WIPOUS®
维普斯

工业自动化领域 | 机器人领域 | 新能源领域

INDUSTRIAL AUTOMATION FIELD | ROBOTICS FIELD | NEW ENERGY FIELD

柔性工业电缆解决方案

Flexible industrial cable solutions





企业简介 CORPORATE PROFILE

江苏乔浦电线电缆有限公司前身上海乔浦电线电缆有限公司，成立于2009年。是一家集研发、生产和销售于一体，为客户提供柔性工业电缆全面解决方案的供应商，现有江苏生产研发及内贸销售中心，上海外贸营销中心。创立“WIPOUS维普斯”、“JSQIAOPU”自有品牌，拥有多项发明专利。荣获“江苏省高新技术企业”、“ 江苏省民营科技企业”等称号。

乔浦线缆注重自我价值和客户体验感，为客户提供柔性工业电缆全方位解决方案；公司注重人才培养和产品创新。公司始终秉承“质量第一、信誉至上、精细管理、优质服务”的企业宗旨，“精心策划、狠抓落实、务实高效”的管理方针，用心做好每一款产品。

公司产品广泛应用于工业自动化、机器人、新能源风电、光伏储能、机械制造、车互联、港口机械、海洋工程、轨道交通等各大领域，获得ISO9001质量管理体系认证、美国UL认证、加拿大CSA/CUL认证、德国VDE认证、德国莱茵TUV认证、美国船级社认证、欧盟CE认证、CCC认证、RoHS和REACH环保认证等权威认证。

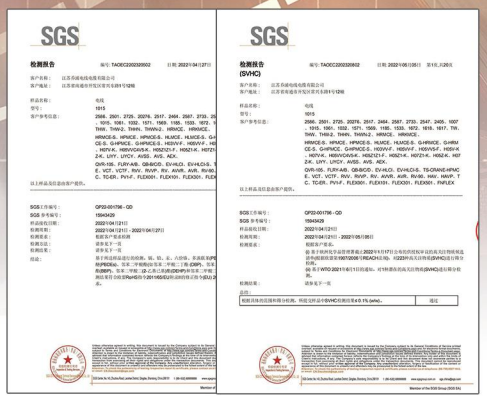


Jiangsu Qiaopu Wire and Cable Co., Ltd., formerly known as Shanghai Qiaopu Wire and Cable Co., Ltd., was founded in 2009. It is a supplier that integrates R&D, production and sales, and provide customers with comprehensive solutions for flexible industrial cables. It now has Jiangsu production R&D and domestic trade sales center, and Shanghai foreign trade marketing center. It has established its own brands of "WIPOUS" and "JSQIAOPU", and has a number of invention patents. Won the titles of "Jiangsu High-tech Enterprise" and "Jiangsu Private Science and Technology Enterprise".

Qiaopu Cable pay attention to self-value and customer experience, and provide customers with comprehensive solutions for flexible industrial cables; The company pay attention to talent cultivation and product innovation. The company has always adhered to the enterprise tenet of "quality first, reputation supreme, fine management, and quality service", and the management policy of "careful planning, strict implementation, and practical and efficient", so as to make every product well.

The company's products are widely used in industrial automation, robotics, new energy wind power, photovoltaic energy storage, machinery manufacturing, vehicle interconnection, port machinery, marine engineering, rail transit and other major fields, and have obtained ISO9001 quality management system certification, American UL certification, Canadian CSA/CUL certification, German VDE certification, German TUV certification, American Bureau of Shipping certification, EU CE certification, CCC certification, RoHS and REACH environmental protection certification and other authoritative certifications.

WIPOUS®
维普斯



未来展望
FUTURE EXPECTATIONS

面对今天，我们努力创造；展望未来，我们满怀信心。

承继着荣耀与梦想，立足于雄厚的根基之上，乔浦线缆将一如既往地凭借规模化、专业化优势，以国际市场为导向，擎起线缆行业响亮品牌，成为智能制造和新能源应用领域电线电缆行业领导者！

Facing today, we strive to create; Looking ahead, we are full of confidence.
Inheriting the glory and dream, and based on the solid foundation, Qiaopu Cable will, as always, rely on the advantages of scale and specialization, take the international market as the guide, build up a strong brand in the cable industry, and become the leader of the wire and cable industry in the field of intelligent manufacturing and new energy manufacturing applications!

三年规划 THREE-YEAR PLAN

· 加大新品研发和先进设备投入
· Increase investment in new product research and development and advanced equipment

· 扩大国际认证
· expand international certification

· 引育专业技术、销售等人才
· Introduce and cultivate professional technology, sales and other talents

五年目标 FIVE-YEAR GOAL

· 成为智能制造和新能源应用领域电线电缆行业领导者。
· Become the leader of wire and cable industry in intelligent manufacturing and new energy applications.





















企业文化 ENTERPRISE CULTURE

企业宗旨
ENTERPRISE PURPOSE

质量第一、信誉至上
精细管理、优质服务

Quality first, reputation supreme,
fine management and quality service

管理方针
MANAGEMENT POLICY

精心策划
狠抓落实
务实高效

Careful planning
implementation
pragmatism and efficiency

质量方针
QUALITY POLICY

用心做好每一款线
严格按照国际标准和国家标准生产

Do a good job of each line and produce
it in strict accordance with international
and national standards

精神关怀
SPIRITUAL CARE

关怀员工的健康发展
鼓励员工自我创新、自我提升

Care for the healthy development of
employees. Encourage employees
to create and improve themselves

ENTERPRISE CULTURE
生产与质量管控





品牌源于品质，精品成就未来。

BRAND BE DERIVED FROM QUALITY
HIGH-QUALITY PRODUCT MAKE THE FUTURE.

乔浦线缆汇集多方优势资源，凭借雄厚经济实力，不断提升生产制造能力。公司引进行业先进的自动化生产设备，为公司扩大市场份额、走向国际化提供永恒的动力。

Qiaopu Cable has gathered many advantageous resources and continuously improved its production and manufacturing capacity by virtue of its strong economic strength. The company has introduced advanced automatic production equipment in the industry, which provides eternal impetus for the company to expand its market share and move towards internationalization.



拖链电缆/机器人电缆实验室

乔浦电缆实验室除有常规电缆实验室检测设备外，还拥有电缆曲绕试验机、电缆弯折试验机、电缆拖链弯曲试验机、电缆垂直扭转试验机、电缆3D扭转试验机等等。确保每一根拖链电缆、机器人电缆都符合德国TUV 2 PfG 2577/07.19标准、美国UL RP 5770标准和中国机器人产业联盟CRIA 003.1-2016标准。

DRAG CHAIN CABLE/ROBOT CABLE LABORATORY

In addition to conventional cable laboratory testing equipment, Qiaopu Cable Laboratory also has cable winding testing machine, cable bending testing machine, cable drag chain bending testing machine, cable vertical torsion testing machine, cable 3D torsion testing machine, and so on. Ensure that each drag chain cable and robot cable comply with the German TUV 2 PfG 2577/07.19 standard, the American UL RP 5770 standard, and the Chinese Robotics Industry Alliance CRIA 003.1-2016 standard.

星绞成缆+100%退扭成揽技术

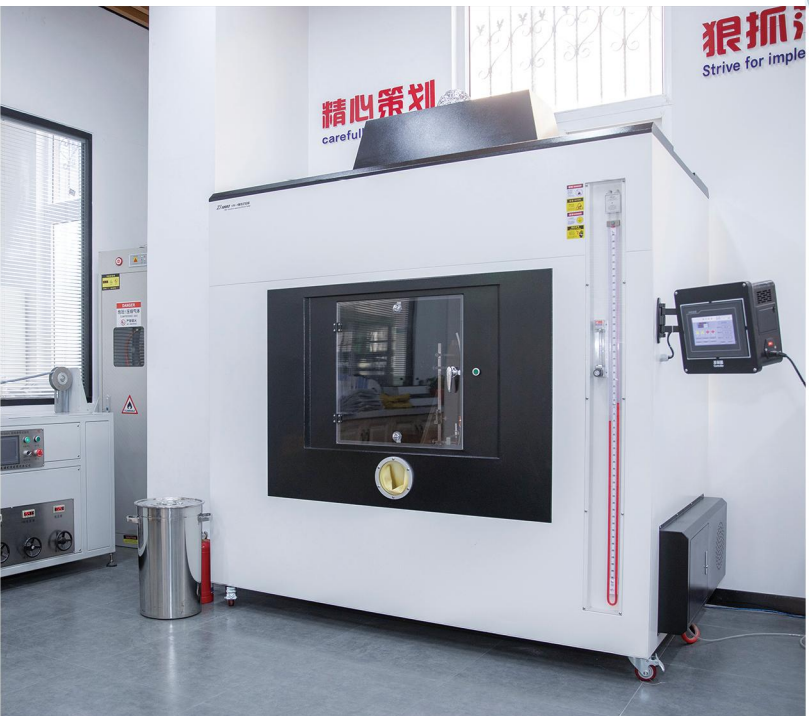
选用先进线缆设备制造商生产的星绞成缆设备和退扭成缆设备，具有0-100%的可调退扭率和预退扭功能，设备采用德国先进迟滞张力装置，能够实现每条芯线恒定张力， 实现缆芯100%退扭绞合，避免出现欠退扭或过退扭现象，保证了电缆生产质量，提高电缆的耐弯扭转性能。

自主研制开发的拖链机器人电缆最高可到5000万次以上耐弯曲测试，2000万次以上抗扭转测试。

CORE FORMING STAR COMBINED CABLE FORMING +100% REMOVE TORQUE CABLING TECHNOLOGY

Core forming star combined cable forming and remove torque cabling technology equipment produced by advanced cable equipment manufacturers are selected, with an adjustable untwist ratio of 0-100% and a pre untwist function. The equipment adopts Germany's advanced hysteresis tension device, which can achieve a constant tension of each core wire, achieve 100% untwisted stranding of the cable core, avoid under or over untwisted phenomena, ensure the production quality of the cable, and improve the bending and torsion resistance of the cable. The independently developed drag chain robot cable can undergo bending resistance tests up to 50 million times and torsion resistance tests up to 20 million times.





电缆阻燃检测设备

随着社会不断进步，工业化进程不断发展。如今对电缆阻燃要求越来越高。乔浦电缆引进先进电缆阻燃检测设备。确保生产电缆符合国际IEC60332-1、IEC60332-3和美国VW-1、FT1、FT4等的阻燃标准。

CABLE FLAME RETARDANT TESTING EQUIPMENT

With the continuous progress of society, the industrialization process continues to develop. Nowadays, the requirements for flame retardant cables are becoming higher and higher. Qiaopu Cable introduces advanced cable flame retardant testing equipment. Ensure that the production cables comply with international IEC60332-1, IEC60332-3, and American VW-1, FT1, FT4, and other flame retardant standards.

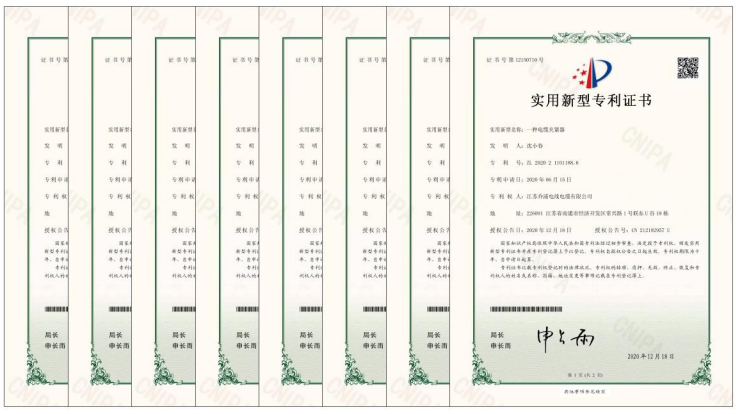

研制领域
DEVELOPMENT FIELD
工业自动化
INDUSTRIAL AUTOMATION
NEW 新能源风电
ENERGY WIND POWER
机器人 ROBOT
港口机械
PORT MACHINERY
车互联
CAR INTERCONNECTION
轨道交通
RAIL TRANSIT
MACHINERY MANUFACTURING
机械制造
OCEANOGRAPHIC ENGINEERING
海洋工程

研发创新 RESEARCH AND DEVELOPMENT INNOVATION

公司视创新为发展的源动力，打造一支拥有多名行业资深高级工程师的专业化人才团队。与UL美华、TUV莱茵、SGS等国际检验机构保持紧密合作，汲取先进的线缆制造技术与经验，不断优化产品种类与性能。目前已研制开发机器人专用电缆、拖链专用电缆、伺服系统专用电缆、特殊工业环境电缆等多种类柔性电缆，实现品种广覆盖、功能全满足的产品链。服务工业自动化、机器人制造、电气控制等多个领域，产品出口全球100多个国家。

The company regards innovation as the source of development and builds a professional talent team with many senior engineers in the industry. Keep close cooperation with UL Meihua, TUV Rhine, SGS and other international inspection institutions, learn advanced cable manufacturing technology and experience, and constantly optimize product types and performance. At present, many kinds of flexible cables have been developed, such as robot cables, drag chain cables, servo system cables, and special industrial environment cables, to achieve a product chain with wide variety coverage and full function. It serves industrial automation, robot manufacturing, electrical control and other fields, and its products are exported to more than 100 countries around the world.







CERTIFICATE OF AUTHORITATIVE ATTESTATION 权威认证



ISO9001国际质量管理体系标准是迄今为止世界上最成熟的一套管理体系和标准，是企业发展和成长之根本。

ISO9001不是指一个标准，而是一类标准的统称，是由TC176（TC176指质量管理体系技术委员会）制定的所有国际标准，是ISO12000多个标准中最畅销、最普遍的产品。

UL|美国保险商实验室

UL是美国保险商实验室（UNDERWRITER LABORATORIES INC.）的简写。UL安全试验所是美国最有权威的，也是世界上从事安全试验和鉴定的较大的民间机构。其自身具有一整套组织管理体制、标准开发和产品认证程序。乔浦线缆有UL758/UL83/UL44/UL1277等多种制作标准，近千种产品拥有UL认证，相应的产品页里面会显示UL标志。

CUL|加拿大市场上流通产品的UL标志

CUL标志是用于在加拿大市场上流通产品的UL标志。具有此种标志的产品已经过检定符合加拿大的安全标准，这些标准与美国的UL引用的标准基本相同。乔浦线缆有CUL758/CUL83/CUL44/CUL1277等多种制作标准，近百种产品拥有CUL认证，相应的产品页里面会显示CUL标志。

VDE|德国电气工程师协会

VDE（ PRUFSTELLE TESTING AND CERTIFICATION INSTITUTE），即德国电气工程师协会。 成立于1920年，是欧洲最有测试经验的试验认证和检查机构之一,是获欧盟授权的CE公告机构及国际CB组织成员。在欧洲和国际上,得到电工产品方面的CENELEC欧洲认证体系、CECC电子元器件质量评定的欧洲协调体系、世界性的IEC电工产品、电子元器件认证体系等的认可。相应的产品页里面会显示VDE标志。

TÜV|德国元器件产品安全认证

TÜV标志是德国TÜV专为元器件产品定制的一个安全认证标志，在德国和欧洲得到广泛的接受。同时，企业可以在申请TÜV标志时，合并申请CB证书，由此通过转换而取得其他国家的证书。而且，在产品通过认证后，德国TÜV会向前来查询合格元器件供应商的整流器机厂推荐这些产品；在整机认证的过程中，凡取得TÜV标志的元器件均可免检。相应的产品页里面会显示TÜV标志。

ABS|美国船级社

船级社是一个建立和维护船舶和离岸设施的建造和操作的相关技术标准的机构。ABS是美国船级社（AMERICAN BUREAU OF SHIPPING）的简写。ABS主要致力于为公共利益和客户需求服务，通过开发和验证海洋相关设施的设计、建造和操作标准，保护人命、财产和自然环境的安全。

CE|欧盟强制性认证

CE认证是欧盟强制性认证，是由欧盟各成员国的专家编制而成。不论是欧盟内部企业生产的产品，还是其他国家生产的产品，要想在欧盟市场上自由流通，就必须加贴“CE”标志，以表明产品符合欧盟《技术协调与标准化新方法》指令的基本要求。这是欧盟法律对产品提出的一种强制性要求。乔浦线缆近千种产品都符合CE认证，相应的产品页里面会显示CE标志。

RoHS|欧盟强制性标准

RoHS是由欧盟立法制定的一项强制性标准，它的全称是《关于限制在电子电气设备中使用某些有害成分的指令》(RESTRICTION OF HAZARDOUS SUBSTANCES)。主要用于规范电子电气产品的材料及工艺标准，使之更加有利于人体健康及环境保护。乔浦的产品不仅符合RoHS2.0标准，还拥有专业的分析仪对原材料及产品进行分析检测，相应的产品页里面会显示RoHS标志。

REACH|欧盟所有化学品进行预防性管理法规

REACH,即REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS，化学品注册、评估、许可和限制。这是欧盟对进入其市场的所有化学品进行预防性管理的法规，于2007年6月1日正式实施。相应的产品页里面会显示REACH标志。

CERTIFICATE OF AUTHORITATIVE ATTESTATION 权威认证



The ISO9001 international quality management system standard is by far the most mature set of management systems and standards in the world, and is the basis of enterprise development and growth. ISO 9001 is not a standard, but a general term for a class of standards. It is all international standards formulated by TC176 (TC176 refers to the technical committee of quality management system), and is the most popular and popular product among more than ISO12000 standards.

UL | UNDERWRITERS LABORATORIES

UL is the abbreviation of UNDERWRITER LABORATORIES INC. UL Safety Testing Institute is the most authoritative organization in the United States and also the largest civil organization engaged in safety testing and identification in the world. It has a complete set of organizational management system, standard development and product certification procedures. Qiaopu cable has a variety of production standards such as UL758/UL83/UL44/UL1277, and nearly 1000 products have UL certification. The corresponding product page will display the UL mark.

CUL | UL MARK OF PRODUCTS IN CIRCULATION ON THE CANADIAN MARKET

The CUL mark is the UL mark for products circulating in the Canadian market. The products with this mark have been verified to meet Canadian safety standards, which are basically the same as the standards cited by UL in the United States. Qiaopu cable has multiple production standards such as CUL758/CUL83/CUL44/CUL1277, and nearly 100 products have CUL certification. The corresponding product page will display the CUL logo.

VDE | GERMAN ASSOCIATION OF ELECTRICAL ENGINEERS

VDE (PRUFSTELLE TESTING AND CERTIFICATION INSTITUTE), the German Institute of Electrical Engineers. Founded in 1920, it is one of the most experienced test certification and inspection institutions in Europe, and is a member of the CE notified body authorized by the European Union and the International CB Organization. In Europe and internationally, it has been recognized by the CENELEC European Certification System for electrical products, the European Harmonized System for the Quality Assessment of CECC Electronic Components, the worldwide IEC electrical products, the electronic components certification system, etc. The VDE logo will be displayed in the corresponding product page.

TÜV | GERMAN COMPONENT PRODUCT SAFETY CERTIFICATION

TüVmark is a safety certification mark specially customized by TüV in Germany for component products, which is widely accepted in Germany and Europe. At the same time, enterprises can apply for the CB certification when applying for the TüV mark, obtain certifications from other countries through conversion. Moreover, after the products have passed the certification, TüV of Germany will go forward to inquire the rectifier manufacturers of qualified component suppliers to recommend these products; In the process of certification of the complete machine, all components with TüV logo can be exempted from inspection. The TüV logo will be displayed in the corresponding product page.

ABS | AMERICAN BUREAU OF SHIPPING

Bureau of Shipping is an organization that establishes and maintains relevant technical standards for the construction and operation of ships and offshore facilities.ABS is the abbreviation of American Bureau of Shipping. ABS is mainly committed to serving the public interest and customer needs, and protecting the safety of human life, property and natural environment by developing and verifying the design, construction and operation standards of ocean-related facilities.

CE CERTIFICATION IS A COMPULSORY CERTIFICATION OF THE EU

CE certification is a compulsory certification of the EU, which is prepared by experts from EU member states. No matter the products produced by enterprises within the EU or by other countries, if they want to circulate freely in the EU market, they must be labeled with "CE" to show that the products comply with the basic requirements of the EU Directive on New Methods for Technical Coordination and Standardization. This is a mandatory requirement of EU laws for products. Nearly a thousand products of Qiaopu cable meet the CE certification, and the CE mark will be displayed in the corresponding product page.

RoHS | EU MANDATORY STANDARD

RoHS is a mandatory standard formulated by European Union legislation. Its full name is "RESTRICTION OF HAZARDOUS SUBSTANCES". It is mainly used to standardize the material and process standards of electronic and electrical products to make them more conducive to human health and environmental protection. Qiaopu's products not only meet the RoHS 2.0 standard, but also have a professional analyzer to analyze and test raw materials and products. The RoHS logo will be displayed on the corresponding product page.

REACH | EU REGULATIONS ON PREVENTIVE MANAGEMENT OF ALL CHEMICALS

REACH, is REGISTRATION, EVALUATION, AUTHORIZATION AND RE-STRICTION OF CHEMICALS, chemical registration, evaluation, licensing and restriction. This is the EU regulation on preventive management of all chemicals entering market, which was formally implemented on June 1, 2007. REACH logo will be displayed in the corresponding product page.

特性图标 CHARACTERISTICS OF ICON



无卤
Halogen-Free



低烟
Low Smoke



动物齿咬
Animal Bite



阻燃
Flame Retardant



耐油
Oil Resistant



T ü V认证
T ü V Certification



耐扭转
Torsion Resistance



柔性电缆
Flexible Cable



耐化学品
Chemical Resistance



耐紫外线
UV Resistance



拖链
Power Drag Chain



耐潮湿
Moisture Resistance



耐酸碱
Acid and Alkali Resistance



CUL758认证
CUL758 Certification



UL785认证
UL785 Certification



耐曲绕
Resistant to Winding



机器人
Robots



VDE认证
VDE Certification



UL认证
UL Certification



CUL认证
CUL Certification


耐磨
Wear Resistance
耐撕裂
Tear Resistance
耐寒
Cold Resistance
防撞
Prevent Collision
承受重量
Bear Load
RoHS认证
RoHS Certification
RoHS
抗干扰
Anti-interference
EMI
耐高温
High Temperature
resistance
CE认证
CE Cable
CE
抗拉
Tensile
耐水解
Hydrolysis Resistance
Reach认证
Reach Certification
Reach
耐微生物分解
Resistance to Microbial
Decomposition
抗开裂
Cracking Resistance
耐盐雾
Resistance Salt Spray
Na
Na
Na
耐弯折
Resistance to Bending
纵向水密
Longitudinal Water Tightness
防水
Waterproof

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PVC 护套柔性数据传输电缆
PVC Sheathed Flexible Data Transmission Cable

LiYY CE 认证 PVC 护套柔性数据电缆 03
LiYY CE certified PVC sheathed flexible data cable

Li2YY CE 认证低电容 PVC 护套柔性数据电缆 05
Li2YY CE certified low capacitance PVC sheathed flexible data cable

LiYY-TP CE 认证 PVC 护套柔性对绞数据电缆 07
LiYY-TP CE certified PVC sheathed flexible twisted pair data cable

AWM 2464 UL/CUL 认证 PVC 护套柔性数据电缆 09
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AWM 2517 UL/CUL 认证耐热型 PVC 护套柔性数据电缆 11
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AWM 2725 UL/CUL 认证 PVC 护套柔性数据电缆，30V 超细外径 13
AWM 2725 UL/CUL certified PVC sheathed flexible data cable, 30V ultra-fine outer diameter

AWM 20276 UL/CUL 认证 PVC 护套柔性数据电缆，30V 超细外径 15
AWM 20276 UL/CUL certified PVC sheathed flexible data cable, 30V, ultra-fine outer diameter

AWM 2405 UL/CUL 认证 PVC 绝缘 PVC 护套柔性数据电缆 17
AWM 2405 UL/CUL certified PVC insulated and PVC sheathed flexible data cable

AWM 2547 UL/CUL 认证 PVC 绝缘 PVC 护套柔性数据电缆 19
AWM 2547 UL/CUL certified PVC insulated and PVC sheathed flexible data cable

PVC 护套柔性屏蔽数据传输电缆
PVC Sheathed Flexible Shield Data Transmission Cable

LiYCY CE 认证 PVC 护套柔性屏蔽数据电缆 21
LiYCY CE certified PVC sheathed flexible shielded data cable

Li2YCY CE 认证低电容 PVC 护套屏蔽柔性数据电缆 23
Li2YCY CE certified low capacitance PVC sheathed shielded flexible data cable

LiYCY-CY CE 认证 PVC 护套柔性屏蔽数据电缆，芯线单独屏蔽 25
LiYCY-CY CE certified PVC sheathed flexible shielded data cable, core wire shielded separately

AWM 2464-S UL/CUL 认证 PVC 护套柔性屏蔽数据电缆 27
AWM 2464-S UL/CUL certified PVC sheathed flexible shielded flexible data cable

AWM 2517-S UL/CUL 认证耐热 PVC 护套柔性屏蔽数据电缆 29
AWM 2517-S UL/CUL certified heat-resistant PVC sheathed flexible shielded flexible data cable

AWM 2725-S UL/CUL 认证 PVC 护套柔性屏蔽数据电缆，30V 超细外径 31
AWM 2725-S UL/CUL certified PVC sheathed flexible shielded data cable, 30V, ultra-fine outer diameter

AWM 20276-S UL/CUL 认证 PVC 护套柔性屏蔽数据电缆，30V 超细外径 33
AWM 20276-S UL/CUL certified PVC sheathed flexible shielded data cable, 30V, ultra-fine outer diameter
AWM 2405-S UL/CUL 认证 PVC 绝缘 PVC 护套柔性屏蔽数据电缆 35
AWM 2405-S UL/CUL certified PVC insulated and PVC sheathed flexible shielded data cable
AWM 2547-S UL/CUL 认证 PVC 绝缘 PVC 护套柔性屏蔽数据电缆 37
AWM 2547-S UL/CUL certified PVC insulated and PVC sheathed flexible shielded data cable

PVC 护套柔性对绞屏蔽数据传输电缆
PVC Sheathed Flexible Twisted Pair Shielded Data Transmission Cable

LiYCY-TP CE 认证 PVC 护套柔性对绞屏蔽数据电缆 39
LiYCY-TP CE certified PVC sheathed flexible twisted pair shielded data cable
Li2YCY-TP CE 认证低电容 PVC 护套对绞屏蔽柔性数据电缆 41
Li2YCY-TP CE certified low capacitance PVC sheathed twisted pair shielded flexible data cable
LiYCY-PIMF CE 认证低电容 PVC 护套柔性对绞分屏 + 总屏数据电缆 43
LiYCY-PIMF CE certified low capacitance PVC sheathed flexible pair split screen + collective screen data cable
AWM 2464-SP UL/CUL 认证 PVC 护套柔性对绞屏蔽数据电缆 45
AWM 2464-SP UL/CUL certified PVC sheathed flexible twisted pair shielded flexible data cable
AWM 2517-SP UL/CUL 认证耐热 PVC 护套柔性对绞屏蔽数据电缆 47
AWM 2517-SP UL/CUL certified heat-resistant PVC sheathed flexible twisted pair shielded flexible data cable
AWM 2725-SP UL/CUL 认证 PVC 护套柔性对绞屏蔽数据电缆，30V 超细外径 49
AWM 2725-SP UL/CUL certified PVC sheathed flexible twisted pair shielded flexible data cable, 30V ultra-fine outer diameter
AWM 20276-SP UL/CUL 认证 PVC 护套柔性对绞屏蔽数据电缆，30V 超细外径 51
AWM 20276-SP UL/CUL certified PVC sheathed flexible twisted pair shielded flexible data cable, 30V ultra-fine outer diameter

低烟无卤数据传输电缆
LSZH Data Transmission Cable

LiHH CE 认证低烟无卤数据传输电缆 53
LiHH CE certified low smoke zero halogen data transmission cable
LiHCH CE 认证低烟无卤屏蔽数据传输电缆 55
LiHCH CE certified low smoke shielded data transmission cable
LiHCH-TP CE 认证低烟无卤对绞屏蔽数据传输电缆 57
LiHCH-TP CE certified low smoke twisted pair shielded data transmission cable

弹性体护套柔性数据传输电缆
Elastomer Sheathed Flexible Data Transmission Cable

PUR-LiY11Y CE 认证 PUR 护套柔性数据电缆 59
PUR-LiY11Y CE certified PUR sheathed flexible data cable
PUR-Li2Y11Y CE 认证低电容 PUR 护套柔性数据电缆 61
PUR-Li2Y11Y CE certified low capacitance PUR sheathed flexible data cable
PUR-LiYC11Y CE 认证 PUR 护套柔性屏蔽数据电缆 63
PUR-LiYC11Y CE Certified PUR Sheathed Flexible Shielded Data Cable
PUR-Li2YC11Y CE 认证低电容 PUR 护套柔性屏蔽数据电缆 65
PUR-Li2YC11Y CE certified low capacitance PUR sheathed flexible shielded data cable
PUR-LiYC11Y-TP CE 认证 PUR 护套柔性对绞屏蔽数据电缆 67
PUR-LiYC11Y-TP CE certified PUR sheathed flexible twisted pair shielded data cable
PUR-Li2YC11Y-TP CE 认证低电容 PUR 护套柔性对绞屏蔽数据电缆 69
PUR-Li2YC11Y-TP CE certified low capacitance PUR sheathed flexible twisted pair shielded data cable

PUR-Li2YC11Y PiMF CE 认证低电容 PUR 护套柔性对绞分屏 + 总屏数据电缆 71
PUR-Li2YC11Y PiMF CE certified low capacitance PUR sheathed flexible pair split screen+collective screen data cable
LiYPV CE 认证 TPV 护套柔性数据电缆 73
LiYPV CE certified TPV sheathed flexible data cable
LiYCPV CE 认证 TPV 护套柔性屏蔽数据电缆 75
LiYCPV CE certified TPV sheathed flexible shielded data cable
LiYCPV-TP CE 认证 TPV 护套柔性对绞屏蔽数据电缆 77
LiYCPV-TP CE certified TPV sheathed flexible shielded data cable
Li2YPV CE 认证低电容 TPV 护套柔性数据电缆 79
Li2YPV CE certified low-capacity TPV sheathed flexible data cable
Li2YCPV CE 认证低电容 TPV 护套柔性屏蔽数据电缆 81
Li2YCPV CE certified low-capacity TPV sheathed flexible shielded data cable
Li2YCPV-TP CE 认证低电容 TPV 护套柔性对绞屏蔽数据电缆 83
Li2YCPV-TP CE certified low-capacity TPV sheathed flexible twisted-pair shielded data cable
AWM 20233 UL/CUL 认证 PUR 护套柔性数据电缆 85
AWM 20233 UL/CUL certified PUR sheathed flexible data cable
AWM 20549 UL/CUL 认证 PUR 护套柔性数据电缆 87
AWM 20549 UL/CUL certified PUR sheathed flexible data cable
AWM 20936 UL/CUL 认证 PUR 护套柔性数据电缆 89
AWM 20936 UL/CUL certified PUR sheathed flexible data cable
AWM 20233-S UL/CUL 认证 PUR 护套柔性屏蔽数据电缆 91
AWM 20233-S UL/CUL certified PUR sheathed flexible shielded data cable
AWM 20549-S UL/CUL 认证 PUR 护套柔性屏蔽数据电缆 93
AWM 20549-S UL/CUL certified PUR sheathed flexible shielded data cable
AWM 20936-S UL/CUL 认证 PUR 护套柔性屏蔽数据电缆 95
AWM 20936-S UL/CUL certified PUR sheathed flexible shielded data cable
AWM 20233-SP UL/CUL 认证 PUR 护套柔性对绞屏蔽数据电缆 97
AWM 20233-SP UL/CUL certified PUR sheathed flexible twisted pair shielded data cable
AWM 20549-SP UL/CUL 认证 PUR 护套柔性对绞屏蔽数据电缆 99
AWM 20549-SP UL/CUL certified PUR sheathed flexible twisted pair shielded data cable
AWM 20936-SP UL/CUL 认证 PUR 护套柔性对绞屏蔽数据电缆 101
AWM 20936-SP UL/CUL certified PUR sheathed flexible twisted pair shielded data cable
AWM 21481 UL/CUL 认证 TPE 护套柔性数据电缆 103
AWM 21481 UL/CUL certified TPE sheathed flexible data cable
AWM 21481-S UL/CUL 认证 TPE 护套柔性屏蔽数据电缆 105
AWM 21481-S UL/CUL certified TPE sheathed flexible shielded data cable
AWM 21481-SP UL/CUL 认证 TPE 护套柔性对绞屏蔽数据电缆 107
AWM 21481-SP UL/CUL certified TPE sheathed flexible twisted pair shielded data cable
AWM 21002 UL/CUL 认证耐热 TPE 护套柔性数据电缆 109
AWM 21002 UL/CUL certified heat-resistant TPE sheathed flexible data cable
AWM 21002-S UL/CUL 认证耐热 TPE 护套柔性屏蔽数据电缆 111
AWM 21002-S UL/CUL certified heat-resistant TPE sheathed flexible shielded data cable
AWM 21002-SP UL/CUL 认证耐热 TPE 护套柔性对绞屏蔽数据电缆 113
AWM 21002-SP UL/CUL certified heat-resistant TPE sheathed flexible twisted pair shielded data cable

300V PVC 柔性电源线

300V PVC Flexible Power Cable

SJT UL/CUL 认证 300V PVC 护套电源线 115
SJT UL/CUL certified 300V PVC sheathed power cable

SJTO UL/CUL 认证 300V 耐油 PVC 护套电源线 117
SJTO UL/CUL certified 300V oil-resistant PVC sheathed power cable
SJTOO UL/CUL 认证 300V 耐油 PVC 绝缘 耐油 PVC 护套电源线 119
SJTOO UL/CUL certified 300V oil-resistant PVC insulated and oil-resistant PVC sheathed power cable
SJTW UL/CUL 认证 300V 防水耐寒抗 UV PVC 护套户外电源线 121
SJTW UL/CUL certified 300V waterproof, cold-resistant and UV-resistant PVC sheathed outdoor power
SJTOW UL/CUL 认证 300V 防水耐油耐寒抗 UV PVC 护套户外电源线 123
SJTOW UL/CUL certified 300V waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable
SJTOOW UL/CUL 认证 300V 耐油 PVC 绝缘 防水耐油耐寒抗 UV PVC 护套户外电源线 125
SJTOOW UL/CUL certified 300V oil-resistant PVC insulated, waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable

300V EPR 橡胶柔性电源线

300V EPR Rubber Flexible Power Cable

SJ UL/CUL 认证 300V EPR 橡胶绝缘 CPE 橡胶护套电源线 127
SJ UL/CUL certified 300V EPR rubber insulated and CPE rubber sheathed power cable
SJO UL/CUL 认证 300V 300V EPR 橡胶绝缘 耐油 CPE 橡胶护套电源线 129
SJO UL/CUL certified 300V EPR rubber insulated and oil-resistant CPE rubber sheathed power cable
SJOO UL/CUL 认证 300V 耐油 EPR 橡胶绝缘 耐油 CPE 橡胶护套电源线 131
SJOO UL/CUL certified 300V oil-resistant EPR rubber insulated and oil-resistant CPE rubber sheathed power cable
SJOW UL/CUL 认证 300V EPR 橡胶绝缘 防水耐油耐寒抗 UV CPE 橡胶护套户外电源线 133
SJOW UL/CUL certified 300V EPR rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant CPE rubber sheathed outdoor power cable
SJOOW UL/CUL 认证 300V 耐油 EPR 橡胶绝缘 防水耐油耐寒抗 UV CPE 橡胶护套户外电源线 135
SJOOW UL/CUL certified 300V oil-resistant EPR rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant CPE rubber sheathed outdoor power cable

DP 总线

DP bus cable

WIPSTRONIC BUS PROFIBUS-DP PVC 护套工业 DP 总线 137
WIPSTRONIC BUS PROFIBUS-DP PVC-sheathed industrial DP bus cable
WIPSTRONIC BUS PROFIBUS-DP-FD PVC 护套柔性工业 DP 总线 139
WIPSTRONIC BUS PROFIBUS-DP-FD PVC-sheathed flexible industrial DP bus cable
WIPSTRONIC BUS PROFIBUS-DP-FD LSZH 低烟无卤护套工业 DP 总线 141
WIPSTRONIC BUS PROFIBUS-DP-FD low smoke zero halogen (LSZH) industrial DP bus cable
WIPSTRONIC BUS CANBUS PVC 护套工业 CANBUS 总线 143
WIPSTRONIC BUS CANBUS PVC-sheathed industrial CANBUS bus cable
WIPSTRONIC BUS CANBUS FD PVC 护套柔性工业 CANBUS 总线 145
WIPSTRONIC BUS CANBUS FD PVC-sheathed flexible industrial CANBUS cable

工业以太网线

Industrial Ethernet cable

WIPSTRONIC CAT5e PVC 护套超五类网线 147
WIPSTRONIC CAT5e PVC-sheathed CAT5e industrial ethernet cable
WIPSTRONIC CAT5e LSHF 低烟无卤护套超五类网线 149
WIPSTRONIC CAT5e LSHF low smoke halogen free (LSHF) sheathed CAT5e cable
WIPSTRONIC CAT6 PVC 护套六类网线 151
WIPSTRONIC CAT6 PVC-sheathed CAT6 cable
WIPSTRONIC CAT6 LSHF 低烟无卤护套六类网线 153
WIPSTRONIC CAT6 LSHF low smoke halogen free (LSHF) sheathed CAT6 cable

WIPSTRONIC CAT6A　PVC 护套超六类网线 …… 155
WIPSTRONIC CAT6A PVC-sheathed CAT6A cable
WIPSTRONIC CAT6A LSHF　低烟无卤护套超六类网线 …… 157
WIPSTRONIC CAT6A LSHF low smoke halogen free (LSHF) sheathed CAT6A cable

B 控制电缆 Control Cable / 159-306

PVC 护套柔性控制电缆
PVC Sheathed Flexible Control Cable

FNFLEX-KY-PVC CE 认证 经济型 PVC 护套柔性控制电缆 …… 161
FNFLEX-KY-PVC CE certified economical PVC sheathed flexible control cable
FNFLEX-KYO-PVC CE 认证 经济型耐油型 PVC 护套柔性控制电缆 …… 163
FNFLEX-KYO-PVC CE certified economical oil resistant PVC sheathed flexible control cable
FNFLEX-KY2-PVC CE 认证 经济型耐热型 PVC 护套柔性控制电缆 …… 165
FNFLEX-KY2-PVC CE certified economical heat-resistant PVC sheathed flexible control cable
H03VV-F CE 认证 300V/300V PVC 护套工业柔性控制电缆 …… 167
H03VV-F CE certified 300V/300V PVC sheathed industrial flexible control cable
H05VV-F CE 认证 标准型 PVC 护套柔性控制电缆 …… 169
H05VV-F CE certified standard PVC sheathed flexible control cable
H05VV5-F CE 认证 标准型耐油型 PVC 护套柔性控制电缆 …… 171
H05VV5-F CE certified standard oil resistant PVC sheathed flexible control cable
H05V2V2-F CE 认证 耐热型 PVC 护套工业柔性控制电缆 …… 173
H05V2V2-F CE certified standard heat-resistant PVC-sheathed industrial flexible control cable
YY 300V/500V PVC 护套工业柔性控制电缆 …… 175
YY 300V/500V PVC sheathed industrial flexible control cable
NYM-J/NYM-O 300V/500V PVC 护套安装控制电缆 …… 177
NYM-J/NYM-O 300V/500V PVC sheathed installation control cable
YSLY 300V/500V 耐油性 PVC 护套柔性控制电缆 …… 179
YSLY 300V/500V oil-resistant PVC sheathed flexible control cable
AWM 2587 UL/CUL 认证 PVC 护套柔性控制电缆 …… 181
AWM 2587 UL/CUL certified PVC sheathed flexible control cable
AWM 2733 UL/CUL 认证耐热型 PVC 护套柔性控制电缆 …… 183
AWM 2733 UL/CUL certified heat-resistant PVC sheathed flexible control cable
AWM 2501 UL/CUL 认证耐热型 PVC 护套柔性控制电缆 …… 185
AWM 2501 UL/CUL certified heat-resistant PVC sheathed flexible control cable
AS/NZS 3191 V-90/5V-90 SAA 认证 PVC 护套柔性控制电缆 …… 187
AS/NZS 3191 V-90/5V-90 SAA certified PVC sheathed flexible control cable
AS NZS 5000.2 V-90/5V-90 SAA 认证 PVC 护套柔性扁平控制电缆 …… 189
AS NZS 5000.2 V-90/5V-90 SAA certified PVC insulated flat sheathed cable
AS NZS 5000.3 V-90/5V-90 SAA 认证 PVC 护套柔性控制电缆 …… 191
AS NZS 5000.3 V-90/5V-90 SAA certified PVC insulated sheathed cable

PVC 护套柔性屏蔽控制电缆
PVC Sheathed Flexible Shield Control Cable

FNFLEX-KCY-PVC CE 认证 PVC 护套柔性屏蔽控制电缆 193
FNFLEX-KCY-PVC CE certified economical PVC sheathed flexible shield control cable
FNFLEX-KYCY-PVC CE 认证 PVC 护套柔性屏蔽控制电缆，双护套 195
FNFLEX-KYCY-PVC CE certified economical PVC sheathed flexible shield control cable, double sheathed
FNFLEX-KCYO-PVC CE 认证 耐油型 PVC 护套柔性屏蔽控制电缆 197
FNFLEX-KCYO-PVC CE certified economical oil resistant PVC sheathed flexible shielded control cable
FNFLEX-KCY2-PVC CE 认证 耐热型 PVC 护套柔性屏蔽控制电缆 199
FNFLEX-KCY2-PVC CE certified economical heat-resistant PVC sheathed flexible shielded control cable
H05VVC4V5-F CE 认证 PVC 护套柔性屏蔽控制电缆，双护套 201
H05VVC4V5-F CE certified standard PVC sheathed flexible shield control cable, double sheathed
CY 300V/500V PVC 护套工业柔性屏蔽控制电缆 203
CY 300V/500V PVC sheathed industrial flexible shielded control cable
(N)YM(St)-J/(N)YM(St)-O 300V/500V PVC 护套安装屏蔽控制电缆 205
(N)YM(St)-J/(N)YM(St)-O 300V/500V PVC sheathed installation shielded control cable
YSLCY 300V/500V 耐油性 PVC 护套工业柔性屏蔽控制电缆 207
YSLCY 300V/500V oil-resistant PVC sheathed industrial flexible shielded control cable
YCY 300V/500V PVC 护套柔性工业屏蔽控制电缆，双护套 209
YCY 300V/500V PVC sheathed flexible industrial shielded control cable, double sheath
YSLWCY 300V/500V 耐油性 PVC 护套柔性屏蔽控制电缆，双护套 211
YSLWCY 300V/500V oil-resistant PVC sheathed flexible shielded control cable, double sheath
AWM 2587-S UL/CUL 认证 PVC 护套柔性屏蔽控制电缆 213
AWM 2587-S UL/CUL certified PVC sheathed flexible shielded control cable
AWM 2501-S UL/CUL 认证耐热型 PVC 护套柔性屏蔽控制电缆 215
AWM 2501-S UL/CUL certified heat-resistant PVC sheathed flexible shield control cable
AS NZS 5000.3 V-90/OS/5V-90 SAA 认证 PVC 护套柔性屏蔽控制电缆 217
AS NZS 5000.3 V-90/OS/5V-90 SAA certified PVC insulated shielded sheathed cable

低烟无卤控制电缆

Low Smoke Zero Halogen Control Cable

HFFR-HLKMCE CE 认证经济型低烟无卤护套控制电缆 219
HFFR-HLKMCE CE certified economical low smoke halogen-free sheathed control cable
HFFR-HLKMCE-125 CE 认证 耐热 125℃型 低烟无卤护套控制电缆 221
HFFR-HLKMCE-125 CE certified economical heat-resistant low smoke halogen-free sheathed control cable
HFFR-HLKMCE-150 CE 认证 耐热 150℃型 低烟无卤护套控制电缆 223
HFFR-HLKMCE-150 CE certified heat-resistant 150℃ type, low smoke and halogen-free sheathed control cable
H03Z1Z1-F CE 认证 低烟无卤护套控制电缆 300V/300V 225
H03Z1Z1-F CE certified low smoke zero halogen insulated sheath 300/300V
H05Z1Z1-F CE 认证标准型低烟无卤护套控制电缆 300V/500V 227
H05Z1Z1-F CE certified low smoke zero halogen sheathed control cable 300V/500V
H07Z1Z1-F CE 认证标准型低烟无卤护套控制电缆 300V/500V 229
H07Z1Z1-F CE certified standard low smoke halogen-free sheathed control cable
YY LSZH 低烟无卤护套工业柔性控制电缆 300V/500V 231
YY LSZH low smoke and halogen-free sheathed industrial flexible control cable, 300V/500V
CY LSZH 低烟无卤护套工业屏蔽控制电缆 300V/500V 233
CY LSZH low smoke and halogen-free sheathed industrial shielded control cable, 300V/500V
NHXMH 低烟无卤护套安装控制电缆 300V/500V 235
NHXMH low smoke and halogen-free sheathed installation control cable, 300V/500V
NHXMH(St) 低烟无卤护套安装屏蔽控制电缆 300V/500V 237
NHXMH(St) low smoke and halogen-free sheathed installation shielded control cable, 300V/500V

HFFR-HLKMCE-S CE 认证 低烟无卤护套屏蔽控制电缆 239
HFFR-HLKMCE-S CE certified economical low smoke halogen-free sheathed shielded control cable

HFFR-HLKMCE-S-125 CE 认证 耐热 125℃型 低烟无卤护套屏蔽控制电缆 241
HFFR-HLKMCE-S-125 CE certified economical heat-resistant low smoke halogen-free sheathed control cable

HFFR-HLKMCE-S-150 CE 认证 耐热 150℃型 低烟无卤护套屏蔽控制电缆 243
HFFR-HLKMCE-S-150 CE certified heat-resistant 150°C type, low smoke and halogen-free sheathed control cable

A05Z1C4Z1-F CE 认证 低烟无卤护套屏蔽控制电缆 300/500V 245
A05Z1C4Z1-F CE certified low smoke zero halogen sheathed shielded control cable 300V/500V

弹性体护套柔性控制电缆
Halogen Free Elastomer Sheathed Flexible Control Cable

FNFLEX-KP-PUR CE 认证 PUR 护套柔性控制电缆 247
FNFLEX-KP-PUR CE certified PUR sheathed flexible control cable

FNFLEX-KCP-PUR CE 认证 PUR 护套柔性屏蔽控制电缆 249
FNFLEX-KCP-PUR CE certified PUR sheathed flexible shielded control cable

FNFLEX-KP-TPE CE 认证 TPE 护套柔性控制电缆 251
FNFLEX-KP-TPE CE certified TPE sheathed flexible control cable

FNFLEX-KCP-TPE CE 认证 TPE 护套柔性屏蔽控制电缆 253
FNFLEX-KCP-TPE CE certified TPE sheathed flexible control cable

FNFLEX-KP-TPV CE 认证 TPV 护套柔性控制电缆 255
FNFLEX-KP-TPV CE certified TPV sheathed flexible control cable

FNFLEX-KCP-TPV CE 认证 TPV 护套柔性屏蔽控制电缆 257
FNFLEX-KCP-TPV CE certified TPV sheathed flexible shielded control cable

H05BQ-F CE 认证 EPR 绝缘 PUR 护套柔性控制电缆 300V/500V 259
H05BQ-F CE certified EPR insulated and PUR sheathed flexible control cable, 300V/500V

H07BQ-F CE 认证 EPR 绝缘 PUR 护套柔性控制电缆 450V/750V 261
H07BQ-F CE certified EPR insulated and PUR sheathed flexible control cable, 450/750V

AWM 20234 UL/CUL 认证 PUR 护套柔性控制电缆 263
AWM 20234 UL/CUL certified PUR sheathed flexible control cable

AWM 20940 UL/CUL 认证 PUR 护套柔性控制电缆 265
AWM 20940 UL/CUL certified PUR sheathed flexible control cable

AWM 20234-S UL/CUL 认证 PUR 护套柔性屏蔽控制电缆 267
AWM 20234-S UL/CUL certified PUR sheathed flexible shielded control cable

AWM 20940-S UL/CUL 认证 PUR 护套柔性屏蔽控制电缆 269
AWM 20940-S UL/CUL certified PUR sheathed flexible shielded control cable

AWM 22187 UL/CUL 认证 TPE 护套柔性控制电缆 271
AWM 22187 UL/CUL certified TPE sheathed flexible control cable

AWM 22187-S UL/CUL 认证 TPE 护套柔性屏蔽控制电缆 273
AWM 22187-S UL/CUL certified TPE sheathed flexible shielded control cable

AWM 21270 UL/CUL 认证耐热型 TPE 护套柔性控制电缆 275
AWM 21270 UL/CUL certified heat-resistant TPE sheathed flexible control cable

AWM 21270-S UL/CUL 认证耐热型 TPE 护套柔性屏蔽控制电缆 277
AWM 21270-S UL/CUL certified heat-resistant TPE sheathed flexible shielded control cable

600V PVC 柔性电源线
600V PVC Flexible Power Cable

ST UL/CUL 认证 600V PVC 护套电源线 279
ST UL/CUL certified 600V PVC sheathed power cable

STO UL/CUL 认证 600V 耐油 PVC 护套电源线 281
STO UL/CUL certified 600V oil-resistant PVC sheathed power cable

STOO UL/CUL 认证 600V 耐油 PVC 绝缘 耐油 PVC 护套电源线 283
STOO UL/CUL certified 600V oil-resistant PVC insulated and oil-resistant PVC sheathed power cable

STW UL/CUL 认证 600V 防水耐寒抗 UV PVC 护套户外电源线 285
STW UL/CUL certified 600V waterproof, cold-resistant and UV-resistant PVC sheathed outdoor power cable

STOW UL/CUL 认证 600V 防水耐油耐寒抗 UV PVC 护套户外电源线 287
STOW UL/CUL certified 600V waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable

STOOW UL/CUL 认证 600V 耐油 PVC 绝缘 防水耐油耐寒抗 UV PVC 护套户外电源线 289
STOOW UL/CUL certified 600V oil-resistant PVC insulated, waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable

600V EPR 橡胶柔性电源线
600V EPR Rubber Flexible Power Cable

S UL/CUL 认证 600V EP 橡胶绝缘 EPR 橡胶护套电源线 291
S UL/CUL certified 600V EP rubber insulated and EPR rubber sheathed power cable

SO UL/CUL 认证 600V EP 橡胶绝缘 耐油 EPR 橡胶护套电源线 293
SO UL/CUL certified 600V EP rubber insulated and oil-resistant EPR rubber sheathed power cable

SOO UL/CUL 认证 600V 耐油 EP 橡胶绝缘 耐油 EPR 橡胶护套电源线 295
SOO UL/CUL certified 600V oil-resistant EP rubber insulated and oil-resistant EPR rubber sheathed power cable

SOW UL/CUL 认证 600V EP 橡胶绝缘 防水耐油耐寒抗 UV EPR 橡胶护套户外电源线 297
SOW UL/CUL certified 600V EP rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant EPR rubber sheathed outdoor power cable

SOOW UL/CUL 认证 600V 耐油 EP 橡胶绝缘 防水耐油耐寒抗 UV EPR 橡胶护套户外电源线 299
SOOW UL/CUL certified 600V oil-resistant EP rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant EPR rubber sheathed outdoor power cable

H05RR-F CE 认证 EI4 橡胶绝缘 EM3 橡胶护套控制电缆 300/500V 301
H05RR-F CE certified EI4 rubber insulated and EM3 rubber sheathed control cable, 300/500V

H05RN-F CE 认证 EI4 橡胶绝缘 EM2 橡胶护套控制电缆 300/500V 303
H05RN-F CE certified EI4 rubber insulated and EM2 rubber sheathed control cable, 300/500V

H07RN-F CE 认证 EI4 橡胶绝缘 EM2 橡胶护套控制电缆 450/750V 305
H07RN-F CE certified EI4 rubber insulated and EM2 rubber sheathed control cable, 450/750V

C 动力电缆 Power Cable / 307-428

PVC 护套柔性动力电缆
PVC Sheathed Flexible Power Cable

FNFLEX-JY-PVC CE 认证 PVC 护套柔性动力电缆 309
FNFLEX-JY-PVC CE certified PVC sheathed flexible power cable

NYY-J/NYY-O CE 认证 PVC 绝缘 PVC 护套安装动力电缆 311
NYY-J/NYY-O CE certified standard PVC insulated PVC sheathed power cable

N2XY CE 认证 XLPE 绝缘 PVC 护套安装动力电缆 313
N2XY CE certified standard XLPE insulated PVC sheathed power cable

CU/PVC/PVC/STA/PVC CE 认证 PVC 绝缘 PVC 内外护套钢带铠装安装动力电缆 315
CU/PVC/PVC/STA/PVC CE certified PVC insulated, PVC inner and outer sheathed, steel tape armoured installation power cable

CU/PVC/PVC/SWA/PVC CE 认证 PVC 绝缘 PVC 内外护套钢丝铠装安装动力电缆 317
CU/PVC/PVC/SWA/PVC CE certified PVC insulated, PVC inner and outer sheathed, steel wire armoured installation power cable

CU/XLPE/PVC/STA/PVC CE 认证 XLPE 绝缘 PVC 内外护套钢带铠装安装动力电缆 319
CU/XLPE/PVC/STA/PVC CE certified XLPE insulated, PVC inner and outer sheathed, steel tape armoured installation power cable
CU/XLPE/PVC/SWA/PVC CE 认证 XLPE 绝缘 PVC 内外护套钢丝铠装安装动力电缆 321
CU/XLPE/PVC/SWA/PVC CE certified XLPE insulated, PVC inner and outer sheathed, steel wire armoured installation power cable
AWM 2570 UL/CUL 认证 PVC 护套柔性动力电缆 323
AWM 2570 UL/CUL certified PVC sheathed flexible power cable
AWM 2586 UL/CUL 认证耐热 PVC 护套柔性动力电缆 325
AWM 2586 UL/CUL certified heat-resistant PVC sheathed flexible power cable
CU/PVC/PVC CB 认证 PVC 绝缘 PVC 护套柔性动力电缆 327
CU/PVC/PVC CU/PVC/PVC CB certified PVC insulated PVC sheathed flexible power cable
AS/NZS 5000.1 V-90/5V-90 SAA 认证 PVC 绝缘 PVC 护套柔性动力电缆 329
AS/NZS 5000.1 V-90/5V-90 SAA Certified PVC Insulated PVC Sheathed Flexible Power Cable
AS/NZS 5000.1 X-90/5V-90 SAA 认证 XLPE 绝缘 PVC 护套柔性动力电缆 333
AS/NZS 5000.1 X-90/5V-90 SAA Certified XLPE Insulated PVC Sheathed Flexible Power Cable
AS/NZS 5000.1 V-90/5V-90 GSWA SAA 认证 PVC 绝缘 PVC 内外护套钢丝铠装安装动力电缆 337
AS/NZS 5000.1 V-90/5V-90 GSWA SAA Certified PVC Insulated PVC Inner and Outer Sheathed Steel Wire Armoured Installation Power Cable
AS/NZS 5000.1 X-90/5V-90 GSWA SAA 认证 XLPE 绝缘 PVC 内外护套钢丝铠装安装动力电缆 341
AS/NZS 5000.1 X-90/5V-90 GSWA SAA Certified XLPE Insulated PVC Inner and Outer Sheathed Steel Wire Armoured Installation Power Cable

PVC 护套柔性屏蔽动力电缆
PVC sheathed flexible shielded power cable

FNFLEX-JCY-PVC CE 认证 PVC 护套柔性屏蔽动力电缆 345
FNFLEX-JCY-PVC CE certified PVC sheathed flexible shielded power cable
NYCY CE 认证 PVC 护套安装屏蔽动力电缆 347
NYCY CE certified PVC sheathed installation shielded power cable
VFD-HRJMCE-S CE 认证双屏蔽变频电机专用电缆 349
VFD-HRJMCE-S CE certified double shield variable frequency motor special cable
N2XCY CE 认证 XLPE 绝缘 PVC 护套屏蔽安装动力电缆 351
N2XCY CE certified XLPE insulated, PVC sheathed shielded installation power cable
CU/PVC/OS/PVC/STA/PVC CE 认证 PVC 绝缘 PVC 内外护套屏蔽钢带铠装安装动力电缆 353
CU/PVC/OS/PVC/STA/PVC CE certified PVC insulated, PVC inner and outer sheathed, shielded, steel tape armoured installation power cable
CU/PVC/OS/PVC/SWA/PVC CE 认证 PVC 绝缘 PVC 内外护套屏蔽钢丝铠装安装动力电缆 355
CU/PVC/OS/PVC/SWA/PVC CE certified PVC insulated, PVC inner and outer sheathed, shielded, steel wire armoured installation power cable
CU/XLPE/OS/PVC/STA/PVC CE 认证 XLPE 绝缘 PVC 内外护套屏蔽钢带铠装安装动力电缆 357
CU/XLPE/OS/PVC/STA/PVC CE certified XLPE insulated, PVC inner and outer sheathed, shielded, steel tape armoured installation power cable
CU/XLPE/OS/PVC/SWA/PVC CE 认证 XLPE 绝缘 PVC 内外护套屏蔽钢丝铠装安装动力电缆 359
CU/XLPE/OS/PVC/SWA/PVC CE certified XLPE insulated, PVC inner and outer sheathed, shielded, steel wire armoured installation power cable
AWM 2570-S UL/CUL 认证 PVC 护套柔性屏蔽动力电缆 361
AWM 2570-S UL/CUL certified PVC sheathed flexible shielded power cable
AWM 2586-S UL/CUL 认证耐热 PVC 护套柔性屏蔽动力电缆 363
AWM 2586-S UL/CUL certified heat-resistant PVC sheathed flexible shielded power cable
AS/NZS 5000.1 V-90/OS/5V-90 SAA 认证 PVC 绝缘 PVC 护套柔性屏蔽动力电缆 365
AS/NZS 5000.1 V-90/OS/5V-90 SAA certified PVC insulated PVC sheathed flexible shielded power cable
AS/NZS 5000.1 X-90/OS/5V-90 SAA 认证 XLPE 绝缘 PVC 护套柔性屏蔽动力电缆 369
AS/NZS 5000.1 X-90/OS/5V-90 SAA certified XLPE insulated PVC sheathed flexible shielded power cable
AS/NZS 5000.1 V-90/OS/5V-90/GSWA SAA 认证 PVC 绝缘 PVC 内外护套钢丝铠装屏蔽安装动力电缆 373
AS/NZS 5000.1 V-90/OS/5V-90/GSWA SAA certified PVC insulated PVC inner and outer sheathed steel wire armoured shielded installation power cable
AS/NZS 5000.1 V-90/OS/5V-90/GSWA SAA 认证 XLPE 绝缘 PVC 内外护套钢丝铠装屏蔽安装动力电缆 377
AS/NZS 5000.1 V-90/OS/5V-90/GSWA SAA certified XLPE insulated PVC inner and outer sheathed steel wire armoured shielded installation power cable

低烟无卤动力电缆
Low Smoke Halogen-Free Power Cable

N2XH CE 认证 低烟无卤护套 安装动力电缆 381
N2XH CE certified low smoke halogen-free sheathed installation power cable

N2XCH CE 认证 低烟无卤护套 屏蔽安装动力电缆 383
N2XCH CE certified low smoke halogen-free sheathed shielded installation power cable

CU/XLPE/LSHF/STA/LSHF CE 认证 XLPE 绝缘 LSHF 内外护套钢带铠装安装动力电缆 385
CU/XLPE/LSHF/STA/LSHF CE certified XLPE insulated, LSHF inner and outer sheathed, steel tape armoured installation power cable

CU/XLPE/LSHF/SWA/LSHF CE 认证 XLPE 绝缘 LSHF 内外护套钢丝铠装安装动力电缆 387
CU/XLPE/LSHF/SWA/LSHF CE certified XLPE insulated, LSHF inner and outer sheathed, steel wire armoured installation power cable

CU/XLPE/OS/LSHF/STA/LSHF CE 认证 XLPE 绝缘 LSHF 内外护套钢带铠装屏蔽安装动力电缆 389
CU/XLPE/OS/LSHF/STA/LSHF CE certified XLPE insulated, LSHF inner and outer sheathed, steel tape armoured, shielded installation power cable

CU/XLPE/OS/LSHF/SWA/LSHF CE 认证 XLPE 绝缘 LSHF 内外护套钢丝铠装屏蔽安装动力电缆 391
CU/XLPE/OS/LSHF/SWA/LSHF CE certified XLPE insulated, LSHF inner and outer sheathed, steel wire armoured, shielded installation power cable

AS/NZS 5000.1 X-90/5V-90 SAA 认证 XLPE 绝缘 XLPE 护套动力电缆 393
AS/NZS 5000.1 X-90/5V-90 SAA certified XLPE insulated and XLPE sheathed power cable

AS/NZS 5000.1 X-90/OS/5V-90 SAA 认证 XLPE 绝缘 XLPE 护套屏蔽动力电缆 397
AS/NZS 5000.1 X-90/OS/5V-90 SAA certified XLPE insulated and XLPE sheathed shielded power cable

弹性体护套柔性动力电缆
Elastomeric Sheath Flexible Power Cable

FNFLEX-JP-PUR CE 认证 PUR 护套柔性动力电缆 401
FNFLEX-JP-PUR CE certified PUR sheathed flexible power cable

FNFLEX-JCP-PUR CE 认证 PUR 护套柔性屏蔽动力电缆 403
FNFLEX-JCP-PUR CE certified PUR sheathed flexible shielded power cable

FNFLEX-JP-TPE CE 认证 TPE 护套柔性动力电缆 405
FNFLEX-JP-TPE CE certified TPE sheathed flexible power cable

FNFLEX-JCP-TPE CE 认证 TPE 护套柔性屏蔽动力电缆 407
FNFLEX-JCP-TPE CE certified TPE sheathed flexible shielded power cable

FNFLEX-JP-TPV CE 认证 TPV 护套柔性动力电缆 409
FNFLEX-JP-TPV CE certified TPV sheathed flexible power cable

FNFLEX-JCP-TPV CE 认证 TPV 护套柔性屏蔽动力电缆 411
FNFLEX-JCP-TPV CE certified TPV sheathed flexible shielded power cable

AWM 20234 UL/CUL 认证 PUR 护套柔性动力电缆 413
AWM 20234 UL/CUL certified PUR sheathed flexible power cable

AWM 20940 UL/CUL 认证 PUR 护套柔性动力电缆 415
AWM 20940 UL/CUL certified PUR sheathed flexible power cable

AWM 20234-S UL/CUL 认证 PUR 护套柔性屏蔽动力电缆 417
AWM 20234-S UL/CUL certified PUR sheathed flexible shielded power cable

AWM 20940-S UL/CUL 认证 PUR 护套柔性屏蔽动力电缆 419
AWM 20940-S UL/CUL certified PUR sheathed flexible shielded power cable

AWM 22188 UL/CUL 认证 TPE 护套柔性动力电缆 421
AWM 22188 UL/CUL certified TPE sheathed flexible power cable

AWM 22188-S UL/CUL 认证 TPE 护套柔性屏蔽动力电缆 423
AWM 22188-S UL/CUL certified TPE sheathed flexible shielded power cable

AWM 22008 UL/CUL 认证 耐热 TPE 护套柔性动力电缆 425
AWM 22008 UL/CUL certified heat-resistant TPE sheathed flexible power cable

AWM 22008-S UL/CUL 认证 耐热 TPE 护套柔性屏蔽动力电缆 427
AWM 22008-S UL/CUL certified heat-resistant TPE sheathed flexible shielded power cable

D 拖链专用电缆
Special Cable For Drag Chain / 429-478

中速柔性拖链电缆系列
Medium Speed Flexible Drag Chain Cable Series

FLEX001-Y-PVC 中速 PVC 护套柔性拖链专用数据电缆 431
FLEX001-Y-PVC medium speed PVC sheathed flexible drag chain special data cable

FLEX001-CY-PVC 中速 PVC 护套柔性拖链专用屏蔽数据电缆 433
FLEX001-CY-PVC medium speed PVC sheathed flexible drag chain special shielded data cable

FLEX001-CY-TP-PVC 中速 PVC 护套柔性拖链专用对绞屏蔽数据电缆 435
FLEX001-CY-TP-PVC medium speed PVC sheathed flexible drag chain special twisted pair shielded data cable

FLEX001-KY-PVC 中速 PVC 护套柔性拖链专用控制电缆 437
FLEX001-KY-PVC medium speed PVC sheathed flexible drag chain special control cable

FLEX001-KCY-PVC 中速 PVC 护套柔性拖链专用屏蔽控制电缆 439
FLEX001-KCY-PVC medium speed PVC sheathed flexible drag chain special shielded control cable

FLEX001-JY-PVC 中速 PVC 护套柔性拖链专用动力电缆 441
FLEX001-JY-PVC medium speed PVC sheathed flexible drag chain special power cable

FLEX001-JCY-PVC 中速 PVC 护套柔性拖链专用屏蔽动力电缆 443
FLEX001-JCY-PVC medium speed PVC sheathed flexible drag chain special shielded power cable

FLEX001-P-PUR 中速 PUR 护套柔性拖链专用数据电缆 445
FLEX001-P-PUR medium speed PUR sheathed flexible drag chain special data cable

FLEX001-CP-PUR 中速 PUR 护套柔性拖链专用屏蔽数据电缆 447
FLEX001-CP-PUR medium speed PUR sheathed flexible drag chain special shielded data cable

FLEX001-CP-TP-PUR 中速 PUR 护套柔性拖链专用对绞屏蔽数据电缆 449
FLEX001-CP-TP-PUR medium speed PUR sheathed flexible drag chain special twisted pair shielded data cable

FLEX001-KP-PUR 中速 PUR 护套柔性拖链专用控制电缆 451
FLEX001-KP-PUR medium speed PUR sheathed flexible drag chain special control cable

FLEX001-KCP-PUR 中速 PUR 护套柔性拖链专用屏蔽控制电缆 453
FLEX001-KCP-PUR medium speed PUR sheathed flexible drag chain special shielded control cable

FLEX001-JP-PUR 中速 PUR 护套柔性拖链专用动力电缆 455
FLEX001-JP-PUR medium speed PUR sheathed flexible drag chain special power cable

FLEX001-JCP-PUR 中速 PUR 护套柔性拖链专用屏蔽动力电缆 457
FLEX001-JCP-PUR medium speed PUR sheathed flexible drag chain special shielded power cable

高速柔性拖链专用电缆系列
High Speed Flexible Drag Chain Cable Series

FLEX101-Y-PVC 高速 PVC 护套柔性拖链专用数据电缆 459
FLEX101-Y-PVC high speed PVC sheathed flexible drag chain special data cable

FLEX101-CY-PVC 高速 PVC 护套柔性拖链专用屏蔽数据电缆 461
FLEX101-CY-PVC high speed PVC sheathed flexible drag chain special shielded data cable

FLEX101-KY-PVC 高速 PVC 护套柔性拖链专用控制电缆 463
FLEX101-KY-PVC high speed PVC sheathed flexible drag chain special control cable

FLEX101-KCY-PVC 高速 PVC 护套柔性拖链专用屏蔽控制电缆 465
FLEX101-KCY-PVC high speed PVC sheathed flexible drag chain special shielded control cable

FLEX101-JY-PVC 高速 PVC 护套柔性拖链专用动力电缆 467
FLEX101-JY-PVC high speed PVC sheathed flexible drag chain special power cable

FLEX101-JCY-PVC 高速 PVC 护套柔性拖链专用屏蔽动力电缆 469
FLEX101-JCY-PVC high speed PVC sheathed flexible drag chain special shielded power cable
FLEX101-KP-PUR 高速 PUR 护套柔性拖链专用控制电缆 471
FLEX101-KP-PUR high speed PUR sheathed flexible drag chain special control cable
FLEX101-KCP-PUR 高速 PUR 护套柔性拖链专用屏蔽控制电缆 473
FLEX101-KCP-PUR high speed PUR sheathed flexible drag chain special shielded control cable
FLEX101-JP-PUR 高速 PUR 护套柔性拖链专用动力电缆 475
FLEX101-JP-PUR high speed PUR sheathed flexible drag chain special power cable
FLEX101-JCP-PUR 高速 PUR 护套柔性拖链专用屏蔽动力电缆 477
FLEX101-JCP-PUR high speed PUR sheathed flexible drag chain special shielded power cable

E 特殊环境用拖链电缆 Drag Chain Cable For Special Environment / 479-494

机器人专用电缆 Robot Special Cable

FLEX501-P-PUR 高端型 PUR 护套机器人专用数据电缆 481
FLEX501-P-PUR high-end PUR sheathed robot special data cable
FLEX501-CP-PUR 高端型 PUR 护套机器人专用屏蔽数据电缆 483
FLEX501-CP-PUR high-end PUR sheathed robot special shielded data cable
FLEX501-CP-TP-PUR 高端型 PUR 护套机器人专用屏蔽对绞数据电缆 485
FLEX501-CP-TP-PUR high-end PUR sheathed robot special shielded twisted pair data cable
FLEX501-KP-PUR 高端型 PUR 护套机器人专用控制电缆 487
FLEX501-KP-PUR high-end PUR sheathed robot special control cable
FLEX501-KCP-PUR 高端型 PUR 护套机器人专用屏蔽控制电缆 489
FLEX501-KCP-PUR high-end PUR sheathed robot special shielded control cable

耐寒专用拖链电缆 Cold Resistant Special Drag Chain Cable

FLEX101-KP-TPE TPE 护套耐寒专用拖链控制电缆 491
FLEX101-KP-TPE TPE sheathed cold resistant special drag chain control cable
FLEX101-KCP-TPE TPE 护套耐寒专用屏蔽拖链控制电缆 493
FLEX101-KCP-TPE TPE sheathed cold resistant special shielded drag chain control cable

F 伺服系统专用电机电缆、反馈电缆 Servo System Special Motor Cable and Feedback Cable / 495-538

伺服系统电机专用电缆 Servo System Motor Special Cable

SERVO-HRJMCE CE 认证 PVC 护套柔性伺服电机专用电缆 497
SERVO-HRJMCE CE certified PVC sheathed flexible servo motor special cable

SERVO-HRJMCE-S CE 认证 PVC 护套柔性伺服电机专用屏蔽电缆 499
SERVO-HRJMCE-S CE certified PVC sheathed flexible servo motor special shielded cable
SERVO-PUR-HPJMCE CE 认证 PUR 护套柔性伺服电机专用电缆 501
SERVO-PUR-HRJMCE CE certified PUR sheathed flexible servo motor special cable
SERVO-PUR-HPJMCE-S CE 认证 PUR 护套柔性伺服电机专用屏蔽电缆 503
SERVO-PUR-HPJMCE-S CE certified PUR sheathed flexible servo motor special shielded cable
FLEX001-SERVO-HRJMCE CE 认证 PVC 护套（拖链专用）伺服电机电缆 505
FLEX001-SERVO-HRJMCE CE certified PVC sheathed (for drag chain) servo motor cable
FLEX001-SERVO-HRJMCE-S CE 认证 PVC 护套（拖链专用）伺服电机屏蔽电缆 507
FLEX001-SERVO-HRJMCE-S CE certified PVC sheathed (for drag chain) servo motor shield cable
FLEX001-SERVO-PUR-HPJMCE CE 认证 PUR 护套（拖链专用）伺服电机电缆 509
FLEX001-SERVO-PUR-HPJMCE CE certified PUR sheath (for drag chain) servo motor cable
FLEX001-SERVO-PUR-HPJMCE-S CE 认证 PUR 护套（拖链专用）伺服电机屏蔽电缆 511
FLEX001-SERVO-PUR-HPJMCE-S CE certified PUR sheath (for drag chain) servo motor shielded cable
AWM 2570 SERVO UL/CUL 认证 PVC 护套柔性伺服电机电缆 513
AWM 2570 SERVO UL/CUL certified PVC sheathed flexible servo motor cable
AWM 2570-S SERVO UL/CUL 认证 PVC 护套柔性伺服电机屏蔽电缆 515
AWM 2570-S SERVO UL/CUL certified PVC sheathed flexible servo motor shield cable
AWM 2586 SERVO UL/CUL 认证 PVC 护套柔性伺服电机电缆 517
AWM 2586 SERVO UL/CUL certified PVC sheathed flexible servo motor cable
AWM 2586-S SERVO UL/CUL 认证 PVC 护套柔性伺服电机屏蔽电缆 519
AWM 2586-S SERVO UL/CUL certified PVC sheathed flexible shielded servo motor cable
AWM 20234 SERVO UL/CUL 认证 PUR 护套柔性伺服电机电缆 521
AWM 20234 SERVO UL/CUL certified PUR sheathed flexible servo motor cable
AWM 20234-S SERVO UL/CUL 认证 PUR 护套柔性伺服电机屏蔽电缆 523
AWM 20234-S SERVO UL/CUL certified PUR sheathed flexible shielded servo motor cable
AWM 20940 SERVO UL/CUL 认证 PUR 护套柔性伺服电机电缆 525
AWM 20940 SERVO UL/CUL certified PUR sheathed flexible servo motor cable
AWM 20940-S SERVO UL/CUL 认证 PUR 护套柔性伺服电机屏蔽电缆 527
AWM 20940-S UL/CUL certified PUR sheathed flexible servo motor shielded cable

伺服系统编码器反馈专用电缆
Servo System Encoder Feedback Special Cable

SERVO-HRMCE-SP Encoder CE 认证 PVC 护套柔性伺服编码器反馈专用对绞屏蔽电缆 529
SERVO-HRMCE-SP Encoder CE certified PVC sheathed flexible servo encoder feedback special twisted shielded cable
SERVO-HPMCE-SP Encoder CE 认证 PUR 护套柔性伺服编码器反馈专用对绞屏蔽电缆 531
SERVO-HPMCE-SP Encoder CE certified PUR sheathed flexible servo encoder feedback special twisted shielded cable

伺服系统测温传感器专用电缆
Temperature Sensor of Servo System Special Cable

SERVO-HRMCE Sensor CE 认证 PVC 护套柔性伺服传感器专用电缆 533
SERVO-HRMCE Sensor CE certified PVC sheathed flexible servo sensor special cable
SERVO-HPMCE Sensor CE 认证 PUR 护套柔性伺服传感器专用电缆 535
SERVO-HPMCE Sensor CE certified PUR sheathed flexible servo sensor special cable
SERVO-HLMCE Sensor CE 认证 无卤柔性伺服传感器专用电缆 537
SERVO-HLMCE Sensor CE certified halogen-free flexible servo sensor special cable

G 新能源电缆 New Energy Cable / 539-598

TW/THW/THW-2/THHW UL83 认证工业建筑用线 541
TW/THW/THW-2/THHW UL83 certified building wire

THHN/THWN/THWN-2 UL83 认证工业尼龙护套建筑用线 543
THHN/THWN/THWN-2 UL83 certified nylon sheathed building wire

XHHW XHHW-2 RHW RHW-2 RW75 RW90 UL44 认证光伏 / 储能电缆 545
XHHW XHHW-2 RHW RHW-2 RW75 RW90 UL44 certified photovoltaic energy storage cable

AWM 11627 UL758 认证储能高压线 2000V 547
AWM 11627 UL758 certification energy storage high-voltage cable 2000V

AWM 10269 UL758 认证光伏逆变器连接线 1000V 549
AWM 10269 UL758 certification PV inverter connection cable 1000V

FPL/FPLR UL1424 认证功率限止火灾报警电路电缆 551
FPL/FPLR UL1424 certified power limit fire alarm circuit cable

FPL FPLR(LSZH) UL1424 认证 功率限止火灾报警电路电缆 553
FPL/FPLR(LSZH) UL1424 certified power limit fire alarm circuit cable

ESL/10Z3-K TUV 认证 XLPO 绝缘储能电缆 1000Vdc 555
ESL/10Z3-K TUV rheinland certified XLPO insulated energy storage cable, 1000Vdc

ESL/15Z3-K TUV 认证 XLPO 绝缘储能电缆 1500Vdc 557
ESL/15Z3-K TUV certified XLPO insulated XLPO sheathed energy storage cable 1500Vdc

ESL/P10Z3Z3-K TUV 认证 XLPO 绝缘 XLPO 护套储能电缆 1000Vdc 559
ESL/P10Z3Z3-K TUV certified XLPO insulated XLPO sheathed energy storage cable 1000Vdc

ESL/P15Z3Z3-K TUV 认证 XLPO 绝缘 XLPO 护套储能电缆 1500Vdc 561
ESL/P15Z3Z3-K TUV certified XLPO insulated XLPO sheathed energy storage cable 1500Vdc

ESW06V2-K TUV 标准聚氯乙烯绝缘无护套储能电缆 600V 临时室外应用 563
ESW06V2-K TUV standard PVC insulated unsheathed energy storage cable 600V temporary outdoor application

ES-RYJYJ-125 CQC 标准辐照交联绝缘护套储能电缆 1500V 565
ES-RYJYJ-125 CQC standard irradiation cross-linked insulated sheathed energy storage cable 1500V

ES-RYJ-125 CQC 标准辐照交联绝缘无护套储能电缆 1500V 567
ES-RYJ-125 CQC standard irradiation cross-linked insulated unsheathed energy storage cable 1500V

ES-H15ZZ-F TUV 标准辐照交联绝缘护套储能电缆 1500V 569
ES-H15ZZ-F TUV south german standard irradiation cross-linked insulated sheathed energy storage cable 1500V

ES-H15Z-F TUV 标准辐照交联绝缘无护套储能电缆 1500V 571
ES-H15Z-F TUV south german standard irradiation crosslinked insulated unsheathed energy storage cable 1500V

PV1-F TUV 认证太阳能光伏电缆 1000VDC 573
PV1-F TUV certified solar photovoltaic cable 1000VDC

H1Z2Z2-K TUV 认证太阳能光伏电缆 1500VDC 575
H1Z2Z2-K TUV certified solar photovoltaic cable 1500VDC

TC/TC-ER UL1277 认证 TC 类仪表和控制电缆（600V） 577
TC-ER UL1277 certified Instrument and control cable（600V）

TC/TC-ER UL1277 认证 TC 类热固性绝缘 PVC 护套控制电缆（600V） 579
TC-ER UL1277 certified thermoset insulated thermoplastic sheathed control cable（600V）

TC/TC-ER UL1277 认证 TC 类热塑性绝缘 PVC 护套控制电缆（600V） 581
TC-ER UL1277 certified thermoplastic insulation thermoplastic sheathed control cable（600V）

TC/TC-ER UL1277 认证 TC 类热固性绝缘 PVC 护套电力电缆（600V） 583
TC-ER UL1277 certified thermoset insulated thermoplastic sheathed power cable（600V）

TC/TC-ER UL1277 认证 TC 类热塑性绝缘 PVC 护套电力电缆（600V） 585
TC-ER UL1277 certified thermoplastic insulation thermoplastic sheathed power cable（600V）
TC/TC-ER UL1277 认证 TC 类热固性绝缘 PVC 护套电力电缆（2000V） 587
TC-ER UL1277 certified thermosetting insulated thermoplastic sheathed power cable (2000V)
TC/TC-ER UL1277 认证 TC 类热固性绝缘 XLPE 护套控制电缆（600V） 589
TC-ER UL1277 certified thermosetting insulated and sheathed control cable （600V）
TC/TC-ER UL1277 认证 TC 类热固性绝缘 XLPE 护套电力电缆（600V） 591
TC-ER UL1277 certified thermosetting insulated and sheathed power cable (600V)
TC/TC-ER UL1277 认证 TC 类热固性绝缘 XLPE 护套电力电缆（2000V） 593
TC-ER UL1277 certified thermosetting insulated and sheathed power cable (2000V)
WTTC UL2277 认证风力涡轮机托盘电缆 595
WTTC UL2277 certified wind turbine tray cable
VFD UL2277 认证柔性变频驱动电缆 597
VFD UL2277 certified flexible variable frequency drive cable

H 特殊工业电缆 Special Industrial Cable / 599-636

抗拉卷筒电缆
Tension Reel Cable

TS-CRANE-HPKMCE/TS-CRANE-HPJMCE CE 认证 PUR 护套抗拉卷筒电缆 601
TS-CRANE-HPKMCE/TS-CRANE-HPJMCE CE certified PUR sheathed tension reel cable
TS-CRANE-HNKMCE/TS-CRANE-HNJMCE CE 认证橡胶护套卷筒电缆 603
TS-CRANE-HNKMCE/TS-CRANE-HNJMCE CE certified rubber sheathed reel cable
YSLTOE-J CE 认证 PUR 护套蓄缆框吊具电缆 605
YSLTOE-J CE certified PUR sheathed cable storage frame sling cable

扁平电缆
Flat Cable

H05VVH6-F/H07VVH6-F CE 认证 PVC 弹性体护套扁平电缆 607
H05VVH6-F/H07VVH6-F CE certified PVC elastomer sheathed flat cable
H05VVD3H6-F/H07VVD3H6-F CE 认证带钢丝支撑 PVC 弹性体护套扁平电缆 609
H05VVD3H6-F/H07VVD3H6-F CE certified PVC elastomer sheathed flat cable with steel wire support
TS-FB-HPKMCE CE 认证 PUR 护套扁平电缆 611
TS-FB-HPKMCE CE certified PUR sheathed flat cable
TS-FB-HPKMCE-G CE 认证带钢丝支撑 PUR 护套扁平电缆 613
TS-FB-HPKMCE-G CE certified PUR sheathed flat cable with steel wire support
TS-FB-HNKMCE CE 认证耐低温橡套扁平电缆 615
TS-FB-HNKMCE CE certified low temperature resistant rubber sheathed flat cable

海水电缆
Seawater Cable

TS-WTSEA-PUR/TS-WTSEA-C-PUR CE 认证 特制 PUR 护套防海水水密专用电缆 617
TS-WTSEA-PUR/TS-WTSEA-C-PUR CE certified special PUR sheathed seawater tight cable

TS-ROV-HPMCE CE 认证 发泡 PUR 护套防海水零浮力电缆 619
TS-ROV-HPMCE CE certified special PUR sheathed seawater free buoyancy cable

新能源汽车专用电缆
Special Cables For New Energy Vehicles

EV-HLCI-125℃ CE 认证新能源汽车高压充电电缆 621
EV-HLCI-125℃ CE certified high-voltage charging cable for new energy vehicles
EV-HLCI-150℃ CE 认证新能源汽车高压充电电缆 623
EV-HLCI-150℃ CE certified high-voltage charging cable for new energy vehicles
EV-HLCI-S-125℃ CE 认证新能源汽车高压充电屏蔽电缆 625
EV-HLCI-S-125℃ CE certified shielded cable for high voltage charging of new energy vehicles
EV-HLCI-S-150℃ CE 认证新能源汽车高压充电屏蔽电缆 627
EV-HLCI-S-150℃ CE certified shielded cable for high voltage charging of new energy vehicles
EVAC-HPMCE-TPE CE 认证 TPE 护套新能源汽车充电桩专用交流充电电缆 629
EVAC-HPMCE-TPE CE certified AC charging cable for new energy vehicle charging pile
EVAV-HPMCE-PUR CE 认证 TPU 护套新能源汽车充电桩专用交流充电电缆 631
EVAC-HPMCE-PUR CE certified AC charging cable for new energy vehicle charging pile
EVDC-HPMCE-TPE CE 认证 TPE 护套新能源汽车充电桩专用直流充电电缆 633
EVDC-HPMCE-TPE CE certified DC charging cable for new energy vehicle charging pile
EVDC-HPMCE-PUR CE 认证 TPU 护套新能源汽车充电桩专用直流充电电缆 635
EVDC-HPMCE-PUR CE certified DC charging cable for new energy vehicle charging pile

I 电子线 Electron Wire / 637-702

AWM 1007 UL/CUL 认证 PVC 绝缘单芯电子线 639
AWM 1007 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1569 UL/CUL 认证 PVC 绝缘单芯电子线 641
AWM 1569 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1015 UL/CUL 认证 PVC 绝缘单芯电子线 643
AWM 1015 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1061 UL/CUL 认证 PVC 绝缘单芯电子线 645
AWM 1061 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1032 UL/CUL 认证 PVC 绝缘单芯电子线 647
AWM 1032 UL/CUL758 certified PVC insulated single core electronic wire
AWM 10012 UL/CUL 认证 PVC 绝缘单芯电子线 649
AWM 10012 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1571 UL/CUL 认证 PVC 绝缘单芯电子线 651
AWM 1571 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1618 UL/CUL 认证 PVC 绝缘 PVC 护套单芯护套电子线 653
AWM 1618 UL/CUL758 certified PVC insulated PVC sheathed single-core sheathed electronic wire
AWM 1672 UL/CUL 认证 PVC 绝缘 PVC 护套单芯电子线 655
AWM 1672 UL/CUL758 certified PVC insulated PVC sheathed single-core sheathed electronic wire
AWM 1617 UL/CUL 认证 PVC 绝缘 PVC 护套单芯电子线 657
AWM 1617 UL/CUL758 certified PVC insulated PVC sheathed single-core sheathed electronic wire

AWM 1533 UL/CUL 认证 PVC 绝缘电子线 659
AWM 1533 UL/CUL758 certified PVC insulated single core electronic wire
AWM 1185 UL/CUL 认证 PVC 绝缘 PVC 护套单芯屏蔽护套电子线 661
AWM 1185 UL/CUL758 certified PVC insulated PVC sheathed single-core shield sheathed electronic wire
AWM 10042 UL/CUL 认证 TPES 绝缘单芯电子线 663
AWM 10042 UL/CUL758 certified TPES insulated single core electronic wire
AWM 10263 UL/CUL 认证 TPES 绝缘单芯电子线 665
AWM 10263 UL/CUL758 certified TPES insulated single core electronic wire
AWM 3266 UL/CUL 认证 XLPE 绝缘低烟无卤阻燃单芯电子线 667
AWM 3266 UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire
AWM 3271 UL/CUL 认证 XLPE 绝缘低烟无卤阻燃单芯电子线 669
AWM 3271 UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire
AWM 3820 UL/CUL 认证 XLPE 绝缘低烟无卤阻燃单芯电子线 671
AWM 3820 UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire
AWM 3932 UL/CUL 认证 XLPE 绝缘低烟无卤阻燃单芯电子线 673
AWM 3932 UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire
AWM 3817 UL/CUL 认证 XLPE 绝缘低烟无卤阻燃单芯电子线 675
AWM 3817 UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire
H05V-U/H07V-U TUV/CE 双认证 PVC 绝缘单芯电子线 677
H05V-U/H07V-U TUV/CE dual certified PVC insulated single-core electronic wire
H05V-R/H07V-R TUV/CE 双认证 PVC 绝缘单芯电子线 679
H05V-R/H07V-R TUV/CE dual certified PVC insulated single-core electronic wire
H05V-K/H07V-K TUV/CE 双认证 PVC 绝缘单芯电子线 681
H05V-K/H07V-K TUV/CE certified PVC insulated single core electronic wire
H05Z1-U/H07Z1-U TUV/CE 双认证 PO 绝缘低烟无卤阻燃单芯电子线 683
H05Z1-U/H07Z1-U TUV/CE dual certified PO insulated low smoke halogen-free flame retardant electronic wire
H05Z1-R/H07Z1-R TUV/CE 双认证 PO 绝缘低烟无卤阻燃单芯电子线 685
H05Z1-R/H07Z1-R TUV/CE dual certified PO insulated low smoke halogen-free flame retardant electronic wire
H05Z1-K/H07Z1-K TUV/CE 双认证 PO 绝缘低烟无卤阻燃单芯电子线 687
H05Z1-K/H07Z1-K TUV/CE dual certified PO insulated low smoke halogen-free flame retardant electronic wire
H05Z-U/H07Z-U TUV/CE 双认证 XLPO 绝缘低烟无卤阻燃单芯电子线 689
H05Z-U/H07Z-U TUV/CE dual certified XLPO insulated low smoke halogen-free flame retardant electronic wire
H05Z-R/H07Z-R TUV/CE 双认证 XLPO 绝缘低烟无卤阻燃单芯电子线 691
H05Z-R/H07Z-R TUV/CE dual certified XLPO insulated low smoke halogen-free flame retardant electronic wire
H05Z-K/H07Z-K TUV/CE 双认证 XLPO 绝缘低烟无卤阻燃单芯电子线 693
H05Z-K/H07Z-K TUV/CE dual certified XLPO insulated low smoke halogen-free flame retardant electronic wire
AS/NZS 3191 V-90 SAA 认证 PVC 绝缘单芯电子线 695
AS/NZS 3191 V-90 SAA certified PVC insulated single core electronic wire
AS/NZS 5000.2 V-90 SAA 认证 PVC 绝缘单芯电子线 697
AS/NZS 5000.2 V-90 SAA certified PVC insulated single-core electronic wire
AS/NZS 5000.1 V-90 SAA 认证 PVC 绝缘单芯电子线 699
AS/NZS 5000.1 V-90 SAA certified PVC insulated single-core electronic wire
AS/NZS 5000.1 X-HF-110 SAA 认证 XLPE 绝缘低烟无卤阻燃单芯电子线 701
AS/NZS 5000.1 X-HF-110 SAA certified XLPE insulated low smoke halogen-free flame retardant electronic wire



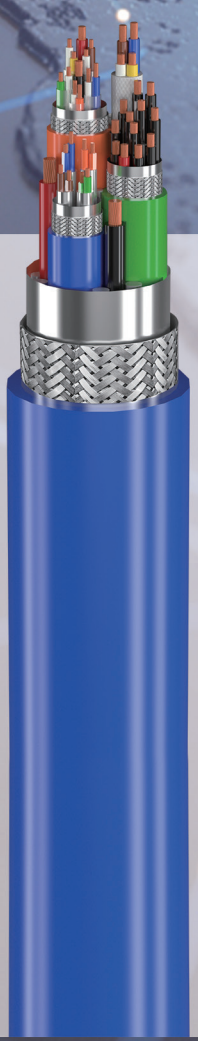
WIPOUS®
维普斯

数据电缆
DATA CABLE

应用领域APPLICATION FIELD:

- 机械和设备制造业 Machinery and equipment manufacturing industry
- 传感器和执行器 Sensors and actuators
- 设备电子元件 Equipment electronics
- 车辆和控制技术 Vehicle and control technology
- 自动化生产流水线 Automated production line
- 总线系统 bus system
- 计算机和通讯设备 Computer and communication equipment





特点CHARACTERISTIC:

柔性
易弯曲
Flexible

双屏蔽+镀锡铜
丝编织工艺，传
输信号强
Double shield+tinned copper braided shield process, strong transmission signal

低烟、无卤
阻燃符合UL
IEC标准
EN标准
Low smoke, halogen-free, flame retardant in accordance with UL, IEC, and EN standards

环保符合
RoHS
REACH
Environmental compliance with RoHS and REACH

电缆外径小
节约布线安装
空间
Small cable outer diameter, saving wiring and installation space

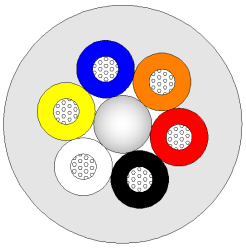
数据电缆 DATA CABLE

01

LIYY

CE 认证 PVC 护套柔性数据电缆

CE certified PVC sheathed flexible data cable



PVC 护套柔性
数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	7X0.14mm²	4.9	9.5	35
7	8X0.14mm²	5.2	10.8	40
8	10X0.14mm²	6.2	13.5	54
9	12X0.14mm²	6.4	16.2	59
10	14X0.14mm²	6.7	18.9	66
11	16X0.14mm²	7.0	21.6	72
12	18X0.14mm²	7.3	24.3	80
13	20X0.14mm²	7.6	27.0	88
14	25X0.14mm²	8.6	33.8	111
15	36X0.14mm²	9.9	48.6	150
16	37X0.14mm²	9.9	50.0	151
17	40X0.14mm²	10.2	54.0	162
18	50X0.14mm²	11.9	67.5	214
19	2X0.25mm²	4.2	4.5	24
20	3X0.25mm²	4.4	6.8	27
21	4X0.25mm²	4.7	9.0	33
22	5X0.25mm²	5.1	11.3	39
23	6X0.25mm²	5.5	13.5	45
24	7X0.25mm²	5.5	15.8	47
25	8X0.25mm²	6.1	18.0	57
26	10X0.25mm²	7.0	22.5	74
27	12X0.25mm²	7.2	27.0	81
28	14X0.25mm²	7.5	31.5	90
29	16X0.25mm²	8.1	36.0	104
30	18X0.25mm²	8.5	40.5	115
31	20X0.25mm²	8.9	45.0	126
32	25X0.25mm²	10.0	56.3	159
33	30X0.25mm²	10.5	67.5	180
34	32X0.25mm²	11.1	72.0	198
35	36X0.25mm²	11.7	81.0	221
36	37X0.25mm²	11.7	83.3	222
37	40X0.25mm²	12.1	90.0	238
38	2X0.34mm²	4.4	6.1	27
39	3X0.34mm²	4.6	9.2	32
40	4X0.34mm²	5.0	12.2	38
41	5X0.34mm²	5.4	15.3	46
42	6X0.34mm²	5.8	18.3	53
43	7X0.34mm²	5.8	21.4	56
44	8X0.34mm²	6.4	24.4	67
45	10X0.34mm²	7.4	30.5	87
46	12X0.34mm²	7.6	36.6	96

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	108
48	16X0.34mm²	8.6	48.8	124
49	18X0.34mm²	9.0	54.9	137
50	20X0.34mm²	9.4	61.0	151
51	25X0.34mm²	10.6	76.3	191
52	30X0.34mm²	11.4	91.5	223
53	36X0.34mm²	12.4	109.8	265
54	37X0.34mm²	12.4	112.9	268
55	40X0.34mm²	13.0	122.0	294
56	2X0.5mm²	4.8	9.0	33
57	3X0.5mm²	5.0	13.5	40
58	4X0.5mm²	5.5	18.0	48
59	5X0.5mm²	5.9	22.5	58
60	6X0.5mm²	6.6	27.0	71
61	7X0.5mm²	6.6	31.5	75
62	8X0.5mm²	7.1	36.0	86
63	10X0.5mm²	8.4	45.0	116
64	12X0.5mm²	8.6	54.0	128
65	14X0.5mm²	9.1	63.0	144
66	16X0.5mm²	9.7	72.0	165
67	18X0.5mm²	10.4	81.0	188
68	20X0.5mm²	10.9	90.0	207
69	25X0.5mm²	12.2	112.5	259
70	30X0.5mm²	13.1	135.0	302
71	37X0.5mm²	14.0	166.5	356
72	40X0.5mm²	14.7	180.0	389
73	2X0.75mm²	5.2	13.7	42
74	3X0.75mm²	5.5	20.5	50
75	4X0.75mm²	5.9	27.4	62
76	5X0.75mm²	6.7	34.2	78
77	6X0.75mm²	7.2	41.0	92
78	7X0.75mm²	7.2	47.9	97
79	8X0.75mm²	7.7	54.7	112
80	10X0.75mm²	9.4	68.4	155
81	12X0.75mm²	9.7	82.1	172
82	16X0.75mm²	10.9	109.4	221
83	18X0.75mm²	11.6	123.1	251
84	20X0.75mm²	12.1	136.8	277
85	25X0.75mm²	13.6	171.0	346
86	2X1.0mm²	5.8	18.3	53
87	3X1.0mm²	6.1	27.4	64
88	4X1.0mm²	6.7	36.5	80
89	5X1.0mm²	7.3	45.7	96
90	2X1.5mm²	6.6	27.4	71
91	3X1.5mm²	7.0	41.1	88
92	4X1.5mm²	7.8	54.8	113

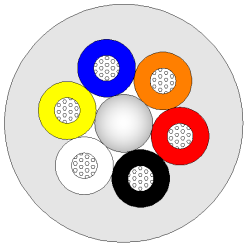
数据电缆 DATA CABLE

01

Li2YY

CE 认证 低电容 PVC 护套柔性数据电缆

CE certified low capacitance PVC sheathed flexible data cable



PVC 护套柔性
数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc.

产品特性

柔性，易弯曲；
低电容；
阻燃性符合 IEC60332-1-2；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Low capacitance;
Flame retardancy conform to IEC60332-1-2;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Polyethylene (PE) core wire insulation;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.

Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	7X0.14mm²	4.9	9.5	35
7	8X0.14mm²	5.2	10.8	40
8	10X0.14mm²	6.2	13.5	54
9	12X0.14mm²	6.4	16.2	59
10	14X0.14mm²	6.7	18.9	66
11	16X0.14mm²	7.0	21.6	72
12	18X0.14mm²	7.3	24.3	80
13	20X0.14mm²	7.6	27.0	88
14	25X0.14mm²	8.6	33.8	111
15	36X0.14mm²	9.9	48.6	150
16	37X0.14mm²	9.9	50.0	151
17	40X0.14mm²	10.2	54.0	162
18	50X0.14mm²	11.9	67.5	214
19	2X0.25mm²	4.2	4.5	24
20	3X0.25mm²	4.4	6.8	27
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22	5X0.25mm²	5.1	11.3	39
23	6X0.25mm²	5.5	13.5	45
24	7X0.25mm²	5.5	15.8	47
25	8X0.25mm²	6.1	18.0	57
26	10X0.25mm²	7.0	22.5	74
27	12X0.25mm²	7.2	27.0	81
28	14X0.25mm²	7.5	31.5	90
29	16X0.25mm²	8.1	36.0	104
30	18X0.25mm²	8.5	40.5	115
31	20X0.25mm²	8.9	45.0	126
32	25X0.25mm²	10.0	56.3	159
33	30X0.25mm²	10.5	67.5	180
34	32X0.25mm²	11.1	72.0	198
35	36X0.25mm²	11.7	81.0	221
36	37X0.25mm²	11.7	83.3	222
37	40X0.25mm²	12.1	90.0	238
38	2X0.34mm²	4.4	6.1	27
39	3X0.34mm²	4.6	9.2	32
40	4X0.34mm²	5.0	12.2	38
41	5X0.34mm²	5.4	15.3	46
42	6X0.34mm²	5.8	18.3	53
43	7X0.34mm²	5.8	21.4	56
44	8X0.34mm²	6.4	24.4	67
45	10X0.34mm²	7.4	30.5	87
46	12X0.34mm²	7.6	36.6	96

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	108
48	16X0.34mm²	8.6	48.8	124
49	18X0.34mm²	9.0	54.9	137
50	20X0.34mm²	9.4	61.0	151
51	25X0.34mm²	10.6	76.3	191
52	30X0.34mm²	11.4	91.5	223
53	36X0.34mm²	12.4	109.8	265
54	37X0.34mm²	12.4	112.9	268
55	40X0.34mm²	13.0	122.0	294
56	2X0.5mm²	4.8	9.0	33
57	3X0.5mm²	5.0	13.5	40
58	4X0.5mm²	5.5	18.0	48
59	5X0.5mm²	5.9	22.5	58
60	6X0.5mm²	6.6	27.0	71
61	7X0.5mm²	6.6	31.5	75
62	8X0.5mm²	7.1	36.0	86
63	10X0.5mm²	8.4	45.0	116
64	12X0.5mm²	8.6	54.0	128
65	14X0.5mm²	9.1	63.0	144
66	16X0.5mm²	9.7	72.0	165
67	18X0.5mm²	10.4	81.0	188
68	20X0.5mm²	10.9	90.0	207
69	25X0.5mm²	12.2	112.5	259
70	30X0.5mm²	13.1	135.0	302
71	37X0.5mm²	14.0	166.5	356
72	40X0.5mm²	14.7	180.0	389
73	2X0.75mm²	5.2	13.7	42
74	3X0.75mm²	5.5	20.5	50
75	4X0.75mm²	5.9	27.4	62
76	5X0.75mm²	6.7	34.2	78
77	6X0.75mm²	7.2	41.0	92
78	7X0.75mm²	7.2	47.9	97
79	8X0.75mm²	7.7	54.7	112
80	10X0.75mm²	9.4	68.4	155
81	12X0.75mm²	9.7	82.1	172
82	16X0.75mm²	10.9	109.4	221
83	18X0.75mm²	11.6	123.1	251
84	20X0.75mm²	12.1	136.8	277
85	25X0.75mm²	13.6	171.0	346
86	2X1.0mm²	5.8	18.3	53
87	3X1.0mm²	6.1	27.4	64
88	4X1.0mm²	6.7	36.5	80
89	5X1.0mm²	7.3	45.7	96
90	2X1.5mm²	6.6	27.4	71
91	3X1.5mm²	7.0	41.1	88
92	4X1.5mm²	7.8	54.8	113

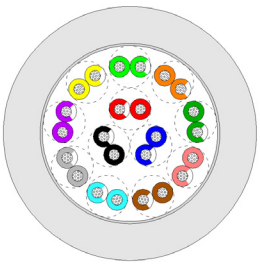
数据电缆 DATA CABLE

01

LIYY-TP

CE 认证 PVC 护套柔性对绞数据电缆

CE certified PVC sheathed flexible twisted pair data cable



PVC 护套柔性
数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

LIYY

Li2YY

LIYY-TP

AWM 2464

AWM 2517

AWM 2725

AWM 20276

AWM 2405

AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc.

产品特性

柔性，易弯曲；
对绞结构可使电路去耦（串音效果）；
阻燃性符合 IEC60332-1-2；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
The twisted pair structure can decouple the circuit (crosstalk effect);
Flame retardancy conform to IEC60332-1-2;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线绞合成对；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core twisted pair;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70℃ ;
　　Moved installation: - 5 to+70℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	3.8	2.8	16
2	2X2X0.14mm²	5.1	5.7	26
3	3X2X0.14mm²	5.5	8.5	33
4	4X2X0.14mm²	6.2	11.4	43
5	5X2X0.14mm²	6.7	14.2	50
6	8X2X0.14mm²	8.0	22.8	74
7	1X2X0.25mm²	4.2	4.7	20
8	2X2X0.25mm²	6.0	9.4	37
9	3X2X0.25mm²	6.4	14.2	46
10	4X2X0.25mm²	7.0	18.9	57
11	5X2X0.25mm²	7.6	23.6	67
12	6X2X0.25mm²	8.4	28.3	82
13	7X2X0.25mm²	8.4	33.1	90
14	8X2X0.25mm²	9.3	37.8	105
15	10X2X0.25mm²	11.0	47.2	133
16	1X2X0.34mm²	4.4	6.4	23
17	2X2X0.34mm²	6.3	12.8	42
18	3X2X0.34mm²	6.8	19.2	54
19	4X2X0.34mm²	7.4	25.6	67
20	5X2X0.34mm²	8.2	32.1	83
21	6X2X0.34mm²	8.9	38.5	96
22	7X2X0.34mm²	8.9	44.9	106
23	8X2X0.34mm²	9.8	51.3	124
24	10X2X0.34mm²	11.8	64.1	162
25	1X2X0.5mm²	4.8	9.4	29
26	2X2X0.5mm²	6.9	18.9	53
27	3X2X0.5mm²	7.5	28.3	69
28	4X2X0.5mm²	8.4	37.8	90
29	5X2X0.5mm²	9.3	47.2	111

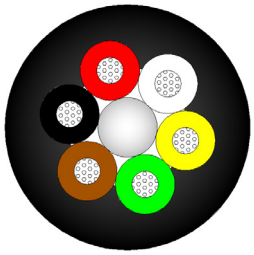
数据电缆 DATA CABLE

01

AWM 2464

UL/CUL 认证 PVC 护套柔性数据电缆

UL/CUL certified PVC sheathed flexible data cable



PVC 护套柔性
数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are intended for export to the North American market using UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2464，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2464, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.4	1.5	14
2	3X28AWG	3.5	2.2	16
3	4X28AWG	3.8	2.9	19
4	5X28AWG	4.0	3.6	22
5	6X28AWG	4.3	4.4	25
6	7X28AWG	4.3	5.1	25
7	8X28AWG	4.6	5.8	29
8	10X28AWG	5.2	7.3	37
9	12X28AWG	5.3	8.7	40
10	14X28AWG	5.6	10.2	44
11	16X28AWG	6.0	11.6	51
12	18X28AWG	6.3	13.1	56
13	20X28AWG	6.6	14.5	61
14	25X28AWG	7.4	18.1	78
15	30X28AWG	7.8	21.8	87
16	32X28AWG	8.0	23.2	93
17	36X28AWG	8.5	26.1	104
18	37X28AWG	8.5	26.9	105
19	40X28AWG	8.8	29.0	112
20	50X28AWG	10.0	36.3	144
21	2X26AWG	3.6	2.6	17
22	3X26AWG	3.8	3.9	19
23	4X26AWG	4.0	5.2	23
24	5X26AWG	4.3	6.5	26
25	6X26AWG	4.6	7.7	31
26	7X26AWG	4.6	9.0	32
27	8X26AWG	4.9	10.3	36
28	10X26AWG	5.6	12.9	47
29	12X26AWG	5.8	15.5	51
30	14X26AWG	6.2	18.1	59
31	16X26AWG	6.5	20.6	65
32	18X26AWG	6.8	23.2	72
33	20X26AWG	7.1	25.8	79
34	25X26AWG	8.0	32.3	100
35	30X26AWG	8.4	38.7	113
36	32X26AWG	8.7	41.3	121
37	36X26AWG	9.2	46.4	135
38	37X26AWG	9.2	47.7	137
39	40X26AWG	9.5	51.6	146
40	50X26AWG	10.8	64.5	187
41	2X24AWG	3.8	4.1	20
42	3X24AWG	4.0	6.1	23
43	4X24AWG	4.3	8.1	27
44	5X24AWG	4.6	10.1	32
45	6X24AWG	4.9	12.2	38
46	7X24AWG	4.9	14.2	39
47	8X24AWG	5.2	16.2	45
48	10X24AWG	6.2	20.3	61
49	12X24AWG	6.4	24.3	67
50	14X24AWG	6.7	28.4	74
51	16X24AWG	7.0	32.4	83
52	18X24AWG	7.3	36.5	91
53	20X24AWG	7.8	40.5	104
54	25X24AWG	8.6	50.7	127
55	30X24AWG	9.3	60.8	149
56	32X24AWG	9.6	64.9	159
57	36X24AWG	9.9	73.0	173
58	37X24AWG	9.9	75.0	175

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	192
60	50X24AWG	12.1	101.4	251
61	2X22AWG	4.2	6.3	25
62	3X22AWG	4.4	9.4	30
63	4X22AWG	4.7	12.5	36
64	5X22AWG	5.1	15.7	43
65	6X22AWG	5.5	18.8	50
66	7X22AWG	5.5	21.9	53
67	8X22AWG	5.9	25.1	61
68	10X22AWG	7.0	31.3	82
69	12X22AWG	7.2	37.6	91
70	14X22AWG	7.5	43.9	102
71	16X22AWG	8.1	50.1	117
72	18X22AWG	8.5	56.4	130
73	20X22AWG	8.9	62.7	143
74	25X22AWG	10.0	78.3	180
75	30X22AWG	10.7	94.0	210
76	36X22AWG	11.7	112.8	251
77	37X22AWG	11.9	115.9	259
78	40X22AWG	12.3	125.3	278
79	2X20AWG	4.8	9.6	34
80	3X20AWG	5.0	14.4	41
81	4X20AWG	5.5	19.2	50
82	5X20AWG	5.9	24.0	60
83	6X20AWG	6.4	28.8	71
84	7X20AWG	6.4	33.5	75
85	8X20AWG	7.1	38.3	89
86	10X20AWG	8.4	47.9	121
87	12X20AWG	8.6	57.5	134
88	14X20AWG	9.3	67.1	154
89	16X20AWG	9.7	76.7	172
90	18X20AWG	10.4	86.3	196
91	20X20AWG	10.9	95.8	216
92	25X20AWG	12.4	119.8	276
93	30X20AWG	13.1	143.8	315
94	37X20AWG	14.2	177.3	379
95	40X20AWG	14.7	191.7	407
96	2X18AWG	5.2	15.1	44
97	3X18AWG	5.5	22.7	53
98	4X18AWG	5.9	30.2	66
99	5X18AWG	6.7	37.8	82
100	6X18AWG	7.2	45.3	97
101	7X18AWG	7.2	52.9	104
102	8X18AWG	7.9	60.5	123
103	10X18AWG	9.4	75.6	164
104	12X18AWG	9.7	90.7	183
105	16X18AWG	10.9	120.9	236
106	18X18AWG	11.8	136.0	273
107	20X18AWG	12.3	151.1	301
108	25X18AWG	13.8	188.9	376
109	2X16AWG	6.4	23.4	66
110	3X16AWG	6.8	35.1	82
111	4X16AWG	7.6	46.8	105
112	5X16AWG	8.3	58.5	127
113	2X14AWG	7.2	36.9	90
114	3X14AWG	7.8	55.3	116
115	4X14AWG	8.6	73.8	146
116	5X14AWG	9.6	92.2	182

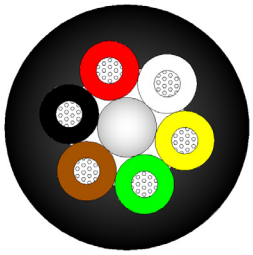
数据电缆 DATA CABLE

01

AWM 2517

UL/CUL 认证 耐热型 PVC 护套柔性数据电缆

UL/CUL certified heat resistant PVC sheathed flexible data cable



PVC 护套柔性
数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are intended for export to the North American market using UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
良好的耐热，抗老化性能；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Good heat resistance and aging resistance;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2517，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2517, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
耐高温 PVC/ 耐高温 TPE 芯线绝缘材质可选；
耐热 PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
High temperature resistant PVC/TPE core wire insulation material is optional;
Heat resistant PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 105℃；
　　移动安装：-5 至+ 105℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+105 ℃ ;
　　Moved installation: - 5 to+105 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	4.0	1.5	19
2	3X28AWG	4.2	2.2	22
3	4X28AWG	4.5	2.9	25
4	5X28AWG	4.8	3.6	30
5	6X28AWG	5.2	4.4	34
6	7X28AWG	5.2	5.1	35
7	8X28AWG	5.6	5.8	40
8	10X28AWG	6.6	7.3	56
9	12X28AWG	6.8	8.7	60
10	14X28AWG	7.1	10.2	66
11	16X28AWG	7.4	11.6	73
12	18X28AWG	8.0	13.1	84
13	20X28AWG	8.4	14.5	92
14	25X28AWG	9.4	18.1	116
15	30X28AWG	9.9	21.8	130
16	32X28AWG	10.4	23.2	144
17	36X28AWG	10.8	26.1	155
18	37X28AWG	10.8	26.9	155
19	40X28AWG	11.2	29.0	166
20	50X28AWG	12.9	36.3	220
21	2X26AWG	4.2	2.6	22
22	3X26AWG	4.4	3.9	25
23	4X26AWG	4.7	5.2	30
24	5X26AWG	5.1	6.5	35
25	6X26AWG	5.5	7.7	41
26	7X26AWG	5.5	9.0	42
27	8X26AWG	5.9	10.3	48
28	10X26AWG	7.0	12.9	67
29	12X26AWG	7.2	15.5	72
30	14X26AWG	7.5	18.1	80
31	16X26AWG	7.9	20.6	89
32	18X26AWG	8.5	23.2	102
33	20X26AWG	8.9	25.8	112
34	25X26AWG	10.0	32.3	141
35	30X26AWG	10.7	38.7	164
36	32X26AWG	11.1	41.3	175
37	36X26AWG	11.7	46.4	195
38	37X26AWG	11.7	47.7	196
39	40X26AWG	12.3	51.6	216
40	2X24AWG	4.5	4.1	26
41	3X24AWG	4.7	6.1	31
42	4X24AWG	5.1	8.1	36
43	5X24AWG	5.5	10.1	43
44	6X24AWG	6.0	12.2	51
45	7X24AWG	6.0	14.2	52
46	8X24AWG	6.6	16.2	63
47	10X24AWG	7.8	20.3	86
48	12X24AWG	8.0	24.3	94
49	14X24AWG	8.4	28.4	104
50	16X24AWG	8.8	32.4	116
51	18X24AWG	9.5	36.5	132
52	20X24AWG	9.9	40.5	146
53	25X24AWG	11.1	50.7	183

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
54	30X24AWG	12.1	60.8	218
55	2X22AWG	4.8	6.3	32
56	3X22AWG	5.0	9.4	37
57	4X22AWG	5.5	12.5	45
58	5X22AWG	5.9	15.7	53
59	6X22AWG	6.4	18.8	62
60	7X22AWG	6.4	21.9	65
61	8X22AWG	7.1	25.1	78
62	10X22AWG	8.4	31.3	107
63	12X22AWG	8.6	37.6	117
64	14X22AWG	9.3	43.9	135
65	16X22AWG	9.7	50.1	150
66	18X22AWG	10.4	56.4	171
67	20X22AWG	11.1	62.7	193
68	25X22AWG	12.4	78.3	241
69	2X20AWG	5.1	9.6	38
70	3X20AWG	5.4	14.4	45
71	4X20AWG	5.8	19.2	55
72	5X20AWG	6.3	24.0	66
73	6X20AWG	7.1	28.8	81
74	7X20AWG	7.1	33.5	85
75	8X20AWG	7.6	38.3	98
76	10X20AWG	9.0	47.9	133
77	12X20AWG	9.5	57.5	151
78	14X20AWG	9.9	67.1	169
79	16X20AWG	10.6	76.7	193
80	18X20AWG	11.4	86.3	219
81	20X20AWG	12.1	95.8	247
82	25X20AWG	13.3	119.8	302
83	30X20AWG	14.2	143.8	351
84	37X20AWG	15.3	177.3	414
85	40X20AWG	15.8	191.7	445
86	2X18AWG	5.7	15.1	50
87	3X18AWG	6.0	22.7	60
88	4X18AWG	6.6	30.2	74
89	5X18AWG	7.3	37.8	93
90	6X18AWG	8.0	45.3	110
91	7X18AWG	8.0	52.9	117
92	8X18AWG	8.8	60.5	139
93	10X18AWG	10.6	75.6	192
94	12X18AWG	10.9	90.7	212
95	16X18AWG	12.4	120.9	278
96	18X18AWG	13.1	136.0	308
97	20X18AWG	13.7	151.1	340
98	25X18AWG	15.5	188.9	433
99	2X16AWG	6.4	23.4	66
100	3X16AWG	6.8	35.1	82
101	4X16AWG	7.6	46.8	105
102	5X16AWG	8.3	58.5	127
103	2X14AWG	7.2	36.9	90
104	3X14AWG	7.8	55.3	116
105	4X14AWG	8.6	73.8	146
106	5X14AWG	9.6	92.2	182

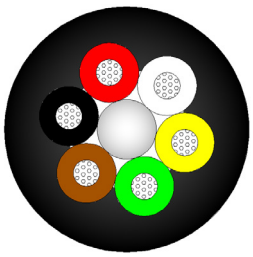
数据电缆 DATA CABLE

01

AWM 2725

UL/CUL 认证 PVC 护套柔性数据电缆，30V 超细外径

UL/CUL certified PVC sheathed flexible data cable,
30V ultra-fine outer diameter



PVC 护套柔性数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，专为狭小空间下传输测量和控制信号而设计，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc. They are specially designed for transmission of measurement and control signals in narrow spaces and are intended for export to the North American market where UL/CSA certified cables are used.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电缆外径小，适合狭小空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The outer diameter of the cable is small, suitable for narrow space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2725，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2725, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：30V；
绝缘电阻：＞ 20MΩ x km；
测试电压：500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 30V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	2.8	1.5	10
2	3X28AWG	2.9	2.2	12
3	4X28AWG	3.2	2.9	14
4	5X28AWG	3.4	3.6	16
5	6X28AWG	3.9	4.4	21
6	7X28AWG	3.9	5.1	22
7	8X28AWG	4.4	5.8	27
8	10X28AWG	5.0	7.3	35
9	12X28AWG	5.3	8.7	40
10	14X28AWG	5.6	10.2	44
11	16X28AWG	5.8	11.6	48
12	18X28AWG	6.3	13.1	56
13	20X28AWG	6.6	14.5	61
14	25X28AWG	7.4	18.1	78
15	30X28AWG	7.8	21.8	87
16	32X28AWG	8.0	23.2	93
17	36X28AWG	8.5	26.1	104
18	37X28AWG	8.5	26.9	105
19	40X28AWG	8.8	29.0	112
20	50X28AWG	10.0	36.3	144
21	2X26AWG	3.0	2.6	12
22	3X26AWG	3.2	3.9	15
23	4X26AWG	3.6	5.2	19
24	5X26AWG	3.9	6.5	23
25	6X26AWG	4.4	7.7	29
26	7X26AWG	4.4	9.0	30
27	8X26AWG	4.9	10.3	36
28	10X26AWG	5.6	12.9	47
29	12X26AWG	5.8	15.5	51
30	14X26AWG	6.0	18.1	56
31	16X26AWG	6.3	20.6	63
32	18X26AWG	6.8	23.2	72
33	20X26AWG	7.1	25.8	79
34	25X26AWG	8.0	32.3	100
35	30X26AWG	8.4	38.7	113
36	32X26AWG	8.7	41.3	121
37	36X26AWG	9.2	46.4	135
38	37X26AWG	9.2	47.7	137
39	40X26AWG	9.5	51.6	146
40	50X26AWG	10.8	64.5	187
41	2X24AWG	3.2	4.1	15
42	3X24AWG	3.4	6.1	18
43	4X24AWG	3.9	8.1	24
44	5X24AWG	4.2	10.1	28
45	6X24AWG	4.7	12.2	35
46	7X24AWG	4.7	14.2	37
47	8X24AWG	5.2	16.2	45
48	10X24AWG	6.0	20.3	58
49	12X24AWG	6.2	24.3	64
50	14X24AWG	6.7	28.4	74
51	16X24AWG	7.0	32.4	83
52	18X24AWG	7.3	36.5	91
53	20X24AWG	7.8	40.5	104
54	25X24AWG	8.6	50.7	127
55	30X24AWG	9.3	60.8	149
56	32X24AWG	9.6	64.9	159
57	36X24AWG	9.9	73.0	173
58	37X24AWG	9.9	75.0	175

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	192
60	50X24AWG	12.1	101.4	251
61	2X22AWG	3.8	6.3	22
62	3X22AWG	4.0	9.4	26
63	4X22AWG	4.3	12.5	32
64	5X22AWG	4.7	15.7	38
65	6X22AWG	5.3	18.8	48
66	7X22AWG	5.3	21.9	50
67	8X22AWG	5.9	25.1	61
68	10X22AWG	7.0	31.3	82
69	12X22AWG	7.2	37.6	91
70	14X22AWG	7.5	43.9	102
71	16X22AWG	7.9	50.1	113
72	18X22AWG	8.3	56.4	126
73	20X22AWG	8.9	62.7	143
74	25X22AWG	10.0	78.3	180
75	30X22AWG	10.7	94.0	210
76	36X22AWG	11.7	112.8	251
77	37X22AWG	11.9	115.9	259
78	40X22AWG	12.3	125.3	278
79	2X20AWG	4.4	9.6	30
80	3X20AWG	4.6	14.4	37
81	4X20AWG	5.3	19.2	48
82	5X20AWG	5.9	24.0	60
83	6X20AWG	6.4	28.8	71
84	7X20AWG	6.4	33.5	75
85	8X20AWG	7.1	38.3	89
86	10X20AWG	8.4	47.9	121
87	12X20AWG	8.6	57.5	134
88	14X20AWG	9.3	67.1	154
89	16X20AWG	9.7	76.7	172
90	18X20AWG	10.4	86.3	196
91	20X20AWG	10.9	95.8	216
92	25X20AWG	12.4	119.8	276
93	30X20AWG	13.1	143.8	315
94	37X20AWG	14.2	177.3	379
95	40X20AWG	14.7	191.7	407
96	2X18AWG	5.2	15.1	44
97	3X18AWG	5.5	22.7	53
98	4X18AWG	5.9	30.2	66
99	5X18AWG	6.5	37.8	79
100	6X18AWG	7.2	45.3	97
101	7X18AWG	7.2	52.9	104
102	8X18AWG	7.9	60.5	123
103	10X18AWG	9.4	75.6	164
104	12X18AWG	9.7	90.7	183
105	16X18AWG	10.9	120.9	236
106	18X18AWG	11.8	136.0	273
107	20X18AWG	12.3	151.1	301
108	25X18AWG	13.8	188.9	376
109	2X16AWG	5.9	23.4	59
110	3X16AWG	6.2	35.1	74
111	4X16AWG	6.8	46.8	92
112	5X16AWG	7.4	58.5	112
113	2X14AWG	6.7	36.9	82
114	3X14AWG	7.1	55.3	104
115	4X14AWG	7.8	73.8	131
116	5X14AWG	8.5	92.2	160

数据电缆 DATA CABLE

01

PVC 护套柔性数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

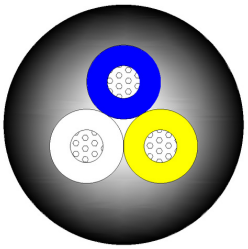
- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



AWM 20276

UL/CUL 认证 PVC 护套柔性数据电缆，30V 超细外径

UL/CUL certified PVC sheathed flexible data cable, 30V, ultra-fine outer diameter



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，专为狭小空间下传输测量和控制信号而设计，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc. They are specially designed for transmission of measurement and control signals in narrow spaces and are intended for export to the North American market where UL/CSA certified cables are used.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电缆外径小，适合狭小空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The outer diameter of the cable is small, suitable for narrow space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20276，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20276, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：30V；
绝缘电阻：＞ 20MΩ x km；
测试电压：500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 30V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	2.8	1.5	10
2	3X28AWG	2.9	2.2	12
3	4X28AWG	3.2	2.9	14
4	5X28AWG	3.4	3.6	16
5	6X28AWG	3.9	4.4	21
6	7X28AWG	3.9	5.1	22
7	8X28AWG	4.4	5.8	27
8	10X28AWG	5.0	7.3	35
9	12X28AWG	5.3	8.7	40
10	14X28AWG	5.6	10.2	44
11	16X28AWG	5.8	11.6	48
12	18X28AWG	6.3	13.1	56
13	20X28AWG	6.6	14.5	61
14	25X28AWG	7.4	18.1	78
15	30X28AWG	7.8	21.8	87
16	32X28AWG	8.0	23.2	93
17	36X28AWG	8.5	26.1	104
18	37X28AWG	8.5	26.9	105
19	40X28AWG	8.8	29.0	112
20	50X28AWG	10.0	36.3	144
21	2X26AWG	3.0	2.6	12
22	3X26AWG	3.2	3.9	15
23	4X26AWG	3.6	5.2	19
24	5X26AWG	3.9	6.5	23
25	6X26AWG	4.4	7.7	29
26	7X26AWG	4.4	9.0	30
27	8X26AWG	4.9	10.3	36
28	10X26AWG	5.6	12.9	47
29	12X26AWG	5.8	15.5	51
30	14X26AWG	6.0	18.1	56
31	16X26AWG	6.3	20.6	63
32	18X26AWG	6.8	23.2	72
33	20X26AWG	7.1	25.8	79
34	25X26AWG	8.0	32.3	100
35	30X26AWG	8.4	38.7	113
36	32X26AWG	8.7	41.3	121
37	36X26AWG	9.2	46.4	135
38	37X26AWG	9.2	47.7	137
39	40X26AWG	9.5	51.6	146
40	50X26AWG	10.8	64.5	187
41	2X24AWG	3.2	4.1	15
42	3X24AWG	3.4	6.1	18
43	4X24AWG	3.9	8.1	24
44	5X24AWG	4.2	10.1	28
45	6X24AWG	4.7	12.2	35
46	7X24AWG	4.7	14.2	37
47	8X24AWG	5.2	16.2	45
48	10X24AWG	6.0	20.3	58
49	12X24AWG	6.2	24.3	64
50	14X24AWG	6.7	28.4	74
51	16X24AWG	7.0	32.4	83
52	18X24AWG	7.3	36.5	91
53	20X24AWG	7.8	40.5	104
54	25X24AWG	8.6	50.7	127
55	30X24AWG	9.3	60.8	149
56	32X24AWG	9.6	64.9	159
57	36X24AWG	9.9	73.0	173
58	37X24AWG	9.9	75.0	175

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	192
60	50X24AWG	12.1	101.4	251
61	2X22AWG	3.8	6.3	22
62	3X22AWG	4.0	9.4	26
63	4X22AWG	4.3	12.5	32
64	5X22AWG	4.7	15.7	38
65	6X22AWG	5.3	18.8	48
66	7X22AWG	5.3	21.9	50
67	8X22AWG	5.9	25.1	61
68	10X22AWG	7.0	31.3	82
69	12X22AWG	7.2	37.6	91
70	14X22AWG	7.5	43.9	102
71	16X22AWG	7.9	50.1	113
72	18X22AWG	8.3	56.4	126
73	20X22AWG	8.9	62.7	143
74	25X22AWG	10.0	78.3	180
75	30X22AWG	10.7	94.0	210
76	36X22AWG	11.7	112.8	251
77	37X22AWG	11.9	115.9	259
78	40X22AWG	12.3	125.3	278
79	2X20AWG	4.4	9.6	30
80	3X20AWG	4.6	14.4	37
81	4X20AWG	5.3	19.2	48
82	5X20AWG	5.9	24.0	60
83	6X20AWG	6.4	28.8	71
84	7X20AWG	6.4	33.5	75
85	8X20AWG	7.1	38.3	89
86	10X20AWG	8.4	47.9	121
87	12X20AWG	8.6	57.5	134
88	14X20AWG	9.3	67.1	154
89	16X20AWG	9.7	76.7	172
90	18X20AWG	10.4	86.3	196
91	20X20AWG	10.9	95.8	216
92	25X20AWG	12.4	119.8	276
93	30X20AWG	13.1	143.8	315
94	37X20AWG	14.2	177.3	379
95	40X20AWG	14.7	191.7	407
96	2X18AWG	5.2	15.1	44
97	3X18AWG	5.5	22.7	53
98	4X18AWG	5.9	30.2	66
99	5X18AWG	6.5	37.8	79
100	6X18AWG	7.2	45.3	97
101	7X18AWG	7.2	52.9	104
102	8X18AWG	7.9	60.5	123
103	10X18AWG	9.4	75.6	164
104	12X18AWG	9.7	90.7	183
105	16X18AWG	10.9	120.9	236
106	18X18AWG	11.8	136.0	273
107	20X18AWG	12.3	151.1	301
108	25X18AWG	13.8	188.9	376
109	2X16AWG	5.9	23.4	59
110	3X16AWG	6.2	35.1	74
111	4X16AWG	6.8	46.8	92
112	5X16AWG	7.4	58.5	112
113	2X14AWG	6.7	36.9	82
114	3X14AWG	7.1	55.3	104
115	4X14AWG	7.8	73.8	131
116	5X14AWG	8.5	92.2	160

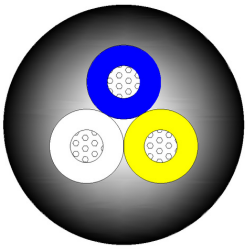
数据电缆 DATA CABLE

01

AWM 2405

UL/CUL 认证 PVC 绝缘 PVC 护套柔性数据电缆

UL/CUL certified PVC insulated and PVC sheathed flexible data cable



PVC 护套柔性数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- LIYY
- Li2YY
- LIYY-TP
- AWM 2464
- AWM 2517
- AWM 2725
- AWM 20276
- AWM 2405
- AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are intended for the North American market where UL/CSA certified cables are required for export.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
良好的耐热，抗老化性能；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1;
Excellent heat resistance and anti-aging performance;
Good peelability
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2405，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2405, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
PVC core insulation;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V;
绝缘电阻：＞ 20MΩ x km;
测试电压：2000V;
电容：约 120nF/km;
电感：约 0.65mH/km;
温度范围：
　　固定安装：−40 至+ 80℃;
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径;
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: −40 to +80℃ ;
　　mobile installation: −5 to +80℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	4.0	1.5	19
2	3X28AWG	4.2	2.2	22
3	4X28AWG	4.5	2.9	25
4	5X28AWG	4.8	3.6	30
5	6X28AWG	5.2	4.4	34
6	2X26AWG	4.2	2.6	22
7	3X26AWG	4.4	3.9	25
8	4X26AWG	4.7	5.2	30
9	5X26AWG	5.1	6.5	35
10	6X26AWG	5.5	7.7	41
11	2X24AWG	4.5	4.1	26
12	3X24AWG	4.7	6.1	31
13	4X24AWG	5.1	8.1	36
14	5X24AWG	5.5	10.1	43
15	6X24AWG	6.0	12.2	51
16	2X22AWG	4.8	6.3	32
17	3X22AWG	5.0	9.4	37

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
18	4X22AWG	5.5	12.5	45
19	5X22AWG	5.9	15.7	53
20	6X22AWG	6.4	18.8	62
21	2X20AWG	5.1	9.6	38
22	3X20AWG	5.4	14.4	45
23	4X20AWG	5.8	19.2	55
24	5X20AWG	6.3	24.0	66
25	6X20AWG	7.1	28.8	81
26	2X18AWG	5.7	15.1	50
27	3X18AWG	6.0	22.7	60
28	4X18AWG	6.6	30.2	74
29	5X18AWG	7.3	37.8	93
30	6X18AWG	8.0	45.3	110
31	2X16AWG	6.4	23.4	66
32	3X16AWG	6.8	35.1	82
33	4X16AWG	7.6	46.8	105
34	5X16AWG	8.3	58.5	127

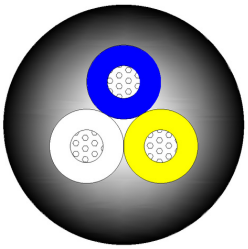
数据电缆 DATA CABLE

01

AWM 2547

UL/CUL 认证 PVC 绝缘 PVC 护套柔性数据电缆

UL/CUL certified PVC insulated and PVC sheathed flexible data cable



PVC 护套柔性
数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

LIYY

Li2YY

LIYY-TP

AWM 2464

AWM 2517

AWM 2725

AWM 20276

AWM 2405

AWM 2547



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are intended for the North American market where UL/CSA certified cables are required for export.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1;
Small cable outer diameter, saving installation space;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2547，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2547, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类
SR-PVC 芯线绝缘
PVC 外护套
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
SR-PVC core insulation;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: −40 to +80℃ ;
　　mobile installation: −5 to +80℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	2.6	1	9
2	3X28AWG	2.7	2	11
3	2X26AWG	2.8	3	11
4	3X26AWG	3.0	4	13
5	2X24AWG	3.0	4	14
6	3X24AWG	3.2	6	17
7	2X22AWG	3.4	6	18
8	3X22AWG	3.6	9	23
9	2X20AWG	4.1	9	27
10	3X20AWG	4.3	14	33
11	2X18AWG	4.5	15	35
12	3X18AWG	4.8	22	44
13	2X16AWG	5.5	23	53
14	3X16AWG	5.8	35	67

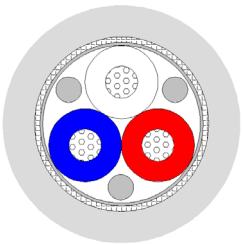
数据电缆 DATA CABLE

01

LIYCY

CE 认证 PVC 护套柔性屏蔽数据电缆

CE Certified PVC Sheathed Flexible Shielded Data Cable



PVC 护套柔性
屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYCY
- Li2YCY
- LIYCY-CY
- AWM 2464-S
- AWM 2517-S
- AWM 2725-S
- AWM 20276-S
- AWM 2405-S
- AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional operation without forced stress and fixed direction

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification.
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance:
　　core/core: about 120nF/km;
　　core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	24
2	3X0.14mm²	4.5	10.5	27
3	4X0.14mm²	4.8	12.5	32
4	5X0.14mm²	5.1	14.7	36
5	6X0.14mm²	5.4	16.9	41
6	7X0.14mm²	5.4	18.2	43
7	8X0.14mm²	5.9	20.4	50
8	10X0.14mm²	6.7	25.1	60
9	12X0.14mm²	6.9	28.2	67
10	14X0.14mm²	7.2	31.7	74
11	16X0.14mm²	7.7	37.9	87
12	18X0.14mm²	8.0	41.7	94
13	20X0.14mm²	8.3	45.4	102
14	25X0.14mm²	9.3	54.5	125
15	30X0.14mm²	9.8	62.7	141
16	36X0.14mm²	10.6	72.8	166
17	37X0.14mm²	10.6	74.2	169
18	40X0.14mm²	10.9	79.3	179
19	50X0.14mm²	12.6	96.6	226
20	2X0.25mm²	5.3	11.5	36
21	3X0.25mm²	5.7	14.2	44
22	4X0.25mm²	5.2	17.3	40
23	5X0.25mm²	5.6	20.5	46
24	6X0.25mm²	6.0	23.8	52
25	7X0.25mm²	6.0	26.0	56
26	8X0.25mm²	6.6	29.3	65
27	10X0.25mm²	7.5	38.8	82
28	12X0.25mm²	7.7	44.0	91
29	14X0.25mm²	8.2	49.5	104
30	16X0.25mm²	8.6	55.1	115
31	18X0.25mm²	9.2	60.8	130
32	20X0.25mm²	9.6	66.5	140
33	25X0.25mm²	10.7	80.6	172
34	30X0.25mm²	11.2	93.5	195
35	32X0.25mm²	11.8	99.1	211
36	36X0.25mm²	12.4	109.4	236
37	37X0.25mm²	12.4	111.6	240
38	40X0.25mm²	12.8	119.6	255
39	2X0.34mm²	4.9	13.6	32
40	3X0.34mm²	5.1	17.2	38
41	4X0.34mm²	5.5	21.2	45
42	5X0.34mm²	5.9	25.2	52
43	6X0.34mm²	6.3	29.4	60
44	7X0.34mm²	6.3	32.4	65
45	8X0.34mm²	6.9	36.6	75
46	10X0.34mm²	8.1	48.1	98
47	12X0.34mm²	8.3	54.9	109

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	122
49	16X0.34mm²	9.3	69.5	138
50	18X0.34mm²	9.7	76.9	151
51	20X0.34mm²	10.3	84.3	169
52	25X0.34mm²	11.5	102.6	207
53	30X0.34mm²	12.3	119.7	241
54	36X0.34mm²	13.1	140.6	278
55	37X0.34mm²	13.1	143.7	283
56	40X0.34mm²	13.7	154.2	308
57	2X0.5mm²	5.3	17.5	38
58	3X0.5mm²	5.5	22.6	47
59	4X0.5mm²	6.0	28.2	56
60	5X0.5mm²	6.4	33.9	65
61	6X0.5mm²	7.1	39.6	78
62	7X0.5mm²	7.1	44.1	85
63	8X0.5mm²	7.6	52.7	98
64	10X0.5mm²	8.9	65.1	123
65	12X0.5mm²	9.1	74.9	138
66	14X0.5mm²	9.8	85.2	159
67	16X0.5mm²	10.4	95.6	181
68	18X0.5mm²	10.9	106.1	199
69	20X0.5mm²	11.6	116.6	222
70	25X0.5mm²	12.9	142.6	271
71	30X0.5mm²	13.6	167.3	311
72	37X0.5mm²	14.7	201.8	373
73	40X0.5mm²	15.4	216.8	405
74	2X0.75mm²	5.7	23.2	46
75	3X0.75mm²	6.0	30.8	57
76	4X0.75mm²	6.4	38.9	70
77	5X0.75mm²	7.2	47.1	86
78	6X0.75mm²	7.9	58.2	105
79	7X0.75mm²	7.9	65.1	115
80	8X0.75mm²	8.4	73.7	128
81	10X0.75mm²	9.9	91.2	161
82	12X0.75mm²	10.4	105.9	187
83	16X0.75mm²	11.6	136.4	239
84	18X0.75mm²	12.3	151.8	268
85	20X0.75mm²	12.8	167.3	292
86	25X0.75mm²	14.3	205.6	358
87	2X1.0mm²	6.5	29.3	59
88	3X1.0mm²	6.8	39.3	74
89	4X1.0mm²	7.6	52.6	97
90	5X1.0mm²	8.2	63.6	114
91	2X1.5mm²	7.3	43.2	79
92	3X1.5mm²	7.9	58.2	104
93	4X1.5mm²	8.5	73.9	128
94	5X1.5mm²	9.5	89.9	156

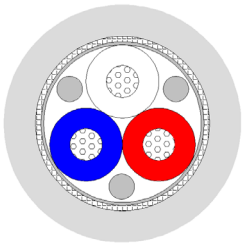
数据电缆 DATA CABLE

01

Li2YCY

CE 认证 低电容 PVC 护套屏蔽柔性数据电缆

CE certified low capacitance PVC sheathed shielded flexible data cable



PVC 护套柔性屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- LIYCY
- Li2YCY
- LIYCY-CY
- AWM 2464-S
- AWM 2517-S
- AWM 2725-S
- AWM 20276-S
- AWM 2405-S
- AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional operation without forced stress and fixed direction.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
低电容数据电缆；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Low capacitance data cable;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Polyethylene (PE) core wire insulation;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	23
2	3X0.14mm²	4.5	10.5	26
3	4X0.14mm²	4.8	12.5	30
4	5X0.14mm²	5.1	14.7	35
5	6X0.14mm²	5.4	16.9	39
6	7X0.14mm²	5.4	18.2	41
7	8X0.14mm²	5.9	20.4	48
8	10X0.14mm²	6.7	25.1	58
9	12X0.14mm²	6.9	28.2	63
10	14X0.14mm²	7.2	31.7	70
11	16X0.14mm²	7.7	37.9	82
12	18X0.14mm²	8.0	41.7	89
13	20X0.14mm²	8.3	45.4	96
14	25X0.14mm²	9.3	54.5	118
15	30X0.14mm²	9.8	62.7	133
16	36X0.14mm²	10.6	72.8	156
17	37X0.14mm²	10.6	74.2	158
18	40X0.14mm²	10.9	79.3	168
19	50X0.14mm²	12.6	96.6	212
20	2X0.25mm²	5.3	11.5	35
21	3X0.25mm²	5.7	14.2	42
22	4X0.25mm²	5.2	17.3	38
23	5X0.25mm²	5.6	20.5	44
24	6X0.25mm²	6.0	23.8	50
25	7X0.25mm²	6.0	26.0	53
26	8X0.25mm²	6.6	29.3	62
27	10X0.25mm²	7.5	38.8	78
28	12X0.25mm²	7.7	44.0	86
29	14X0.25mm²	8.2	49.5	99
30	16X0.25mm²	8.6	55.1	109
31	18X0.25mm²	9.2	60.8	123
32	20X0.25mm²	9.6	66.5	133
33	25X0.25mm²	10.7	80.6	162
34	30X0.25mm²	11.2	93.5	184
35	32X0.25mm²	11.8	99.1	199
36	36X0.25mm²	12.4	109.4	222
37	37X0.25mm²	12.4	111.6	226
38	40X0.25mm²	12.8	119.6	240
39	2X0.34mm²	4.9	13.6	31
40	3X0.34mm²	5.1	17.2	37
41	4X0.34mm²	5.5	21.2	44
42	5X0.34mm²	5.9	25.2	50
43	6X0.34mm²	6.3	29.4	57
44	7X0.34mm²	6.3	32.4	62
45	8X0.34mm²	6.9	36.6	72
46	10X0.34mm²	8.1	48.1	94
47	12X0.34mm²	8.3	54.9	104

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	116
49	16X0.34mm²	9.3	69.5	132
50	18X0.34mm²	9.7	76.9	144
51	20X0.34mm²	10.3	84.3	161
52	25X0.34mm²	11.5	102.6	196
53	30X0.34mm²	12.3	119.7	229
54	36X0.34mm²	13.1	140.6	263
55	37X0.34mm²	13.1	143.7	267
56	40X0.34mm²	13.7	154.2	291
57	2X0.5mm²	5.3	17.5	37
58	3X0.5mm²	5.5	22.6	45
59	4X0.5mm²	6.0	28.2	54
60	5X0.5mm²	6.4	33.9	63
61	6X0.5mm²	7.1	39.6	75
62	7X0.5mm²	7.1	44.1	81
63	8X0.5mm²	7.6	52.7	93
64	10X0.5mm²	8.9	65.1	118
65	12X0.5mm²	9.1	74.9	132
66	14X0.5mm²	9.8	85.2	152
67	16X0.5mm²	10.4	95.6	173
68	18X0.5mm²	10.9	106.1	189
69	20X0.5mm²	11.6	116.6	211
70	25X0.5mm²	12.9	142.6	258
71	30X0.5mm²	13.6	167.3	295
72	37X0.5mm²	14.7	201.8	354
73	40X0.5mm²	15.4	216.8	384
74	2X0.75mm²	5.7	23.2	45
75	3X0.75mm²	6.0	30.8	56
76	4X0.75mm²	6.4	38.9	67
77	5X0.75mm²	7.2	47.1	83
78	6X0.75mm²	7.9	58.2	101
79	7X0.75mm²	7.9	65.1	110
80	8X0.75mm²	8.4	73.7	123
81	10X0.75mm²	9.9	91.2	155
82	12X0.75mm²	10.4	105.9	180
83	16X0.75mm²	11.6	136.4	229
84	18X0.75mm²	12.3	151.8	257
85	20X0.75mm²	12.8	167.3	280
86	25X0.75mm²	14.3	205.6	342
87	2X1.0mm²	6.5	29.3	58
88	3X1.0mm²	6.8	39.3	72
89	4X1.0mm²	7.6	52.6	93
90	5X1.0mm²	8.2	63.6	110
91	2X1.5mm²	7.3	43.2	77
92	3X1.5mm²	7.9	58.2	101
93	4X1.5mm²	8.5	73.9	123
94	5X1.5mm²	9.5	89.9	150

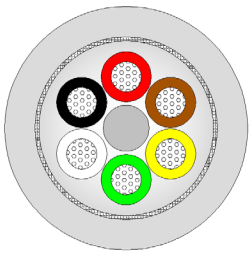
数据电缆 DATA CABLE

01

LIYCY-CY

CE 认证 PVC 护套柔性屏蔽数据电缆，芯线单独屏蔽

CE certified PVC sheathed flexible shielded data cable, core wire shielded separately



PVC 护套柔性屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- LIYCY
- Li2YCY
- LIYCY-CY
- AWM 2464-S
- AWM 2517-S
- AWM 2725-S
- AWM 20276-S
- AWM 2405-S
- AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，单独屏蔽的芯线是平行电缆之间的串音最小化，特别适合强干扰场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc. The separately shielded core wires minimize the crosstalk between parallel cables, especially suitable for strong interference occasions, and suitable for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
强干扰环境；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Strong interference environment;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类
PVC 芯线绝缘
每根芯线镀锡铜丝编织
屏蔽芯线包覆 PVC 内护套
镀锡铜丝编织屏蔽，大约 85% 覆盖率
PVC 外护套
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Each core wire is braided with tinned copper wire;
Shielded core wire wrapped with PVC inner sheath;
Tinned copper wire braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞100MΩ x km；
测试电压：1500V；
电容：约 230nF/km；
电感：约 0.3mH/km；
温度范围：
　　固定安装：−40 至+ 70℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 100MΩ x km;
Test voltage: 1500V;
Capacitance: about 230 nF/km;
Inductance: about 0.3mH/km;
Temperature range:
　　fixed installation: − 40 to+70 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	6.6	26.5	57
2	3X0.14mm²	6.9	33.6	69
3	4X0.14mm²	7.5	41.3	83
4	5X0.14mm²	8.3	49.3	101
5	6X0.14mm²	9.1	57.3	120
6	7X0.14mm²	9.1	63.3	129
7	8X0.14mm²	9.7	71.4	144
8	2X0.25mm²	7.0	29.7	64
9	3X0.25mm²	7.6	37.7	81
10	4X0.25mm²	8.2	46.5	97
11	5X0.25mm²	9.0	55.6	117
12	6X0.25mm²	9.7	64.7	134
13	7X0.25mm²	9.7	71.6	146
14	8X0.25mm²	10.6	80.7	168
15	2X0.34mm²	7.4	34.3	73
16	3X0.34mm²	7.8	44.4	90
17	4X0.34mm²	8.6	55.4	112
18	5X0.34mm²	9.3	66.5	131
19	6X0.34mm²	10.2	77.7	155
20	7X0.34mm²	10.2	86.6	169
21	8X0.34mm²	10.9	97.9	189

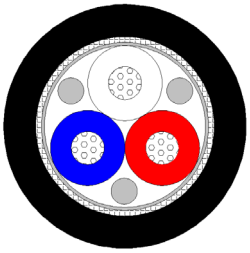
数据电缆 DATA CABLE

01

AWM 2464-S

UL/CUL 认证 PVC 护套柔性屏蔽柔数据电缆

UL/CUL certified PVC sheathed flexible shielded flexible data cable



PVC 护套柔性
屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

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应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shield is particularly suitable for applications requiring anti electromagnetic interference, suitable for fixed installation and occasional movement without forced stress and fixed direction. It is intended for export to the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2464，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2464, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.9	6.4	19
2	3X28AWG	4.0	7.5	22
3	4X28AWG	4.3	8.8	25
4	5X28AWG	4.5	10.1	28
5	6X28AWG	4.8	11.5	31
6	7X28AWG	4.8	12.3	32
7	8X28AWG	5.1	13.7	36
8	10X28AWG	5.9	16.7	45
9	12X28AWG	6.0	18.5	49
10	14X28AWG	6.3	20.5	54
11	16X28AWG	6.5	22.6	59
12	18X28AWG	6.8	24.7	63
13	20X28AWG	7.3	26.8	72
14	25X28AWG	7.9	34.9	87
15	30X28AWG	8.3	39.6	97
16	32X28AWG	8.5	41.8	102
17	36X28AWG	9.0	45.5	114
18	37X28AWG	9.0	46.3	116
19	40X28AWG	9.3	49.3	123
20	50X28AWG	10.5	59.5	151
21	2X26AWG	4.1	8.0	22
22	3X26AWG	4.3	9.7	25
23	4X26AWG	4.5	11.6	29
24	5X26AWG	4.8	13.6	33
25	6X26AWG	5.1	15.7	37
26	7X26AWG	5.1	16.9	39
27	8X26AWG	5.4	19.0	43
28	10X26AWG	6.3	23.3	55
29	12X26AWG	6.5	26.3	60
30	14X26AWG	6.7	29.5	66
31	16X26AWG	7.0	32.8	73
32	18X26AWG	7.3	38.8	82
33	20X26AWG	7.8	42.3	92
34	25X26AWG	8.5	50.8	108
35	30X26AWG	8.9	58.5	123
36	32X26AWG	9.4	61.9	133
37	36X26AWG	9.9	67.9	149
38	37X26AWG	9.9	69.2	151
39	40X26AWG	10.2	74.0	161
40	50X26AWG	11.5	90.2	197
41	2X24AWG	4.3	10.0	25
42	3X24AWG	4.5	12.4	29
43	4X24AWG	4.8	15.2	34
44	5X24AWG	5.1	18.0	39
45	6X24AWG	5.4	20.8	44
46	7X24AWG	5.4	22.9	47
47	8X24AWG	5.9	25.7	55
48	10X24AWG	6.7	31.7	66
49	12X24AWG	6.9	36.1	73
50	14X24AWG	7.4	40.9	85
51	16X24AWG	7.7	48.5	96
52	18X24AWG	8.2	53.5	108
53	20X24AWG	8.5	58.6	117
54	25X24AWG	9.3	71.0	139
55	30X24AWG	10.0	82.5	162
56	32X24AWG	10.3	87.5	171
57	36X24AWG	10.8	96.6	191
58	37X24AWG	10.8	98.6	194

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	11.1	105.7	206
60	50X24AWG	12.6	129.6	254
61	2X22AWG	4.7	13.2	30
62	3X22AWG	4.9	16.8	36
63	4X22AWG	5.2	20.8	43
64	5X22AWG	5.6	24.8	50
65	6X22AWG	6.2	28.9	59
66	7X22AWG	6.2	32.1	64
67	8X22AWG	6.6	36.2	71
68	10X22AWG	7.7	47.5	92
69	12X22AWG	7.9	54.3	103
70	14X22AWG	8.2	61.6	115
71	16X22AWG	8.8	69.0	130
72	18X22AWG	9.2	76.4	143
73	20X22AWG	9.8	83.9	159
74	25X22AWG	10.7	102.2	190
75	30X22AWG	11.4	119.5	222
76	36X22AWG	12.4	140.5	262
77	37X22AWG	12.4	143.7	267
78	40X22AWG	13.0	154.2	290
79	2X20AWG	5.3	18.0	39
80	3X20AWG	5.5	23.4	47
81	4X20AWG	6.0	29.2	57
82	5X20AWG	6.6	35.1	69
83	6X20AWG	7.1	41.1	79
84	7X20AWG	7.1	45.9	86
85	8X20AWG	7.8	54.7	103
86	10X20AWG	9.1	67.6	129
87	12X20AWG	9.3	78.0	145
88	14X20AWG	9.8	88.8	162
89	16X20AWG	10.4	99.7	185
90	18X20AWG	11.1	110.7	208
91	20X20AWG	11.8	121.8	231
92	25X20AWG	12.9	149.0	276
93	30X20AWG	13.6	174.9	317
94	37X20AWG	14.7	211.3	381
95	40X20AWG	15.4	227.1	414
96	2X18AWG	5.7	24.5	47
97	3X18AWG	6.0	32.8	59
98	4X18AWG	6.4	41.5	72
99	5X18AWG	7.2	50.3	88
100	6X18AWG	7.9	62.1	108
101	7X18AWG	7.9	69.6	119
102	8X18AWG	8.6	78.8	137
103	10X18AWG	10.1	97.7	171
104	12X18AWG	10.6	113.6	198
105	16X18AWG	11.8	146.7	253
106	18X18AWG	12.3	163.5	278
107	20X18AWG	12.8	180.2	303
108	25X18AWG	14.3	221.7	372
109	2X16AWG	7.3	35.8	74
110	3X16AWG	7.7	51.2	96
111	4X16AWG	8.3	64.7	117
112	5X16AWG	9.2	78.4	142
113	2X14AWG	8.1	54.2	99
114	3X14AWG	8.5	74.0	126
115	4X14AWG	9.5	94.6	161
116	5X14AWG	10.5	115.4	196

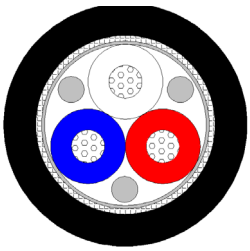
数据电缆 DATA CABLE

01

AWM 2517-S

UL/CUL 认证 耐热 PVC 护套柔性屏蔽柔数据电缆

UL/CUL certified heat-resistant PVC sheathed flexible shielded flexible data cable



PVC 护套柔性
屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

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应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shield is particularly suitable for applications requiring anti electromagnetic interference, suitable for fixed installation and occasional movement without forced stress and fixed direction. It is intended for export to the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
良好的耐热，抗老化性能；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
Good heat resistance and aging resistance;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2517，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2517, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
耐高温 PVC/ 耐高温 TPE 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
耐热 PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
High temperature resistant PVC/TPE core wire insulation material is optional;
Wrapping of aluminum plastic composite film
Tinned copper wire braided shield, about 80% coverage;
Heat resistant PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 105℃；
　　移动安装：-5 至+ 105℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+105 ℃ ;
　　Moved installation: - 5 to+105 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	4.5	7.9	24
2	3X28AWG	4.7	9.1	28
3	4X28AWG	5.0	10.6	32
4	5X28AWG	5.3	12.1	36
5	6X28AWG	5.7	13.8	41
6	7X28AWG	5.7	14.5	43
7	8X28AWG	6.3	16.1	50
8	10X28AWG	7.1	19.6	60
9	12X28AWG	7.5	24.2	72
10	14X28AWG	7.8	26.6	79
11	16X28AWG	8.1	29.1	86
12	18X28AWG	8.5	31.6	93
13	20X28AWG	9.1	34.1	105
14	25X28AWG	9.9	40.2	122
15	30X28AWG	10.6	45.3	142
16	32X28AWG	10.9	47.8	150
17	36X28AWG	11.5	51.8	167
18	37X28AWG	11.5	52.5	169
19	40X28AWG	12.1	55.8	185
20	50X28AWG	13.4	67.0	220
21	2X26AWG	4.7	9.5	27
22	3X26AWG	4.9	11.3	31
23	4X26AWG	5.2	13.4	36
24	5X26AWG	5.6	15.6	42
25	6X26AWG	6.2	17.9	50
26	7X26AWG	6.2	19.2	53
27	8X26AWG	6.6	21.4	59
28	10X26AWG	7.7	29.1	77
29	12X26AWG	7.9	32.2	84
30	14X26AWG	8.2	35.8	93
31	16X26AWG	8.6	39.5	102
32	18X26AWG	9.2	43.2	115
33	20X26AWG	9.6	47.0	124
34	25X26AWG	10.7	56.1	151
35	30X26AWG	11.4	64.2	176
36	32X26AWG	12.0	67.9	191
37	36X26AWG	12.4	74.2	206
38	37X26AWG	12.4	75.5	209
39	40X26AWG	12.8	80.5	222
40	2X24AWG	5.0	11.7	31
41	3X24AWG	5.2	14.3	37
42	4X24AWG	5.6	17.3	43
43	5X24AWG	6.0	20.3	50
44	6X24AWG	6.7	23.4	59
45	7X24AWG	6.7	25.4	64
46	8X24AWG	7.3	28.6	74
47	10X24AWG	8.3	38.2	92
48	12X24AWG	8.5	42.9	102
49	14X24AWG	9.1	48.1	117
50	16X24AWG	9.5	53.4	129
51	18X24AWG	10.2	58.7	145
52	20X24AWG	10.6	64.1	157
53	25X24AWG	11.8	77.2	191

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
54	30X24AWG	12.6	89.1	223
55	2X22AWG	5.3	14.7	36
56	3X22AWG	5.5	18.4	43
57	4X22AWG	6.0	22.6	51
58	5X22AWG	6.6	26.8	62
59	6X22AWG	7.1	31.2	71
60	7X22AWG	7.1	34.3	77
61	8X22AWG	7.6	41.5	88
62	10X22AWG	8.9	51.0	111
63	12X22AWG	9.3	58.0	128
64	14X22AWG	9.8	65.6	143
65	16X22AWG	10.4	73.2	162
66	18X22AWG	11.1	80.9	182
67	20X22AWG	11.8	88.6	203
68	25X22AWG	12.9	107.5	241
69	2X20AWG	5.6	18.7	42
70	3X20AWG	5.9	24.2	51
71	4X20AWG	6.3	30.1	61
72	5X20AWG	7.0	36.1	75
73	6X20AWG	7.6	45.1	89
74	7X20AWG	7.6	49.8	96
75	8X20AWG	8.3	56.2	111
76	10X20AWG	9.7	69.4	140
77	12X20AWG	10.0	79.8	157
78	14X20AWG	10.6	90.8	181
79	16X20AWG	11.3	101.8	205
80	18X20AWG	12.1	112.9	230
81	20X20AWG	12.6	124.1	250
82	25X20AWG	14.0	151.7	305
83	30X20AWG	14.7	177.8	350
84	37X20AWG	16.0	214.4	420
85	40X20AWG	16.5	230.4	448
86	2X18AWG	6.2	25.8	53
87	3X18AWG	6.5	34.1	66
88	4X18AWG	7.3	45.6	86
89	5X18AWG	7.8	54.9	101
90	6X18AWG	8.7	64.3	121
91	7X18AWG	8.7	71.9	132
92	8X18AWG	9.5	81.3	152
93	10X18AWG	11.1	100.6	191
94	12X18AWG	11.6	116.7	221
95	16X18AWG	12.9	150.2	281
96	18X18AWG	13.6	167.2	309
97	20X18AWG	14.4	184.1	344
98	25X18AWG	15.8	226.1	414
99	2X16AWG	7.1	35.8	71
100	3X16AWG	7.5	51.2	92
101	4X16AWG	8.3	64.7	117
102	5X16AWG	9.2	78.4	142
103	2X14AWG	7.9	54.2	95
104	3X14AWG	8.5	74.0	126
105	4X14AWG	9.5	94.6	161
106	5X14AWG	10.5	115.4	196

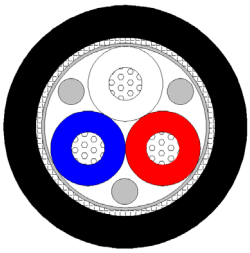
数据电缆 DATA CABLE

01

AWM 2725-S

UL/CUL 认证 PVC 护套柔性屏蔽数据电缆，30V 超细外径

UL/CUL certified PVC sheathed flexible shielded data cable, 30V, ultra-fine outer diameter



PVC 护套柔性
屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- LIYCY
- Li2YCY
- LIYCY-CY
- AWM 2464-S
- AWM 2517-S
- AWM 2725-S
- AWM 20276-S
- AWM 2405-S
- AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，专为狭小空间下传输测量和控制信号而设计，针对出口到应用 UL/CSA 认证电缆的北美市场。

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，适合狭小空间；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2725，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：符合国际色规；
额定电压：30V；
绝缘电阻：＞ 20MΩ x km；
测试电压：500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference. It is designed for transmission of measurement and control signals in narrow spaces. It is targeted at the North American market where UL/CSA certified cables are applied.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
The outer diameter of the cable is small, suitable for narrow space;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2725, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 30V;
Insulation resistance: > 20M Ω x km;
Test voltage: 500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.7	6.4	18
2	3X28AWG	3.8	7.5	24
3	4X28AWG	4.1	8.8	27
4	5X28AWG	4.3	10.1	31
5	6X28AWG	4.8	11.5	37
6	7X28AWG	4.8	12.3	38
7	8X28AWG	5.1	13.7	42
8	10X28AWG	5.7	16.7	53
9	12X28AWG	5.8	18.5	56
10	14X28AWG	6.1	20.5	61
11	16X28AWG	6.5	22.6	69
12	18X28AWG	6.8	24.7	75
13	20X28AWG	7.1	26.8	82
14	25X28AWG	7.9	34.9	103
15	30X28AWG	8.3	39.6	114
16	32X28AWG	8.5	41.8	121
17	36X28AWG	9.0	45.5	134
18	37X28AWG	9.0	46.3	134
19	40X28AWG	9.3	49.3	143
20	50X28AWG	10.5	59.5	179
21	2X26AWG	3.9	8.0	25
22	3X26AWG	4.1	9.7	28
23	4X26AWG	4.3	11.6	32
24	5X26AWG	4.8	13.6	39
25	6X26AWG	5.1	15.7	44
26	7X26AWG	5.1	16.9	45
27	8X26AWG	5.4	19.0	51
28	10X26AWG	6.1	23.3	64
29	12X26AWG	6.5	26.3	71
30	14X26AWG	6.7	29.5	78
31	16X26AWG	7.0	32.8	85
32	18X26AWG	7.3	38.8	96
33	20X26AWG	7.8	42.3	108
34	25X26AWG	8.5	50.8	128
35	30X26AWG	8.9	58.5	143
36	32X26AWG	9.4	61.9	156
37	36X26AWG	9.7	67.9	168
38	37X26AWG	9.7	69.2	169
39	40X26AWG	10.2	74.0	184
40	50X26AWG	11.5	90.2	231
41	2X24AWG	4.1	10.0	28
42	3X24AWG	4.3	12.4	32
43	4X24AWG	4.6	15.2	38
44	5X24AWG	5.1	18.0	46
45	6X24AWG	5.4	20.8	52
46	7X24AWG	5.4	22.9	54
47	8X24AWG	5.7	25.7	61
48	10X24AWG	6.7	31.7	80
49	12X24AWG	6.9	36.1	86
50	14X24AWG	7.2	40.9	95
51	16X24AWG	7.5	48.5	107
52	18X24AWG	8.0	53.5	121
53	20X24AWG	8.3	58.6	131
54	25X24AWG	9.3	71.0	161
55	30X24AWG	9.8	82.5	181
56	32X24AWG	10.1	87.5	193
57	36X24AWG	10.6	96.6	213
58	37X24AWG	10.6	98.6	215

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.9	105.7	229
60	50X24AWG	12.6	129.6	293
61	2X22AWG	4.5	13.2	35
62	3X22AWG	4.7	16.8	41
63	4X22AWG	5.0	20.8	48
64	5X22AWG	5.4	24.8	56
65	6X22AWG	5.8	28.9	64
66	7X22AWG	5.8	32.1	67
67	8X22AWG	6.4	36.2	79
68	10X22AWG	7.5	47.5	107
69	12X22AWG	7.9	54.3	120
70	14X22AWG	8.2	61.6	132
71	16X22AWG	8.6	69.0	145
72	18X22AWG	9.2	76.4	164
73	20X22AWG	9.6	83.9	179
74	25X22AWG	10.7	102.2	220
75	30X22AWG	11.4	119.5	254
76	36X22AWG	12.4	140.5	298
77	37X22AWG	12.4	143.7	300
78	40X22AWG	12.8	154.2	321
79	2X20AWG	5.3	18.0	48
80	3X20AWG	5.5	23.4	56
81	4X20AWG	6.0	29.2	67
82	5X20AWG	6.4	35.1	78
83	6X20AWG	7.1	41.1	94
84	7X20AWG	7.1	45.9	98
85	8X20AWG	7.6	54.7	114
86	10X20AWG	8.9	67.6	150
87	12X20AWG	9.3	78.0	168
88	14X20AWG	9.8	88.8	187
89	16X20AWG	10.4	99.7	211
90	18X20AWG	11.1	110.7	237
91	20X20AWG	11.6	121.8	260
92	25X20AWG	12.9	149.0	320
93	30X20AWG	13.6	174.9	362
94	37X20AWG	14.7	211.3	429
95	40X20AWG	15.2	227.1	459
96	2X18AWG	5.7	24.5	59
97	3X18AWG	6.0	32.8	70
98	4X18AWG	6.4	41.5	84
99	5X18AWG	7.0	50.3	99
100	6X18AWG	7.7	62.1	122
101	7X18AWG	7.7	69.6	129
102	8X18AWG	8.4	78.8	151
103	10X18AWG	9.9	97.7	197
104	12X18AWG	10.4	113.6	222
105	16X18AWG	11.6	146.7	280
106	18X18AWG	12.3	163.5	314
107	20X18AWG	12.8	180.2	344
108	25X18AWG	14.3	221.7	425
109	2X16AWG	6.4	34.5	77
110	3X16AWG	6.9	47.1	96
111	4X16AWG	7.5	62.9	119
112	5X16AWG	8.3	76.4	146
113	2X14AWG	7.4	52.8	109
114	3X14AWG	8.0	72.4	136
115	4X14AWG	8.7	92.8	166
116	5X14AWG	9.6	113.4	203

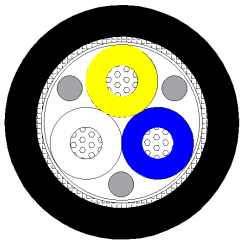
数据电缆 DATA CABLE

01

AWM 20276-S

UL/CUL 认证 PVC 护套柔性屏蔽数据电缆，30V 超细外径

UL/CUL certified PVC sheathed flexible shielded data cable, 30V, ultra-fine outer diameter



PVC 护套柔性屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

LIYCY

Li2YCY

LIYCY-CY

AWM 2464-S

AWM 2517-S

AWM 2725-S

AWM 20276-S

AWM 2405-S

AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，专为狭小空间下传输测量和控制信号而设计，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference. It is designed for transmission of measurement and control signals in narrow spaces. It is targeted at the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，适合狭小空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
The outer diameter of the cable is small, suitable for narrow space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20276，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20276, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：30V；
绝缘电阻：> 20MΩ x km；
测试电压：500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 30V;
Insulation resistance: > 20M Ω x km;
Test voltage: 500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.7	6.4	18
2	3X28AWG	3.8	7.5	24
3	4X28AWG	4.1	8.8	27
4	5X28AWG	4.3	10.1	31
5	6X28AWG	4.8	11.5	37
6	7X28AWG	4.8	12.3	38
7	8X28AWG	5.1	13.7	42
8	10X28AWG	5.7	16.7	53
9	12X28AWG	5.8	18.5	56
10	14X28AWG	6.1	20.5	61
11	16X28AWG	6.5	22.6	69
12	18X28AWG	6.8	24.7	75
13	20X28AWG	7.1	26.8	82
14	25X28AWG	7.9	34.9	103
15	30X28AWG	8.3	39.6	114
16	32X28AWG	8.5	41.8	121
17	36X28AWG	9.0	45.5	134
18	37X28AWG	9.0	46.3	134
19	40X28AWG	9.3	49.3	143
20	50X28AWG	10.5	59.5	179
21	2X26AWG	3.9	8.0	25
22	3X26AWG	4.1	9.7	28
23	4X26AWG	4.3	11.6	32
24	5X26AWG	4.8	13.6	39
25	6X26AWG	5.1	15.7	44
26	7X26AWG	5.1	16.9	45
27	8X26AWG	5.4	19.0	51
28	10X26AWG	6.1	23.3	64
29	12X26AWG	6.5	26.3	71
30	14X26AWG	6.7	29.5	78
31	16X26AWG	7.0	32.8	85
32	18X26AWG	7.3	38.8	96
33	20X26AWG	7.8	42.3	108
34	25X26AWG	8.5	50.8	128
35	30X26AWG	8.9	58.5	143
36	32X26AWG	9.4	61.9	156
37	36X26AWG	9.7	67.9	168
38	37X26AWG	9.7	69.2	169
39	40X26AWG	10.2	74.0	184
40	50X26AWG	11.5	90.2	231
41	2X24AWG	4.1	10.0	28
42	3X24AWG	4.3	12.4	32
43	4X24AWG	4.6	15.2	38
44	5X24AWG	5.1	18.0	46
45	6X24AWG	5.4	20.8	52
46	7X24AWG	5.4	22.9	54
47	8X24AWG	5.7	25.7	61
48	10X24AWG	6.7	31.7	80
49	12X24AWG	6.9	36.1	86
50	14X24AWG	7.2	40.9	95
51	16X24AWG	7.5	48.5	107
52	18X24AWG	8.0	53.5	121
53	20X24AWG	8.3	58.6	131
54	25X24AWG	9.3	71.0	161
55	30X24AWG	9.8	82.5	181
56	32X24AWG	10.1	87.5	193
57	36X24AWG	10.6	96.6	213
58	37X24AWG	10.6	98.6	215

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.9	105.7	229
60	50X24AWG	12.6	129.6	293
61	2X22AWG	4.5	13.2	35
62	3X22AWG	4.7	16.8	41
63	4X22AWG	5.0	20.8	48
64	5X22AWG	5.4	24.8	56
65	6X22AWG	5.8	28.9	64
66	7X22AWG	5.8	32.1	67
67	8X22AWG	6.4	36.2	79
68	10X22AWG	7.5	47.5	107
69	12X22AWG	7.9	54.3	120
70	14X22AWG	8.2	61.6	132
71	16X22AWG	8.6	69.0	145
72	18X22AWG	9.2	76.4	164
73	20X22AWG	9.6	83.9	179
74	25X22AWG	10.7	102.2	220
75	30X22AWG	11.4	119.5	254
76	36X22AWG	12.4	140.5	298
77	37X22AWG	12.4	143.7	300
78	40X22AWG	12.8	154.2	321
79	2X20AWG	5.3	18.0	48
80	3X20AWG	5.5	23.4	56
81	4X20AWG	6.0	29.2	67
82	5X20AWG	6.4	35.1	78
83	6X20AWG	7.1	41.1	94
84	7X20AWG	7.1	45.9	98
85	8X20AWG	7.6	54.7	114
86	10X20AWG	8.9	67.6	150
87	12X20AWG	9.3	78.0	168
88	14X20AWG	9.8	88.8	187
89	16X20AWG	10.4	99.7	211
90	18X20AWG	11.1	110.7	237
91	20X20AWG	11.6	121.8	260
92	25X20AWG	12.9	149.0	320
93	30X20AWG	13.6	174.9	362
94	37X20AWG	14.7	211.3	429
95	40X20AWG	15.2	227.1	459
96	2X18AWG	5.7	24.5	59
97	3X18AWG	6.0	32.8	70
98	4X18AWG	6.4	41.5	84
99	5X18AWG	7.0	50.3	99
100	6X18AWG	7.7	62.1	122
101	7X18AWG	7.7	69.6	129
102	8X18AWG	8.4	78.8	151
103	10X18AWG	9.9	97.7	197
104	12X18AWG	10.4	113.6	222
105	16X18AWG	11.6	146.7	280
106	18X18AWG	12.3	163.5	314
107	20X18AWG	12.8	180.2	344
108	25X18AWG	14.3	221.7	425
109	2X16AWG	6.4	34.5	77
110	3X16AWG	6.9	47.1	96
111	4X16AWG	7.5	62.9	119
112	5X16AWG	8.3	76.4	146
113	2X14AWG	7.4	52.8	109
114	3X14AWG	8.0	72.4	136
115	4X14AWG	8.7	92.8	166
116	5X14AWG	9.6	113.4	203

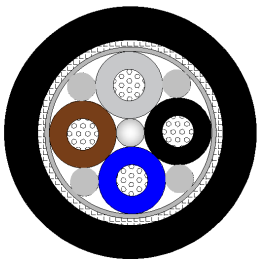
数据电缆 DATA CABLE

01

AWM 2405-S

UL/CUL 认证 PVC 绝缘 PVC 护套柔性屏蔽数据电缆

UL/CUL certified PVC insulated and PVC sheathed flexible shielded data cable



PVC 护套柔性
屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYCY
- Li2YCY
- LIYCY-CY
- AWM 2464-S
- AWM 2517-S
- AWM 2725-S
- AWM 20276-S
- AWM 2405-S
- AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications requiring anti-electromagnetic interference. They are suitable for fixed installation as well as occasional movement without forced stress or fixed direction, and are intended for the North American market where UL/CSA certified cables are required for export.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
良好的耐热，抗老化性能；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1;
Suitable for electromagnetic compatibility (EMC) occasions;
Excellent heat resistance and anti-aging performance;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2405，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2405, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
PVC core insulation;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shielding, approximately 80% coverage;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: −40 to +80℃ ;
　　mobile installation: −5 to +80℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	4.5	7.9	24
2	3X28AWG	4.7	9.1	28
3	4X28AWG	5.0	10.6	32
4	5X28AWG	5.3	12.1	36
5	6X28AWG	5.7	13.8	41
6	2X26AWG	4.7	9.5	27
7	3X26AWG	4.9	11.3	31
8	4X26AWG	5.2	13.4	36
9	5X26AWG	5.6	15.6	42
10	6X26AWG	6.2	17.9	50
11	2X24AWG	5.0	11.7	31
12	3X24AWG	5.2	14.3	37
13	4X24AWG	5.6	17.3	43
14	5X24AWG	6.0	20.3	50
15	6X24AWG	6.7	23.4	59
16	2X22AWG	5.3	14.7	36
17	3X22AWG	5.5	18.4	43

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
18	4X22AWG	6.0	22.6	51
19	5X22AWG	6.6	26.8	62
20	6X22AWG	7.1	31.2	71
21	2X20AWG	5.6	18.7	42
22	3X20AWG	5.9	24.2	51
23	4X20AWG	6.3	30.1	61
24	5X20AWG	7.0	36.1	75
25	6X20AWG	7.6	45.1	89
26	2X18AWG	6.2	25.8	53
27	3X18AWG	6.5	34.1	66
28	4X18AWG	7.3	45.6	86
29	5X18AWG	7.8	54.9	101
30	6X18AWG	8.7	64.3	121
31	2X16AWG	7.1	35.8	71
32	3X16AWG	7.5	51.2	92
33	4X16AWG	8.3	64.7	117
34	5X16AWG	9.2	78.4	142

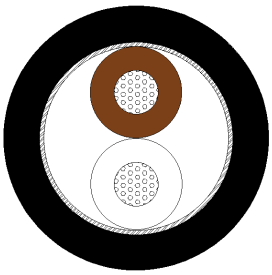
数据电缆 DATA CABLE

01

AWM 2547-S

UL/CUL 认证 PVC 绝缘 PVC 护套柔性屏蔽数据电缆

UL/CUL certified PVC insulated and PVC sheathed flexible shielded data cable



PVC 护套柔性
屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE
DATA TRANSMISSION CABLE

- LIYCY
- Li2YCY
- LIYCY-CY
- AWM 2464-S
- AWM 2517-S
- AWM 2725-S
- AWM 20276-S
- AWM 2405-S
- AWM 2547-S



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications requiring anti-electromagnetic interference. They are suitable for fixed installation as well as occasional movement without forced stress or fixed direction, and are intended for the North American market where UL/CSA certified cables are required for export.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1;
Suitable for electromagnetic compatibility (EMC) occasions;
Small cable outer diameter, saving installation space;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2547，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2547, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织或缠绕屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
SR-PVC core insulation;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided or wrapped shielding, approximately 80% coverage;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: Approximately 120nF/km;
Inductance: Approximately 0.65mH/km;
Temperature range:
　　Fixed installation: −40 to +80℃ ;
　　Mobile installation: −5 to +80℃ .
Minimum bending radius:
　　Fixed installation: 7.5X cable diameter;
　　Occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.0	6	15
2	3X28AWG	3.1	7	17
3	2X26AWG	3.2	7	17
4	3X26AWG	3.4	9	20
5	2X24AWG	3.4	9	19
6	3X24AWG	3.6	12	23
7	2X22AWG	3.8	13	25
8	3X22AWG	4.0	16	30
9	2X20AWG	4.8	17	37
10	3X20AWG	5.0	23	45
11	2X18AWG	5.2	24	46
12	3X18AWG	5.5	32	57
13	2X16AWG	5.8	34	60
14	3X16AWG	6.1	46	76

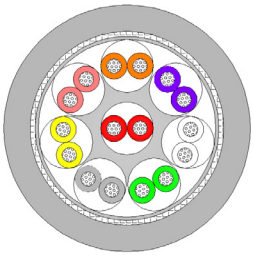
数据电缆 DATA CABLE

01

LIYCY-TP

CE 认证 PVC 护套柔性对绞屏蔽数据电缆

CE certified PVC sheathed flexible twisted pair shielded data cable



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

- LIYCY-TP
- Li2YCY-TP
- Li2YCY PiMF
- AWM 2464-SP
- AWM 2517-SP
- AWM 2725-SP
- AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional operation without forced stress and fixed direction.

产品特性

柔性，易弯曲；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core twisted pair;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance:
　　wire core/wire core: about 120nF/km;
　　Core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	24
2	2X2X0.14mm²	5.8	14.7	40
3	3X2X0.14mm²	6.4	18.4	50
4	4X2X0.14mm²	6.9	22.3	59
5	5X2X0.14mm²	7.4	26.3	67
6	6X2X0.14mm²	7.9	27.8	69
7	7X2X0.14mm²	7.9	30.6	74
8	8X2X0.14mm²	8.7	40.4	98
9	10X2X0.14mm²	10.2	49.6	123
10	12X2X0.14mm²	10.6	55.9	140
11	16X2X0.14mm²	11.8	69.8	175
12	20X2X0.14mm²	12.9	84.0	205
13	25X2X0.14mm²	14.4	101.4	249
14	1X2X0.25mm²	4.7	11.5	29
15	2X2X0.25mm²	6.5	19.9	49
16	3X2X0.25mm²	7.1	25.5	63
17	4X2X0.25mm²	7.7	34.2	78
18	5X2X0.25mm²	8.5	40.6	94
19	6X2X0.25mm²	9.3	47.0	111
20	7X2X0.25mm²	9.3	51.6	119
21	8X2X0.25mm²	10.2	58.0	136
22	10X2X0.25mm²	11.7	71.5	165
23	12X2X0.25mm²	12.2	81.6	189
24	16X2X0.25mm²	11.4	103.2	175
25	20X2X0.25mm²	14.9	125.2	281
26	25X2X0.25mm²	16.6	152.3	342
27	1X2X0.34mm²	4.9	13.6	32
28	2X2X0.34mm²	7.0	23.9	58
29	3X2X0.34mm²	7.5	34.0	74

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	89
31	5X2X0.34mm²	8.9	50.0	107
32	6X2X0.34mm²	9.8	58.2	127
33	7X2X0.34mm²	9.8	64.4	137
34	8X2X0.34mm²	10.7	72.6	157
35	10X2X0.34mm²	12.5	89.7	197
36	12X2X0.34mm²	12.9	103.1	220
37	16X2X0.34mm²	14.4	131.4	277
38	1X2X0.5mm²	5.3	17.5	38
39	2X2X0.5mm²	7.6	34.1	73
40	3X2X0.5mm²	8.2	44.8	91
41	4X2X0.5mm²	9.1	55.9	114
42	5X2X0.5mm²	10.0	67.2	138
43	6X2X0.5mm²	11.0	60.5	136
44	7X2X0.5mm²	11.0	69.6	150
45	8X2X0.5mm²	12.0	99.2	203
46	10X2X0.5mm²	14.1	122.8	254
47	12X2X0.5mm²	14.5	142.1	285
48	16X2X0.5mm²	16.1	182.7	361
49	1X2X0.75mm²	5.9	23.2	49
50	2X2X0.75mm²	8.3	45.5	89
51	3X2X0.75mm²	9.1	61.2	117
52	4X2X0.75mm²	10.1	77.3	147
53	5X2X0.75mm²	11.1	93.6	179
54	6X2X0.75mm²	12.2	110.1	211
55	1X2X1.0mm²	6.5	29.3	60
56	2X2X1.0mm²	9.6	57.5	118
57	3X2X1.0mm²	10.6	78.2	155
58	4X2X1.0mm²	11.5	99.3	189

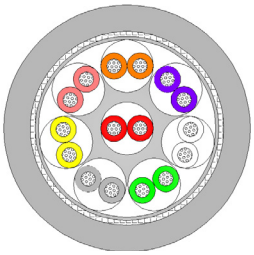
数据电缆 DATA CABLE

01

Li2YCY-TP

CE 认证 低电容 PVC 护套对绞屏蔽柔性数据电缆

CE certified low capacitance PVC sheathed twisted pair shielded flexible data cable



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

LIYCY-TP

Li2YCY-TP

Li2YCY PiMF

AWM 2464-SP

AWM 2517-SP

AWM 2725-SP

AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，适用于 RS422 和 RS485 系列接口。

产品特性

柔性，易弯曲；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
低电容数据电缆；
阻燃性符合 IEC60332-1-2；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional operation without forced stress and fixed direction, and for RS422 and RS485 series interfaces.

Product characteristics

Flexible, easy to bend;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Low capacitance data cable;
Flame retardancy conform to IEC60332-1-2;
Good peeling property;
Occasional movement.

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Polyethylene (PE) core wire insulation;
Core twisted pair;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	23
2	2X2X0.14mm²	5.8	14.7	38
3	3X2X0.14mm²	6.4	18.4	48
4	4X2X0.14mm²	6.9	22.3	56
5	5X2X0.14mm²	7.4	26.3	65
6	6X2X0.14mm²	7.9	27.8	67
7	7X2X0.14mm²	7.9	30.6	71
8	8X2X0.14mm²	8.7	40.4	93
9	10X2X0.14mm²	10.2	49.6	117
10	12X2X0.14mm²	10.6	55.9	133
11	16X2X0.14mm²	11.8	69.8	165
12	20X2X0.14mm²	12.9	84.0	194
13	25X2X0.14mm²	14.4	101.4	235
14	1X2X0.25mm²	4.7	11.5	28
15	2X2X0.25mm²	6.5	19.9	48
16	3X2X0.25mm²	7.1	25.5	61
17	4X2X0.25mm²	7.7	34.2	74
18	5X2X0.25mm²	8.5	40.6	90
19	6X2X0.25mm²	9.3	47.0	106
20	7X2X0.25mm²	9.3	51.6	113
21	8X2X0.25mm²	10.2	58.0	130
22	10X2X0.25mm²	11.7	71.5	157
23	12X2X0.25mm²	12.2	81.6	180
24	16X2X0.25mm²	11.4	103.2	162
25	20X2X0.25mm²	14.9	125.2	266
26	25X2X0.25mm²	16.6	152.3	323
27	1X2X0.34mm²	4.9	13.6	31
28	2X2X0.34mm²	7.0	23.9	57
29	3X2X0.34mm²	7.5	34.0	72

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	85
31	5X2X0.34mm²	8.9	50.0	103
32	6X2X0.34mm²	9.8	58.2	122
33	7X2X0.34mm²	9.8	64.4	131
34	8X2X0.34mm²	10.7	72.6	150
35	10X2X0.34mm²	12.5	89.7	188
36	12X2X0.34mm²	12.9	103.1	209
37	16X2X0.34mm²	14.4	131.4	263
38	1X2X0.5mm²	5.3	17.5	37
39	2X2X0.5mm²	7.6	34.1	71
40	3X2X0.5mm²	8.2	44.8	88
41	4X2X0.5mm²	9.1	55.9	110
42	5X2X0.5mm²	10.0	67.2	133
43	6X2X0.5mm²	11.0	60.5	132
44	7X2X0.5mm²	11.0	69.6	144
45	8X2X0.5mm²	12.0	99.2	194
46	10X2X0.5mm²	14.1	122.8	243
47	12X2X0.5mm²	14.5	142.1	272
48	16X2X0.5mm²	16.1	182.7	343
49	1X2X0.75mm²	5.9	23.2	48
50	2X2X0.75mm²	8.3	45.5	87
51	3X2X0.75mm²	9.1	61.2	113
52	4X2X0.75mm²	10.1	77.3	142
53	5X2X0.75mm²	11.1	93.6	172
54	6X2X0.75mm²	12.2	110.1	203
55	1X2X1.0mm²	6.5	29.3	58
56	2X2X1.0mm²	9.6	57.5	115
57	3X2X1.0mm²	10.6	78.2	150
58	4X2X1.0mm²	11.5	99.3	182

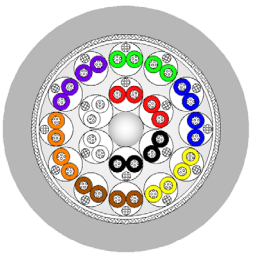
数据电缆 DATA CABLE

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Li2YCY PiMF

CE 认证 低电容 PVC 护套柔性对绞分屏 + 总屏数据电缆

CE certified low capacitance PVC sheathed flexible pair split screen + collective screen data cable



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

- LIYCY-TP
- Li2YCY-TP
- Li2YCY PiMF
- AWM 2464-SP
- AWM 2517-SP
- AWM 2725-SP
- AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，线对单独屏蔽加整体镀锡铜丝屏蔽层大幅度减少电子干扰，满足客户对于近端串音减弱和抗电子干扰性能越发严格的要求。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc. The separate shielding of wire pairs plus the overall tinned copper wire shielding layer can greatly reduce electronic interference and meet customers' increasingly stringent requirements for near end crosstalk reduction and electronic interference resistance.

产品特性

对绞结构可使电路去耦（串音效果）；
线对单独屏蔽；
电磁兼容 EMC 场合；
低电容数据电缆；
有效防护电场造成的电容影响；
阻燃性符合 IEC60332-1-2；
良好的剥离性。

Product characteristics

The twisted pair structure can decouple the circuit (crosstalk effect);
Wire pair shielded separately;
EMC occasions;
Low capacitance data cable;
Effectively protect the capacitance impact caused by electric field;
Flame retardancy conform to IEC60332-1-2;
Good peeling property.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

7 根（0.34mm² 以下）或多股束绞裸铜丝；
聚乙烯（PE）芯线绝缘；
芯线绞合成对；
线对加排流线后用铝塑复合带包裹；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

7 pcs. (Less than 0.34mm²) or stranded bare copper wire;
Polyethylene (PE) core wire insulation;
Core twisted pair;
Wrap the line pair with aluminum plastic composite tape after adding drain line;
Tinned copper wire braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 100MΩ x km；
测试电压：1500V；
电容：
≤ 0.34mm² 最大 70nF/km；
0.5mm² 最大 75nF/km；
1.0mm² 最大 85nF/km。
电感：约 0.65mH/km；
温度范围：
固定安装：−40 至+ 70℃；
移动安装：−5 至+ 70℃。
最小弯曲半径：
固定安装：10X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance:
≤ 0.34mm² Maximum 70nF/km;
0.5mm² Maximum 75nF/km;
1.0mm² Maximum 85nF/km.
Inductance: about 0.65mH/km;
Temperature range:
fixed installation: − 40 to+70 ℃ ;
Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 10X cable diameter;
occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X2X0.22mm²	7.5	28.5	67
2	3X2X0.22mm²	7.9	36.1	80
3	4X2X0.22mm²	8.7	44.3	99
4	5X2X0.22mm²	9.4	52.7	114
5	6X2X0.22mm²	10.3	61.2	134
6	8X2X0.22mm²	11.0	76.0	160
7	10X2X0.22mm²	12.9	93.7	200
8	2X2X0.34mm²	7.8	36.6	77
9	3X2X0.34mm²	8.3	47.7	94
10	4X2X0.34mm²	9.2	59.5	117
11	5X2X0.34mm²	10.1	71.5	141
12	6X2X0.34mm²	10.8	83.7	161
13	8X2X0.34mm²	11.8	105.5	200
14	10X2X0.34mm²	13.6	130.5	243

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
15	2X2X0.5mm²	8.6	48.0	94
16	3X2X0.5mm²	9.3	63.8	121
17	4X2X0.5mm²	10.2	80.5	150
18	5X2X0.5mm²	11.3	97.3	181
19	6X2X0.5mm²	12.1	86.1	171
20	8X2X0.5mm²	13.0	145.5	254
21	10X2X0.5mm²	15.4	180.5	324
22	2X2X0.75mm²	9.5	60.2	115
23	3X2X0.75mm²	10.3	81.1	149
24	4X2X0.75mm²	11.3	102.9	186
25	2X2X1.0mm²	11.0	73.2	147
26	3X2X1.0mm²	11.6	99.2	184
27	4X2X1.0mm²	12.6	126.3	223

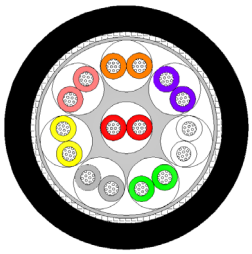
数据电缆 DATA CABLE

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AWM 2464-SP

UL/CUL 认证 PVC 护套柔性对绞屏蔽柔数据电缆

UL/CUL certified PVC sheathed flexible twisted pair shielded flexible data cable



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

- LIYCY-TP
- Li2YCY-TP
- Li2YCY PiMF
- AWM 2464-SP
- AWM 2517-SP
- AWM 2725-SP
- AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shield is particularly suitable for applications requiring anti electromagnetic interference, suitable for fixed installation and occasional movement without forced stress and fixed direction. It is intended for export to the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2464，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2464, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Core twisted pair;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.9	6.4	19
2	2X2X28AWG	5.2	10.5	31
3	3X2X28AWG	5.7	12.8	39
4	4X2X28AWG	6.1	15.2	45
5	5X2X28AWG	6.5	17.7	51
6	6X2X28AWG	7.0	17.3	51
7	7X2X28AWG	7.0	18.8	54
8	8X2X28AWG	7.6	24.2	70
9	10X2X28AWG	8.8	32.9	91
10	12X2X28AWG	9.3	36.4	104
11	16X2X28AWG	10.3	44.7	128
12	20X2X28AWG	11.2	53.1	149
13	25X2X28AWG	12.4	63.5	180
14	1X2X26AWG	4.1	8.1	22
15	2X2X26AWG	5.5	13.6	36
16	3X2X26AWG	6.1	17.0	46
17	4X2X26AWG	6.5	20.7	53
18	5X2X26AWG	7.0	24.4	61
19	6X2X26AWG	7.5	25.7	63
20	7X2X26AWG	7.5	28.3	67
21	8X2X26AWG	8.2	37.5	88
22	10X2X26AWG	9.5	46.1	111
23	12X2X26AWG	10.0	52.0	126
24	16X2X26AWG	11.1	65.0	157
25	20X2X26AWG	12.1	78.3	185
26	25X2X26AWG	13.4	94.6	224
27	1X2X24AWG	4.3	10.0	25
28	2X2X24AWG	5.8	17.3	42
29	3X2X24AWG	6.4	22.3	54
30	4X2X24AWG	6.9	27.6	63
31	5X2X24AWG	7.6	32.9	76
32	6X2X24AWG	8.3	41.2	93
33	7X2X24AWG	8.3	45.3	100

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	9.1	51.0	115
35	10X2X24AWG	10.4	62.8	138
36	12X2X24AWG	10.8	71.8	158
37	16X2X24AWG	9.8	90.9	143
38	20X2X24AWG	13.1	110.4	233
39	25X2X24AWG	14.6	134.4	284
40	1X2X22AWG	4.7	13.2	30
41	2X2X22AWG	6.7	23.3	55
42	3X2X22AWG	7.1	30.7	67
43	4X2X22AWG	7.9	41.2	87
44	5X2X22AWG	8.5	49.2	101
45	6X2X22AWG	9.3	57.4	120
46	7X2X22AWG	9.3	63.7	129
47	8X2X22AWG	10.2	71.9	148
48	10X2X22AWG	11.9	88.9	185
49	12X2X22AWG	12.2	102.4	207
50	16X2X22AWG	13.6	130.9	261
51	1X2X20AWG	5.3	18.0	39
52	2X2X20AWG	7.6	35.1	74
53	3X2X20AWG	8.2	46.4	92
54	4X2X20AWG	9.1	58.0	116
55	5X2X20AWG	10.0	69.8	140
56	6X2X20AWG	11.0	62.6	138
57	7X2X20AWG	11.0	72.1	152
58	8X2X20AWG	12.0	103.3	207
59	10X2X20AWG	14.1	127.9	258
60	12X2X20AWG	14.5	148.3	290
61	16X2X20AWG	16.1	190.9	368
62	1X2X18AWG	5.9	24.5	50
63	2X2X18AWG	8.3	48.0	91
64	3X2X18AWG	9.1	65.1	121
65	4X2X18AWG	10.1	82.5	152
66	5X2X18AWG	11.1	100.1	184

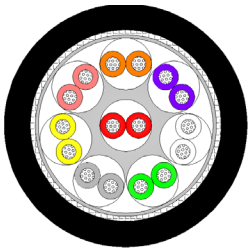
数据电缆 DATA CABLE

01

AWM 2517-SP

UL/CUL 认证 耐热 PVC 护套柔性对绞屏蔽柔数据电缆

UL/CUL certified heat-resistant PVC sheathed flexible twisted pair shielded flexible data cable



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

- LIYCY-TP
- Li2YCY-TP
- Li2YCY PiMF
- AWM 2464-SP
- AWM 2517-SP
- AWM 2725-SP
- AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shield is particularly suitable for applications requiring anti electromagnetic interference, suitable for fixed installation and occasional movement without forced stress and fixed direction. It is intended for export to the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的耐热，抗老化性能；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good heat resistance and aging resistance;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2517，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2517, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
耐高温 PVC/ 耐高温 TPE 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
耐热 PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
High temperature resistant PVC/TPE core wire insulation material is optional;
Core twisted pair;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
Heat resistant PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规
额定电压：300V
绝缘电阻：＞ 20MΩ x km
测试电压：2000V
电容：约 120nF/km
电感：约 0.65mH/km
温度范围：
　　固定安装：−40 至+ 105℃；
　　移动安装：−5 至+ 105℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+105 ℃ ;
　　Moved installation: − 5 to+105 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	4.5	7.9	25
2	2X2X28AWG	6.3	12.9	44
3	3X2X28AWG	6.8	15.4	51
4	4X2X28AWG	7.3	18.1	59
5	5X2X28AWG	7.8	23.8	71
6	6X2X28AWG	8.6	24.2	75
7	7X2X28AWG	8.6	25.6	79
8	8X2X28AWG	9.2	31.8	98
9	10X2X28AWG	10.8	38.7	123
10	12X2X28AWG	11.3	42.6	140
11	16X2X28AWG	12.6	51.6	173
12	20X2X28AWG	13.8	60.9	203
13	25X2X28AWG	15.4	72.3	246
14	1X2X26AWG	4.7	9.6	27
15	2X2X26AWG	6.7	15.9	49
16	3X2X26AWG	7.1	19.7	58
17	4X2X26AWG	7.7	26.4	71
18	5X2X26AWG	8.3	30.8	82
19	6X2X26AWG	9.1	30.1	85
20	7X2X26AWG	9.1	32.7	91
21	8X2X26AWG	10.0	42.4	119
22	10X2X26AWG	11.7	52.0	149
23	12X2X26AWG	12.2	58.1	170
24	16X2X26AWG	13.4	71.9	205
25	20X2X26AWG	14.9	86.1	248
26	25X2X26AWG	16.6	103.4	301
27	1X2X24AWG	5.0	11.7	31
28	2X2X24AWG	6.9	20.1	53
29	3X2X24AWG	7.7	28.2	71
30	4X2X24AWG	8.5	34.1	88
31	5X2X24AWG	9.4	40.2	106
32	6X2X24AWG	10.1	46.3	121
33	7X2X24AWG	10.1	50.4	129

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	11.0	56.6	148
35	10X2X24AWG	12.9	69.7	186
36	12X2X24AWG	13.2	78.9	206
37	16X2X24AWG	14.7	99.0	258
38	20X2X24AWG	16.4	119.5	313
39	25X2X24AWG	18.1	144.7	371
40	1X2X22AWG	5.3	14.7	36
41	2X2X22AWG	7.6	28.4	69
42	3X2X22AWG	8.2	36.4	84
43	4X2X22AWG	9.1	44.7	105
44	5X2X22AWG	9.8	53.2	122
45	6X2X22AWG	10.8	61.8	144
46	7X2X22AWG	10.8	68.1	156
47	8X2X22AWG	12.0	76.7	184
48	10X2X22AWG	13.9	94.7	224
49	12X2X22AWG	14.5	108.5	257
50	16X2X22AWG	15.9	137.8	316
51	1X2X20AWG	5.6	18.7	42
52	2X2X20AWG	8.1	36.5	80
53	3X2X20AWG	8.9	47.9	104
54	4X2X20AWG	9.7	59.8	125
55	5X2X20AWG	10.9	71.8	157
56	6X2X20AWG	12.0	64.8	155
57	7X2X20AWG	12.0	74.4	170
58	8X2X20AWG	12.8	105.7	224
59	10X2X20AWG	15.1	130.8	280
60	12X2X20AWG	15.7	151.3	322
61	16X2X20AWG	17.5	194.4	406
62	1X2X18AWG	6.4	25.8	56
63	2X2X18AWG	9.3	50.4	106
64	3X2X18AWG	10.2	67.7	139
65	4X2X18AWG	11.3	85.4	174
66	5X2X18AWG	12.4	103.4	211

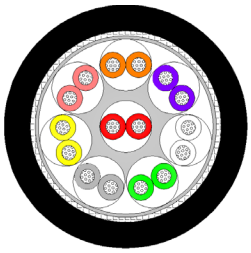
数据电缆 DATA CABLE

01

AWM 2725-SP

UL/CUL 认证 PVC 护套柔性对绞屏蔽柔数据电缆，30V 超细外径

UL/CUL certified PVC sheathed flexible twisted pair shielded flexible data cable, 30V ultra-fine outer diameter



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

- LIYCY-TP
- Li2YCY-TP
- Li2YCY PiMF
- AWM 2464-SP
- AWM 2517-SP
- AWM 2725-SP
- AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，专为狭小空间下传输测量和控制信号而设计，针对出口到应用 UL/CSA 认证电缆的北美市场。

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2725，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：符合国际色规；
额定电压：30V；
绝缘电阻：> 20MΩ x km；
测试电压：500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference. It is designed for transmission of measurement and control signals in narrow spaces. It is targeted at the North American market where UL/CSA certified cables are applied

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2725, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Core twisted pair;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 30V;
Insulation resistance: > 20MΩ x km;
Test voltage: 500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.5	6.4	16
2	2X2X28AWG	4.8	10.5	27
3	3X2X28AWG	5.3	12.8	34
4	4X2X28AWG	5.7	15.2	40
5	5X2X28AWG	6.1	17.7	45
6	6X2X28AWG	6.6	17.3	45
7	7X2X28AWG	6.6	18.8	48
8	8X2X28AWG	7.2	24.2	63
9	10X2X28AWG	8.4	32.9	83
10	12X2X28AWG	8.9	36.4	95
11	16X2X28AWG	9.9	44.7	119
12	20X2X28AWG	10.8	53.1	139
13	25X2X28AWG	12.0	63.5	168
14	1X2X26AWG	3.7	8.1	18
15	2X2X26AWG	5.1	13.6	31
16	3X2X26AWG	5.7	17.0	41
17	4X2X26AWG	6.1	20.7	48
18	5X2X26AWG	6.6	24.4	55
19	6X2X26AWG	7.1	25.7	56
20	7X2X26AWG	7.1	28.3	61
21	8X2X26AWG	7.8	37.5	81
22	10X2X26AWG	9.1	46.1	102
23	12X2X26AWG	9.6	52.0	118
24	16X2X26AWG	10.7	65.0	148
25	20X2X26AWG	11.7	78.3	174
26	25X2X26AWG	13.0	94.6	212
27	1X2X24AWG	3.9	10.0	21
28	2X2X24AWG	5.4	17.3	37
29	3X2X24AWG	6.0	22.3	48
30	4X2X24AWG	6.5	27.6	57
31	5X2X24AWG	7.2	32.9	70
32	6X2X24AWG	7.9	41.2	86
33	7X2X24AWG	7.9	45.3	92

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	8.7	51.0	106
35	10X2X24AWG	10.0	62.8	129
36	12X2X24AWG	10.4	71.8	148
37	16X2X24AWG	9.4	90.9	134
38	20X2X24AWG	12.7	110.4	222
39	25X2X24AWG	14.2	134.4	270
40	1X2X22AWG	4.3	13.2	26
41	2X2X22AWG	6.3	23.3	49
42	3X2X22AWG	6.7	30.7	61
43	4X2X22AWG	7.5	41.2	80
44	5X2X22AWG	8.1	49.2	93
45	6X2X22AWG	8.9	57.4	111
46	7X2X22AWG	8.9	63.7	120
47	8X2X22AWG	9.8	71.9	139
48	10X2X22AWG	11.5	88.9	174
49	12X2X22AWG	11.8	102.4	196
50	16X2X22AWG	13.2	130.9	248
51	1X2X20AWG	4.9	18.0	34
52	2X2X20AWG	7.2	35.1	67
53	3X2X20AWG	7.8	46.4	85
54	4X2X20AWG	8.7	58.0	108
55	5X2X20AWG	9.6	69.8	131
56	6X2X20AWG	10.6	62.6	128
57	7X2X20AWG	10.6	72.1	142
58	8X2X20AWG	11.6	103.3	196
59	10X2X20AWG	13.7	127.9	246
60	12X2X20AWG	14.1	148.3	277
61	16X2X20AWG	15.7	190.9	353
62	1X2X18AWG	5.5	24.5	45
63	2X2X18AWG	7.9	48.0	84
64	3X2X18AWG	8.7	65.1	112
65	4X2X18AWG	9.7	82.5	143
66	5X2X18AWG	10.7	100.1	174

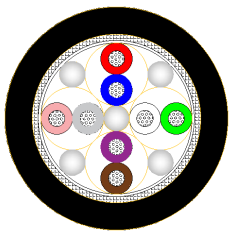
数据电缆 DATA CABLE

01

AWM 20276-SP

UL/CUL 认证 PVC 护套柔性对绞屏蔽数据电缆，30V 超细外径

UL/CUL certified PVC sheathed flexible shielded data cable,
30V ultra-fine outer diameter



PVC 护套柔性对绞屏蔽数据传输电缆

PVC SHEATHED FLEXIBLE TWISTED PAIR SHIELD DATA TRANSMISSION CABLE

- LIYCY-TP
- Li2YCY-TP
- Li2YCY PiMF
- AWM 2464-SP
- AWM 2517-SP
- AWM 2725-SP
- AWM 20276-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，专为狭小空间下传输测量和控制信号而设计，针对出口到应用 UL/CSA 认证电缆的北美市场。

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20276，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：符合国际色规；
额定电压：30V；
绝缘电阻：> 20MΩ x km；
测试电压：500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference. It is designed for transmission of measurement and control signals in narrow spaces. It is targeted at the North American market where UL/CSA certified cables are applied.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20276, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Core twisted pair;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 30V;
Insulation resistance: > 20M Ω x km;
Test voltage: 500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.5	6.4	16
2	2X2X28AWG	4.8	10.5	27
3	3X2X28AWG	5.3	12.8	34
4	4X2X28AWG	5.7	15.2	40
5	5X2X28AWG	6.1	17.7	45
6	6X2X28AWG	6.6	17.3	45
7	7X2X28AWG	6.6	18.8	48
8	8X2X28AWG	7.2	24.2	63
9	10X2X28AWG	8.4	32.9	83
10	12X2X28AWG	8.9	36.4	95
11	16X2X28AWG	9.9	44.7	119
12	20X2X28AWG	10.8	53.1	139
13	25X2X28AWG	12.0	63.5	168
14	1X2X26AWG	3.7	8.1	18
15	2X2X26AWG	5.1	13.6	31
16	3X2X26AWG	5.7	17.0	41
17	4X2X26AWG	6.1	20.7	48
18	5X2X26AWG	6.6	24.4	55
19	6X2X26AWG	7.1	25.7	56
20	7X2X26AWG	7.1	28.3	61
21	8X2X26AWG	7.8	37.5	81
22	10X2X26AWG	9.1	46.1	102
23	12X2X26AWG	9.6	52.0	118
24	16X2X26AWG	10.7	65.0	148
25	20X2X26AWG	11.7	78.3	174
26	25X2X26AWG	13.0	94.6	212
27	1X2X24AWG	3.9	10.0	21
28	2X2X24AWG	5.4	17.3	37
29	3X2X24AWG	6.0	22.3	48
30	4X2X24AWG	6.5	27.6	57
31	5X2X24AWG	7.2	32.9	70
32	6X2X24AWG	7.9	41.2	86
33	7X2X24AWG	7.9	45.3	92

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	8.7	51.0	106
35	10X2X24AWG	10.0	62.8	129
36	12X2X24AWG	10.4	71.8	148
37	16X2X24AWG	9.4	90.9	134
38	20X2X24AWG	12.7	110.4	222
39	25X2X24AWG	14.2	134.4	270
40	1X2X22AWG	4.3	13.2	26
41	2X2X22AWG	6.3	23.3	49
42	3X2X22AWG	6.7	30.7	61
43	4X2X22AWG	7.5	41.2	80
44	5X2X22AWG	8.1	49.2	93
45	6X2X22AWG	8.9	57.4	111
46	7X2X22AWG	8.9	63.7	120
47	8X2X22AWG	9.8	71.9	139
48	10X2X22AWG	11.5	88.9	174
49	12X2X22AWG	11.8	102.4	196
50	16X2X22AWG	13.2	130.9	248
51	1X2X20AWG	4.9	18.0	34
52	2X2X20AWG	7.2	35.1	67
53	3X2X20AWG	7.8	46.4	85
54	4X2X20AWG	8.7	58.0	108
55	5X2X20AWG	9.6	69.8	131
56	6X2X20AWG	10.6	62.6	128
57	7X2X20AWG	10.6	72.1	142
58	8X2X20AWG	11.6	103.3	196
59	10X2X20AWG	13.7	127.9	246
60	12X2X20AWG	14.1	148.3	277
61	16X2X20AWG	15.7	190.9	353
62	1X2X18AWG	5.5	24.5	45
63	2X2X18AWG	7.9	48.0	84
64	3X2X18AWG	8.7	65.1	112
65	4X2X18AWG	9.7	82.5	143
66	5X2X18AWG	10.7	100.1	174

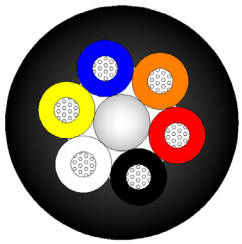
数据电缆 DATA CABLE

01

LIHH

CE 认证 低烟无卤数据传输电缆

CE certified low smoke zero halogen data transmission cable



低烟无卤
数据传输电缆
LSZH DATA TRANSMISSION CABLE

- LIHH
- LIHCH
- LIHCH-TP

应用范围

这些信号电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

These signal cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc. They can protect personnel safety by reducing smoke density and corrosive gas in case of fire, and are suitable for occasions with large population density and high property value.

产品特性

阻燃性，符合 IEC60332-1-2；
无卤，符合 IEC60754-1(卤素酸性气体量)；
腐蚀性气体，符合 EN50267-2-3(酸度)；
低烟密度，符合 IEC61034-2；
电缆外径小，节约安装空间；
良好的剥离性。

Product characteristics

Flame retardant, conforming to IEC60332-1-2;
Halogen free, conform to IEC60,754-1 (halogen acid gas volume);
Corrosive gas, conform to EN50267-2-3 (acidity);
Low smoke density, conform to IEC61034-2;
The outer diameter of the cable is small, saving installation space;
Good peeling property.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特殊无卤混合物芯线绝缘；
特殊无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special halogen-free mixture core wire insulation;
Outer sheath of special halogen-free mixture;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：约 100nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-30 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 100nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 30 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.





物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	7X0.14mm²	4.9	9.5	35
7	8X0.14mm²	5.2	10.8	40
8	10X0.14mm²	6.2	13.5	54
9	12X0.14mm²	6.4	16.2	59
10	14X0.14mm²	6.7	18.9	66
11	16X0.14mm²	7.0	21.6	72
12	18X0.14mm²	7.3	24.3	80
13	20X0.14mm²	7.6	27.0	88
14	25X0.14mm²	8.6	33.8	111
15	36X0.14mm²	9.9	48.6	150
16	37X0.14mm²	9.9	50.0	151
17	40X0.14mm²	10.2	54.0	162
18	50X0.14mm²	11.9	67.5	214
19	2X0.25mm²	4.2	4.5	24
20	3X0.25mm²	4.4	6.8	27
21	4X0.25mm²	4.7	9.0	33
22	5X0.25mm²	5.1	11.3	39
23	6X0.25mm²	5.5	13.5	45
24	7X0.25mm²	5.5	15.8	47
25	8X0.25mm²	6.1	18.0	57
26	10X0.25mm²	7.0	22.5	74
27	12X0.25mm²	7.2	27.0	81
28	14X0.25mm²	7.5	31.5	90
29	16X0.25mm²	8.1	36.0	104
30	18X0.25mm²	8.5	40.5	115
31	20X0.25mm²	8.9	45.0	126
32	25X0.25mm²	10.0	56.3	159
33	30X0.25mm²	10.5	67.5	180
34	32X0.25mm²	11.1	72.0	198
35	36X0.25mm²	11.7	81.0	221
36	37X0.25mm²	11.7	83.3	222
37	40X0.25mm²	12.1	90.0	238
38	2X0.34mm²	4.4	6.1	27
39	3X0.34mm²	4.6	9.2	32
40	4X0.34mm²	5.0	12.2	38
41	5X0.34mm²	5.4	15.3	46
42	6X0.34mm²	5.8	18.3	53
43	7X0.34mm²	5.8	21.4	56
44	8X0.34mm²	6.4	24.4	67
45	10X0.34mm²	7.4	30.5	87
46	12X0.34mm²	7.6	36.6	96

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	108
48	16X0.34mm²	8.6	48.8	124
49	18X0.34mm²	9.0	54.9	137
50	20X0.34mm²	9.4	61.0	151
51	25X0.34mm²	10.6	76.3	191
52	30X0.34mm²	11.4	91.5	223
53	36X0.34mm²	12.4	109.8	265
54	37X0.34mm²	12.4	112.9	268
55	40X0.34mm²	13.0	122.0	294
56	2X0.5mm²	4.8	9.0	33
57	3X0.5mm²	5.0	13.5	40
58	4X0.5mm²	5.5	18.0	48
59	5X0.5mm²	5.9	22.5	58
60	6X0.5mm²	6.6	27.0	71
61	7X0.5mm²	6.6	31.5	75
62	8X0.5mm²	7.1	36.0	86
63	10X0.5mm²	8.4	45.0	116
64	12X0.5mm²	8.6	54.0	128
65	14X0.5mm²	9.1	63.0	144
66	16X0.5mm²	9.7	72.0	165
67	18X0.5mm²	10.4	81.0	188
68	20X0.5mm²	10.9	90.0	207
69	25X0.5mm²	12.2	112.5	259
70	30X0.5mm²	13.1	135.0	302
71	37X0.5mm²	14.0	166.5	356
72	40X0.5mm²	14.7	180.0	389
73	2X0.75mm²	5.2	13.7	42
74	3X0.75mm²	5.5	20.5	50
75	4X0.75mm²	5.9	27.4	62
76	5X0.75mm²	6.7	34.2	78
77	6X0.75mm²	7.2	41.0	92
78	7X0.75mm²	7.2	47.9	97
79	8X0.75mm²	7.7	54.7	112
80	10X0.75mm²	9.4	68.4	155
81	12X0.75mm²	9.7	82.1	172
82	16X0.75mm²	10.9	109.4	221
83	18X0.75mm²	11.6	123.1	251
84	20X0.75mm²	12.1	136.8	277
85	25X0.75mm²	13.6	171.0	346
86	2X1.0mm²	5.8	18.3	53
87	3X1.0mm²	6.1	27.4	64
88	4X1.0mm²	6.7	36.5	80
89	5X1.0mm²	7.3	45.7	96
90	2X1.5mm²	6.6	27.4	71
91	3X1.5mm²	7.0	41.1	88
92	4X1.5mm²	7.8	54.8	113

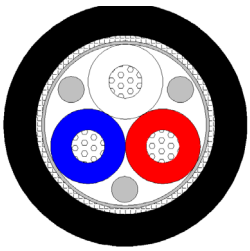
数据电缆 DATA CABLE

01

LIHCH

CE 认证 低烟无卤屏蔽数据传输电缆

CE certified low smoke shielded data transmission cable



低烟无卤
数据传输电缆
LSZH DATA TRANSMISSION CABLE

LIHH

LIHCH

LIHCH-TP

应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

产品特性

阻燃性，符合 IEC60332-1-2；
无卤，符合 IEC60754-1(卤素酸性气体量)；
腐蚀性气体，符合 EN50267-2-3(酸度)；
低烟密度，符合 IEC61034-2；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特殊无卤混合物芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
特殊无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：
　　线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 140nF/km。
电感：约 0.65mH/km；
温度范围：
　　固定安装：-30 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. They can protect personnel safety by reducing smoke density and corrosive gases in case of fire. They are suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference.

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Halogen free, conform to IEC60,754-1 (halogen acid gas volume);
Corrosive gas, conform to EN50267-2-3 (acidity);
Low smoke density, conform to IEC61034-2;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property.

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special halogen-free mixture core wire insulation;
Tinned copper wire braided shield, about 80% coverage;
Outer sheath of special halogen-free mixture;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance:
　　core/core is about 120nF/km;
　　Core/shield: about 140nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 30 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.





物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	24
2	3X0.14mm²	4.5	10.5	27
3	4X0.14mm²	4.8	12.5	32
4	5X0.14mm²	5.1	14.7	36
5	6X0.14mm²	5.4	16.9	41
6	7X0.14mm²	5.4	18.2	43
7	8X0.14mm²	5.9	20.4	50
8	10X0.14mm²	6.7	25.1	60
9	12X0.14mm²	6.9	28.2	67
10	14X0.14mm²	7.2	31.7	74
11	16X0.14mm²	7.7	37.9	87
12	18X0.14mm²	8.0	41.7	94
13	20X0.14mm²	8.3	45.4	102
14	25X0.14mm²	9.3	54.5	125
15	30X0.14mm²	9.8	62.7	141
16	36X0.14mm²	10.6	72.8	166
17	37X0.14mm²	10.6	74.2	169
18	40X0.14mm²	10.9	79.3	179
19	50X0.14mm²	12.6	96.6	226
20	2X0.25mm²	5.3	11.5	36
21	3X0.25mm²	5.7	14.2	44
22	4X0.25mm²	5.2	17.3	40
23	5X0.25mm²	5.6	20.5	46
24	6X0.25mm²	6.0	23.8	52
25	7X0.25mm²	6.0	26.0	56
26	8X0.25mm²	6.6	29.3	65
27	10X0.25mm²	7.5	38.8	82
28	12X0.25mm²	7.7	44.0	91
29	14X0.25mm²	8.2	49.5	104
30	16X0.25mm²	8.6	55.1	115
31	18X0.25mm²	9.2	60.8	130
32	20X0.25mm²	9.6	66.5	140
33	25X0.25mm²	10.7	80.6	172
34	30X0.25mm²	11.2	93.5	195
35	32X0.25mm²	11.8	99.1	211
36	36X0.25mm²	12.4	109.4	236
37	37X0.25mm²	12.4	111.6	240
38	40X0.25mm²	12.8	119.6	255
39	2X0.34mm²	4.9	13.6	32
40	3X0.34mm²	5.1	17.2	38
41	4X0.34mm²	5.5	21.2	45
42	5X0.34mm²	5.9	25.2	52
43	6X0.34mm²	6.3	29.4	60
44	7X0.34mm²	6.3	32.4	65
45	8X0.34mm²	6.9	36.6	75
46	10X0.34mm²	8.1	48.1	98
47	12X0.34mm²	8.3	54.9	109

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	122
49	16X0.34mm²	9.3	69.5	138
50	18X0.34mm²	9.7	76.9	151
51	20X0.34mm²	10.3	84.3	169
52	25X0.34mm²	11.5	102.6	207
53	30X0.34mm²	12.3	119.7	241
54	36X0.34mm²	13.1	140.6	278
55	37X0.34mm²	13.1	143.7	283
56	40X0.34mm²	13.7	154.2	308
57	2X0.5mm²	5.3	17.5	38
58	3X0.5mm²	5.5	22.6	47
59	4X0.5mm²	6.0	28.2	56
60	5X0.5mm²	6.4	33.9	65
61	6X0.5mm²	7.1	39.6	78
62	7X0.5mm²	7.1	44.1	85
63	8X0.5mm²	7.6	52.7	98
64	10X0.5mm²	8.9	65.1	123
65	12X0.5mm²	9.1	74.9	138
66	14X0.5mm²	9.8	85.2	159
67	16X0.5mm²	10.4	95.6	181
68	18X0.5mm²	10.9	106.1	199
69	20X0.5mm²	11.6	116.6	222
70	25X0.5mm²	12.9	142.6	271
71	30X0.5mm²	13.6	167.3	311
72	37X0.5mm²	14.7	201.8	373
73	40X0.5mm²	15.4	216.8	405
74	2X0.75mm²	5.7	23.2	46
75	3X0.75mm²	6.0	30.8	57
76	4X0.75mm²	6.4	38.9	70
77	5X0.75mm²	7.2	47.1	86
78	6X0.75mm²	7.9	58.2	105
79	7X0.75mm²	7.9	65.1	115
80	8X0.75mm²	8.4	73.7	128
81	10X0.75mm²	9.9	91.2	161
82	12X0.75mm²	10.4	105.9	187
83	16X0.75mm²	11.6	136.4	239
84	18X0.75mm²	12.3	151.8	268
85	20X0.75mm²	12.8	167.3	292
86	25X0.75mm²	14.3	205.6	358
87	2X1.0mm²	6.5	29.3	59
88	3X1.0mm²	6.8	39.3	74
89	4X1.0mm²	7.6	52.6	97
90	5X1.0mm²	8.2	63.6	114
91	2X1.5mm²	7.3	43.2	79
92	3X1.5mm²	7.9	58.2	104
93	4X1.5mm²	8.5	73.9	128
94	5X1.5mm²	9.5	89.9	156

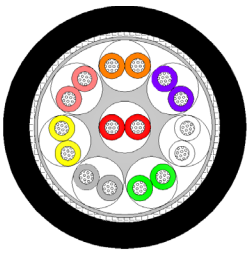
数据电缆 DATA CABLE

01

LIHCH-TP

CE 认证 低烟无卤对绞屏蔽数据传输电缆

CE certified low smoke twisted pair shielded data transmission cable



低烟无卤
数据传输电缆
LSZH DATA TRANSMISSION CABLE

- LIHH
- LIHCH
- LIHCH-TP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring equipment, etc. They can protect personnel safety by reducing smoke density and corrosive gases in case of fire. They are suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference.

产品特性

对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
阻燃性，符合 IEC60332-1-2；
无卤，符合 IEC60754-1(卤素酸性气体量)；
腐蚀性气体，符合 EN50267-2-3(酸度)；
低烟密度，符合 IEC61034-2；
良好的剥离性。

Product characteristics

The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Flame retardant, conform to IEC60332-1-2;
Halogen free, conform to IEC60,754-1 (halogen acid gas volume);
Corrosive gas, conform to EN50267-2-3 (acidity);
Low smoke density, conform to IEC61034-2;
Good peeling property.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特殊无卤混合物芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
特殊无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special halogen-free mixture core wire insulation;
Core twisted pair;
Tinned copper wire braided shield, about 80% coverage;
Outer sheath of special halogen-free mixture;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：
　　线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　　固定安装：−30 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径，
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance:
　　core/core: about 120nF/km;
　　core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 30 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	24
2	2X2X0.14mm²	5.8	14.7	40
3	3X2X0.14mm²	6.4	18.4	50
4	4X2X0.14mm²	6.9	22.3	59
5	5X2X0.14mm²	7.4	26.3	67
6	6X2X0.14mm²	7.9	27.8	69
7	7X2X0.14mm²	7.9	30.6	74
8	8X2X0.14mm²	8.7	40.4	98
9	10X2X0.14mm²	10.2	49.6	123
10	12X2X0.14mm²	10.6	55.9	140
11	16X2X0.14mm²	11.8	69.8	175
12	20X2X0.14mm²	12.9	84.0	205
13	25X2X0.14mm²	14.4	101.4	249
14	1X2X0.25mm²	4.7	11.5	29
15	2X2X0.25mm²	6.5	19.9	49
16	3X2X0.25mm²	7.1	25.5	63
17	4X2X0.25mm²	7.7	34.2	78
18	5X2X0.25mm²	8.5	40.6	94
19	6X2X0.25mm²	9.3	47.0	111
20	7X2X0.25mm²	9.3	51.6	119
21	8X2X0.25mm²	10.2	58.0	136
22	10X2X0.25mm²	11.7	71.5	165
23	12X2X0.25mm²	12.2	81.6	189
24	16X2X0.25mm²	11.4	103.2	175
25	20X2X0.25mm²	14.9	125.2	281
26	25X2X0.25mm²	16.6	152.3	342
27	1X2X0.34mm²	4.9	13.6	32
28	2X2X0.34mm²	7.0	23.9	58
29	3X2X0.34mm²	7.5	34.0	74

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	89
31	5X2X0.34mm²	8.9	50.0	107
32	6X2X0.34mm²	9.8	58.2	127
33	7X2X0.34mm²	9.8	64.4	137
34	8X2X0.34mm²	10.7	72.6	157
35	10X2X0.34mm²	12.5	89.7	197
36	12X2X0.34mm²	12.9	103.1	220
37	16X2X0.34mm²	14.4	131.4	277
38	1X2X0.5mm²	5.3	17.5	38
39	2X2X0.5mm²	7.6	34.1	73
40	3X2X0.5mm²	8.2	44.8	91
41	4X2X0.5mm²	9.1	55.9	114
42	5X2X0.5mm²	10.0	67.2	138
43	6X2X0.5mm²	11.0	60.5	136
44	7X2X0.5mm²	11.0	69.6	150
45	8X2X0.5mm²	12.0	99.2	203
46	10X2X0.5mm²	14.1	122.8	254
47	12X2X0.5mm²	14.5	142.1	285
48	16X2X0.5mm²	16.1	182.7	361
49	1X2X0.75mm²	5.9	23.2	49
50	2X2X0.75mm²	8.3	45.5	89
51	3X2X0.75mm²	9.1	61.2	117
52	4X2X0.75mm²	10.1	77.3	147
53	5X2X0.75mm²	11.1	93.6	179
54	6X2X0.75mm²	12.2	110.1	211
55	1X2X1.0mm²	6.5	29.3	60
56	2X2X1.0mm²	9.6	57.5	118
57	3X2X1.0mm²	10.6	78.2	155
58	4X2X1.0mm²	11.5	99.3	189

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

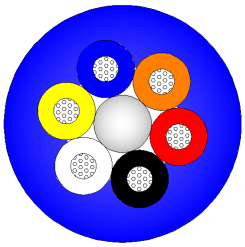
- PUR-LIY11Y
- PUR-LI2Y11Y
- PUR-LIYC11Y
- PUR-LI2YC11Y
- PUR-LIYC11Y-TP
- PUR-LI2YC11Y-TP
- PUR-LI2YC11Y PiMF
- LiYPV
- LiYCPV
- LiYCPV-TP
- Li2YPV
- Li2YCPV
- Li2YCPV-TP
- AWM 20233
- AWM 20549
- AWM 20936
- AWM 20233-S
- AWM 20549-S
- AWM 20936-S
- AWM 20233-SP
- AWM 20549-SP
- AWM 20936-SP
- AWM 21481
- AWM 21481-S
- AWM 21481-SP
- AWM 21002
- AWM 21002-S
- AWM 21002-SP



PUR-LIY11Y

CE 认证 PUR 护套柔性数据电缆

CE certified PUR sheathed flexible data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 EN60811-404；
抗紫外线良好；
PUR 护套，抗撕裂及切割；
电缆外径小，节约安装空间；
良好的剥离性。

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Oil resistance, conform to EN60811-404;
Good UV resistance;
PUR sheath, tear and cutting resistant;
The outer diameter of the cable is small, saving installation space;
Good peeling property.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	17
2	3X0.14mm²	4.0	4.1	20
3	4X0.14mm²	4.3	5.4	23
4	5X0.14mm²	4.6	6.8	27
5	6X0.14mm²	4.9	8.1	32
6	7X0.14mm²	4.9	9.5	33
7	8X0.14mm²	5.2	10.8	38
8	10X0.14mm²	6.2	13.5	51
9	12X0.14mm²	6.4	16.2	56
10	14X0.14mm²	6.7	18.9	62
11	16X0.14mm²	7.0	21.6	69
12	18X0.14mm²	7.3	24.3	76
13	20X0.14mm²	7.6	27.0	84
14	25X0.14mm²	8.6	33.8	106
15	36X0.14mm²	9.9	48.6	145
16	37X0.14mm²	9.9	50.0	146
17	40X0.14mm²	10.2	54.0	157
18	50X0.14mm²	11.9	67.5	205
19	2X0.25mm²	4.2	4.5	22
20	3X0.25mm²	4.4	6.8	26
21	4X0.25mm²	4.7	9.0	31
22	5X0.25mm²	5.1	11.3	37
23	6X0.25mm²	5.5	13.5	43
24	7X0.25mm²	5.5	15.8	45
25	8X0.25mm²	6.1	18.0	54
26	10X0.25mm²	7.0	22.5	70
27	12X0.25mm²	7.2	27.0	77
28	14X0.25mm²	7.5	31.5	86
29	16X0.25mm²	8.1	36.0	99
30	18X0.25mm²	8.5	40.5	110
31	20X0.25mm²	8.9	45.0	121
32	25X0.25mm²	10.0	56.3	153
33	30X0.25mm²	10.5	67.5	174
34	32X0.25mm²	11.1	72.0	191
35	36X0.25mm²	11.7	81.0	213
36	37X0.25mm²	11.7	83.3	215
37	40X0.25mm²	12.1	90.0	231
38	2X0.34mm²	4.4	6.1	25
39	3X0.34mm²	4.6	9.2	30
40	4X0.34mm²	5.0	12.2	36
41	5X0.34mm²	5.4	15.3	43
42	6X0.34mm²	5.8	18.3	50
43	7X0.34mm²	5.8	21.4	53
44	8X0.34mm²	6.4	24.4	64
45	10X0.34mm²	7.4	30.5	83
46	12X0.34mm²	7.6	36.6	92

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	103
48	16X0.34mm²	8.6	48.8	119
49	18X0.34mm²	9.0	54.9	132
50	20X0.34mm²	9.4	61.0	145
51	25X0.34mm²	10.6	76.3	183
52	30X0.34mm²	11.4	91.5	214
53	36X0.34mm²	12.4	109.8	255
54	37X0.34mm²	12.4	112.9	258
55	40X0.34mm²	13.0	122.0	283
56	2X0.5mm²	4.8	9.0	31
57	3X0.5mm²	5.0	13.5	38
58	4X0.5mm²	5.5	18.0	46
59	5X0.5mm²	5.9	22.5	56
60	6X0.5mm²	6.6	27.0	68
61	7X0.5mm²	6.6	31.5	72
62	8X0.5mm²	7.1	36.0	83
63	10X0.5mm²	8.4	45.0	111
64	12X0.5mm²	8.6	54.0	124
65	14X0.5mm²	9.1	63.0	140
66	16X0.5mm²	9.7	72.0	160
67	18X0.5mm²	10.4	81.0	182
68	20X0.5mm²	10.9	90.0	201
69	25X0.5mm²	12.2	112.5	252
70	30X0.5mm²	13.1	135.0	294
71	37X0.5mm²	14.0	166.5	349
72	40X0.5mm²	14.7	180.0	381
73	2X0.75mm²	5.2	13.7	39
74	3X0.75mm²	5.5	20.5	48
75	4X0.75mm²	5.9	27.4	60
76	5X0.75mm²	6.7	34.2	75
77	6X0.75mm²	7.2	41.0	89
78	7X0.75mm²	7.2	47.9	95
79	8X0.75mm²	7.7	54.7	110
80	10X0.75mm²	9.4	68.4	150
81	12X0.75mm²	9.7	82.1	168
82	16X0.75mm²	10.9	109.4	217
83	18X0.75mm²	11.6	123.1	246
84	20X0.75mm²	12.1	136.8	271
85	25X0.75mm²	13.6	171.0	340
86	2X1.0mm²	5.8	18.3	50
87	3X1.0mm²	6.1	27.4	62
88	4X1.0mm²	6.7	36.5	77
89	5X1.0mm²	7.3	45.7	94
90	2X1.5mm²	6.6	27.4	68
91	3X1.5mm²	7.0	41.1	86
92	4X1.5mm²	7.8	54.8	111

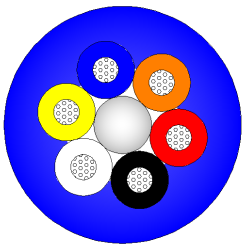
数据电缆 DATA CABLE

01

PUR-LI2Y11Y

CE 认证 低电容 PUR 护套柔性数据电缆

CE certified low capacitance PUR sheathed flexible data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 EN60811-404；
低电容；
抗紫外线良好；
PUR 护套，抗撕裂及切割；
电缆外径小，节约安装空间；
良好的剥离性。

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Oil resistance, conform to EN60811-404;
EMC occasions;
Low capacitance data cable;
Good UV resistance;
PUR sheath, tear and cutting resistant;
The outer diameter of the cable is small, saving installation space;
Good peeling property.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Polyethylene (PE) core wire insulation;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	16
2	3X0.14mm²	4.0	4.1	19
3	4X0.14mm²	4.3	5.4	22
4	5X0.14mm²	4.6	6.8	26
5	6X0.14mm²	4.9	8.1	30
6	7X0.14mm²	4.9	9.5	31
7	8X0.14mm²	5.2	10.8	35
8	10X0.14mm²	6.2	13.5	48
9	12X0.14mm²	6.4	16.2	53
10	14X0.14mm²	6.7	18.9	58
11	16X0.14mm²	7.0	21.6	65
12	18X0.14mm²	7.3	24.3	71
13	20X0.14mm²	7.6	27.0	78
14	25X0.14mm²	8.6	33.8	99
15	36X0.14mm²	9.9	48.6	134
16	37X0.14mm²	9.9	50.0	135
17	40X0.14mm²	10.2	54.0	145
18	50X0.14mm²	11.9	67.5	191
19	2X0.25mm²	4.2	4.5	21
20	3X0.25mm²	4.4	6.8	24
21	4X0.25mm²	4.7	9.0	29
22	5X0.25mm²	5.1	11.3	35
23	6X0.25mm²	5.5	13.5	40
24	7X0.25mm²	5.5	15.8	42
25	8X0.25mm²	6.1	18.0	51
26	10X0.25mm²	7.0	22.5	66
27	12X0.25mm²	7.2	27.0	72
28	14X0.25mm²	7.5	31.5	81
29	16X0.25mm²	8.1	36.0	93
30	18X0.25mm²	8.5	40.5	103
31	20X0.25mm²	8.9	45.0	114
32	25X0.25mm²	10.0	56.3	143
33	30X0.25mm²	10.5	67.5	163
34	32X0.25mm²	11.1	72.0	179
35	36X0.25mm²	11.7	81.0	199
36	37X0.25mm²	11.7	83.3	201
37	40X0.25mm²	12.1	90.0	216
38	2X0.34mm²	4.4	6.1	24
39	3X0.34mm²	4.6	9.2	28
40	4X0.34mm²	5.0	12.2	34
41	5X0.34mm²	5.4	15.3	41
42	6X0.34mm²	5.8	18.3	48
43	7X0.34mm²	5.8	21.4	50
44	8X0.34mm²	6.4	24.4	60
45	10X0.34mm²	7.4	30.5	79
46	12X0.34mm²	7.6	36.6	87

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	97
48	16X0.34mm²	8.6	48.8	112
49	18X0.34mm²	9.0	54.9	124
50	20X0.34mm²	9.4	61.0	137
51	25X0.34mm²	10.6	76.3	172
52	30X0.34mm²	11.4	91.5	201
53	36X0.34mm²	12.4	109.8	240
54	37X0.34mm²	12.4	112.9	243
55	40X0.34mm²	13.0	122.0	266
56	2X0.5mm²	4.8	9.0	30
57	3X0.5mm²	5.0	13.5	36
58	4X0.5mm²	5.5	18.0	44
59	5X0.5mm²	5.9	22.5	53
60	6X0.5mm²	6.6	27.0	65
61	7X0.5mm²	6.6	31.5	69
62	8X0.5mm²	7.1	36.0	79
63	10X0.5mm²	8.4	45.0	106
64	12X0.5mm²	8.6	54.0	118
65	14X0.5mm²	9.1	63.0	132
66	16X0.5mm²	9.7	72.0	152
67	18X0.5mm²	10.4	81.0	173
68	20X0.5mm²	10.9	90.0	190
69	25X0.5mm²	12.2	112.5	238
70	30X0.5mm²	13.1	135.0	278
71	37X0.5mm²	14.0	166.5	329
72	40X0.5mm²	14.7	180.0	359
73	2X0.75mm²	5.2	13.7	38
74	3X0.75mm²	5.5	20.5	47
75	4X0.75mm²	5.9	27.4	58
76	5X0.75mm²	6.7	34.2	72
77	6X0.75mm²	7.2	41.0	85
78	7X0.75mm²	7.2	47.9	91
79	8X0.75mm²	7.7	54.7	105
80	10X0.75mm²	9.4	68.4	144
81	12X0.75mm²	9.7	82.1	160
82	16X0.75mm²	10.9	109.4	207
83	18X0.75mm²	11.6	123.1	235
84	20X0.75mm²	12.1	136.8	259
85	25X0.75mm²	13.6	171.0	324
86	2X1.0mm²	5.8	18.3	48
87	3X1.0mm²	6.1	27.4	60
88	4X1.0mm²	6.7	36.5	74
89	5X1.0mm²	7.3	45.7	90
90	2X1.5mm²	6.6	27.4	66
91	3X1.5mm²	7.0	41.1	82
92	4X1.5mm²	7.8	54.8	106

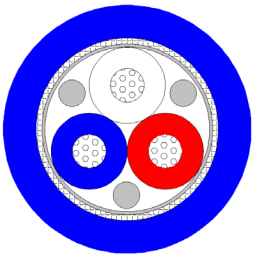
数据电缆 DATA CABLE

01

PUR-LIYC11Y

CE 认证 PUR 护套柔性屏蔽数据电缆

CE Certified PUR Sheathed Flexible Shielded Data Cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 EN60811-404；
电磁兼容 EMC 场合；
抗紫外线良好；
PUR 护套，抗撕裂及切割；
电缆外径小，节约安装空间；
良好的剥离性。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：
　　线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional movement without forced stress and fixed direction.

Product characteristics

Flame retardant,conform to IEC60332-1-2;
Oil resistance,conform to EN60811-404;
EMC occasions;
Good UV resistance;
PUR sheath, tear and cutting resistant;
The outer diameter of the cable is small, saving installation space;
Good peeling property.

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance:
　　wire core/wire core: about 120nF/km;
　　Core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	22
2	3X0.14mm²	4.5	10.5	25
3	4X0.14mm²	4.8	12.5	30
4	5X0.14mm²	5.1	14.7	34
5	6X0.14mm²	5.4	16.9	38
6	7X0.14mm²	5.4	18.2	41
7	8X0.14mm²	5.9	20.4	48
8	10X0.14mm²	6.7	25.1	57
9	12X0.14mm²	6.9	28.2	63
10	14X0.14mm²	7.2	31.7	70
11	16X0.14mm²	7.7	37.9	83
12	18X0.14mm²	8.0	41.7	90
13	20X0.14mm²	8.3	45.4	97
14	25X0.14mm²	9.3	54.5	119
15	30X0.14mm²	9.8	62.7	135
16	36X0.14mm²	10.6	72.8	159
17	37X0.14mm²	10.6	74.2	161
18	40X0.14mm²	10.9	79.3	172
19	50X0.14mm²	12.6	96.6	216
20	2X0.25mm²	5.3	11.5	33
21	3X0.25mm²	5.7	14.2	40
22	4X0.25mm²	5.2	17.3	38
23	5X0.25mm²	5.6	20.5	43
24	6X0.25mm²	6.0	23.8	49
25	7X0.25mm²	6.0	26.0	53
26	8X0.25mm²	6.6	29.3	62
27	10X0.25mm²	7.5	38.8	78
28	12X0.25mm²	7.7	44.0	87
29	14X0.25mm²	8.2	49.5	100
30	16X0.25mm²	8.6	55.1	110
31	18X0.25mm²	9.2	60.8	124
32	20X0.25mm²	9.6	66.5	135
33	25X0.25mm²	10.7	80.6	164
34	30X0.25mm²	11.2	93.5	188
35	32X0.25mm²	11.8	99.1	203
36	36X0.25mm²	12.4	109.4	226
37	37X0.25mm²	12.4	111.6	230
38	40X0.25mm²	12.8	119.6	245
39	2X0.34mm²	4.9	13.6	30
40	3X0.34mm²	5.1	17.2	36
41	4X0.34mm²	5.5	21.2	43
42	5X0.34mm²	5.9	25.2	50
43	6X0.34mm²	6.3	29.4	57
44	7X0.34mm²	6.3	32.4	62
45	8X0.34mm²	6.9	36.6	72
46	10X0.34mm²	8.1	48.1	93
47	12X0.34mm²	8.3	54.9	105

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	117
49	16X0.34mm²	9.3	69.5	133
50	18X0.34mm²	9.7	76.9	145
51	20X0.34mm²	10.3	84.3	162
52	25X0.34mm²	11.5	102.6	198
53	30X0.34mm²	12.3	119.7	232
54	36X0.34mm²	13.1	140.6	268
55	37X0.34mm²	13.1	143.7	273
56	40X0.34mm²	13.7	154.2	296
57	2X0.5mm²	5.3	17.5	36
58	3X0.5mm²	5.5	22.6	44
59	4X0.5mm²	6.0	28.2	53
60	5X0.5mm²	6.4	33.9	63
61	6X0.5mm²	7.1	39.6	75
62	7X0.5mm²	7.1	44.1	81
63	8X0.5mm²	7.6	52.7	94
64	10X0.5mm²	8.9	65.1	118
65	12X0.5mm²	9.1	74.9	133
66	14X0.5mm²	9.8	85.2	153
67	16X0.5mm²	10.4	95.6	174
68	18X0.5mm²	10.9	106.1	191
69	20X0.5mm²	11.6	116.6	213
70	25X0.5mm²	12.9	142.6	261
71	30X0.5mm²	13.6	167.3	300
72	37X0.5mm²	14.7	201.8	361
73	40X0.5mm²	15.4	216.8	391
74	2X0.75mm²	5.7	23.2	44
75	3X0.75mm²	6.0	30.8	55
76	4X0.75mm²	6.4	38.9	67
77	5X0.75mm²	7.2	47.1	82
78	6X0.75mm²	7.9	58.2	101
79	7X0.75mm²	7.9	65.1	110
80	8X0.75mm²	8.4	73.7	124
81	10X0.75mm²	9.9	91.2	155
82	12X0.75mm²	10.4	105.9	180
83	16X0.75mm²	11.6	136.4	230
84	18X0.75mm²	12.3	151.8	259
85	20X0.75mm²	12.8	167.3	282
86	25X0.75mm²	14.3	205.6	346
87	2X1.0mm²	6.5	29.3	56
88	3X1.0mm²	6.8	39.3	71
89	4X1.0mm²	7.6	52.6	93
90	5X1.0mm²	8.2	63.6	110
91	2X1.5mm²	7.3	43.2	76
92	3X1.5mm²	7.9	58.2	100
93	4X1.5mm²	8.5	73.9	123
94	5X1.5mm²	9.5	89.9	151

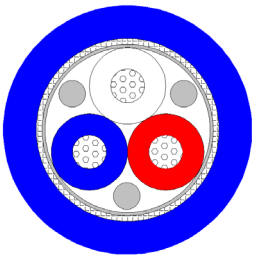
数据电缆 DATA CABLE

01

PUR-LI2YC11Y

CE 认证 低电容 PUR 护套柔性屏蔽数据电缆

CE certified low capacitance PUR sheathed flexible shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 EN60811-404；
电磁兼容 EMC 场合；
低电容数据电缆；
抗紫外线良好；
PUR 护套，抗撕裂及切割；
电缆外径小，节约安装空间；
良好的剥离性。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH；

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional movement without forced stress and fixed direction.

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Oil resistance, conform to EN60811-404;
EMC occasions;
Low capacitance data cable;
Good UV resistance;
PUR sheath, tear and cutting resistant;
The outer diameter of the cable is small, saving installation space;
Good peeling property.

Technical certification

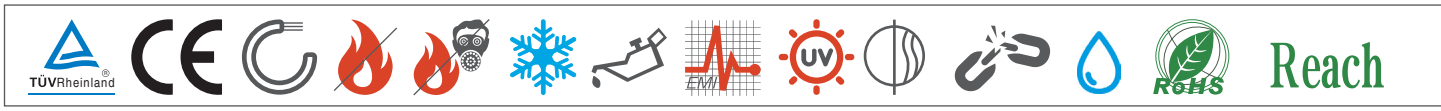
CE certification;
conform to VDE0812;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Polyethylene (PE) core wire insulation;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	21
2	3X0.14mm²	4.5	10.5	25
3	4X0.14mm²	4.8	12.5	28
4	5X0.14mm²	5.1	14.7	33
5	6X0.14mm²	5.4	16.9	37
6	7X0.14mm²	5.4	18.2	39
7	8X0.14mm²	5.9	20.4	45
8	10X0.14mm²	6.7	25.1	54
9	12X0.14mm²	6.9	28.2	60
10	14X0.14mm²	7.2	31.7	66
11	16X0.14mm²	7.7	37.9	78
12	18X0.14mm²	8.0	41.7	85
13	20X0.14mm²	8.3	45.4	92
14	25X0.14mm²	9.3	54.5	112
15	30X0.14mm²	9.8	62.7	127
16	36X0.14mm²	10.6	72.8	149
17	37X0.14mm²	10.6	74.2	151
18	40X0.14mm²	10.9	79.3	160
19	50X0.14mm²	12.6	96.6	202
20	2X0.25mm²	5.3	11.5	32
21	3X0.25mm²	5.7	14.2	39
22	4X0.25mm²	5.2	17.3	36
23	5X0.25mm²	5.6	20.5	42
24	6X0.25mm²	6.0	23.8	47
25	7X0.25mm²	6.0	26.0	51
26	8X0.25mm²	6.6	29.3	59
27	10X0.25mm²	7.5	38.8	74
28	12X0.25mm²	7.7	44.0	82
29	14X0.25mm²	8.2	49.5	95
30	16X0.25mm²	8.6	55.1	104
31	18X0.25mm²	9.2	60.8	117
32	20X0.25mm²	9.6	66.5	127
33	25X0.25mm²	10.7	80.6	155
34	30X0.25mm²	11.2	93.5	176
35	32X0.25mm²	11.8	99.1	191
36	36X0.25mm²	12.4	109.4	213
37	37X0.25mm²	12.4	111.6	216
38	40X0.25mm²	12.8	119.6	230
39	2X0.34mm²	4.9	13.6	29
40	3X0.34mm²	5.1	17.2	35
41	4X0.34mm²	5.5	21.2	41
42	5X0.34mm²	5.9	25.2	48
43	6X0.34mm²	6.3	29.4	55
44	7X0.34mm²	6.3	32.4	59
45	8X0.34mm²	6.9	36.6	68
46	10X0.34mm²	8.1	48.1	89
47	12X0.34mm²	8.3	54.9	100

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	111
49	16X0.34mm²	9.3	69.5	126
50	18X0.34mm²	9.7	76.9	138
51	20X0.34mm²	10.3	84.3	154
52	25X0.34mm²	11.5	102.6	188
53	30X0.34mm²	12.3	119.7	219
54	36X0.34mm²	13.1	140.6	253
55	37X0.34mm²	13.1	143.7	257
56	40X0.34mm²	13.7	154.2	279
57	2X0.5mm²	5.3	17.5	35
58	3X0.5mm²	5.5	22.6	43
59	4X0.5mm²	6.0	28.2	51
60	5X0.5mm²	6.4	33.9	60
61	6X0.5mm²	7.1	39.6	72
62	7X0.5mm²	7.1	44.1	78
63	8X0.5mm²	7.6	52.7	90
64	10X0.5mm²	8.9	65.1	113
65	12X0.5mm²	9.1	74.9	127
66	14X0.5mm²	9.8	85.2	146
67	16X0.5mm²	10.4	95.6	166
68	18X0.5mm²	10.9	106.1	182
69	20X0.5mm²	11.6	116.6	202
70	25X0.5mm²	12.9	142.6	248
71	30X0.5mm²	13.6	167.3	284
72	37X0.5mm²	14.7	201.8	341
73	40X0.5mm²	15.4	216.8	370
74	2X0.75mm²	5.7	23.2	43
75	3X0.75mm²	6.0	30.8	53
76	4X0.75mm²	6.4	38.9	65
77	5X0.75mm²	7.2	47.1	79
78	6X0.75mm²	7.9	58.2	97
79	7X0.75mm²	7.9	65.1	106
80	8X0.75mm²	8.4	73.7	119
81	10X0.75mm²	9.9	91.2	149
82	12X0.75mm²	10.4	105.9	173
83	16X0.75mm²	11.6	136.4	220
84	18X0.75mm²	12.3	151.8	247
85	20X0.75mm²	12.8	167.3	270
86	25X0.75mm²	14.3	205.6	330
87	2X1.0mm²	6.5	29.3	55
88	3X1.0mm²	6.8	39.3	68
89	4X1.0mm²	7.6	52.6	89
90	5X1.0mm²	8.2	63.6	105
91	2X1.5mm²	7.3	43.2	73
92	3X1.5mm²	7.9	58.2	96
93	4X1.5mm²	8.5	73.9	118
94	5X1.5mm²	9.5	89.9	145

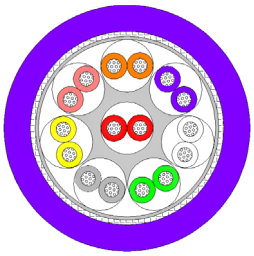
数据电缆 DATA CABLE

01

PUR-LIYC11Y-TP

CE 认证 PUR 护套柔性对绞屏蔽数据电缆

CE certified PUR sheathed flexible twisted pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

阻燃性，符合 IEC60332-1-2;
耐油性，符合 EN60811-404;
柔性，易弯曲;
对绞结构可使电路去耦（串音效果）;
电磁兼容 EMC 场合;
良好的剥离性;
偶尔移动。

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Oil resistance, conform to EN60811-404;
Flexible, easy to bend;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Good peeling property;
Occasional movement.

技术认证

CE 认证;
符合 VDE0812;
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
PVC 芯线绝缘;
芯线绞合成对;
镀锡铜丝编织屏蔽，大约 80% 覆盖率;
PUR 外护套;
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core twisted pair;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：
　　线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance:
　　wire core/wire core: about 120nF/km;
　　Core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	22
2	2X2X0.14mm²	5.8	14.7	37
3	3X2X0.14mm²	6.4	18.4	47
4	4X2X0.14mm²	6.9	22.3	55
5	5X2X0.14mm²	7.4	26.3	63
6	6X2X0.14mm²	7.9	27.8	65
7	7X2X0.14mm²	7.9	30.6	70
8	8X2X0.14mm²	8.7	40.4	92
9	10X2X0.14mm²	10.2	49.6	116
10	12X2X0.14mm²	10.6	55.9	132
11	16X2X0.14mm²	11.8	69.8	165
12	20X2X0.14mm²	12.9	84.0	195
13	25X2X0.14mm²	14.4	101.4	237
14	1X2X0.25mm²	4.7	11.5	27
15	2X2X0.25mm²	6.5	19.9	46
16	3X2X0.25mm²	7.1	25.5	59
17	4X2X0.25mm²	7.7	34.2	73
18	5X2X0.25mm²	8.5	40.6	89
19	6X2X0.25mm²	9.3	47.0	105
20	7X2X0.25mm²	9.3	51.6	112
21	8X2X0.25mm²	10.2	58.0	129
22	10X2X0.25mm²	11.7	71.5	157
23	12X2X0.25mm²	12.2	81.6	180
24	16X2X0.25mm²	11.4	103.2	172
25	20X2X0.25mm²	14.9	125.2	269
26	25X2X0.25mm²	16.6	152.3	327
27	1X2X0.34mm²	4.9	13.6	30
28	2X2X0.34mm²	7.0	23.9	55
29	3X2X0.34mm²	7.5	34.0	70

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	84
31	5X2X0.34mm²	8.9	50.0	102
32	6X2X0.34mm²	9.8	58.2	120
33	7X2X0.34mm²	9.8	64.4	130
34	8X2X0.34mm²	10.7	72.6	150
35	10X2X0.34mm²	12.5	89.7	187
36	12X2X0.34mm²	12.9	103.1	209
37	16X2X0.34mm²	14.4	131.4	265
38	1X2X0.5mm²	5.3	17.5	36
39	2X2X0.5mm²	7.6	34.1	69
40	3X2X0.5mm²	8.2	44.8	87
41	4X2X0.5mm²	9.1	55.9	108
42	5X2X0.5mm²	10.0	67.2	131
43	6X2X0.5mm²	11.0	60.5	128
44	7X2X0.5mm²	11.0	69.6	142
45	8X2X0.5mm²	12.0	99.2	194
46	10X2X0.5mm²	14.1	122.8	242
47	12X2X0.5mm²	14.5	142.1	273
48	16X2X0.5mm²	16.1	182.7	346
49	1X2X0.75mm²	5.9	23.2	46
50	2X2X0.75mm²	8.3	45.5	85
51	3X2X0.75mm²	9.1	61.2	112
52	4X2X0.75mm²	10.1	77.3	141
53	5X2X0.75mm²	11.1	93.6	171
54	6X2X0.75mm²	12.2	110.1	202
55	1X2X1.0mm²	6.5	29.3	56
56	2X2X1.0mm²	9.6	57.5	112
57	3X2X1.0mm²	10.6	78.2	148
58	4X2X1.0mm²	11.5	99.3	181

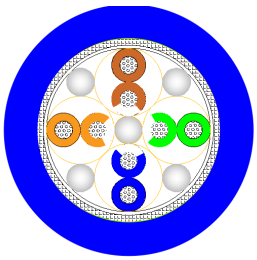
数据电缆 DATA CABLE

01

PUR-LI2YC11Y-TP

CE 认证 低电容 PUR 护套柔性对绞屏蔽数据电缆

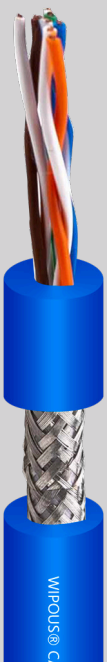
CE certified low capacitance PUR sheathed flexible twisted pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- PUR-LIY11Y
- PUR-LI2Y11Y
- PUR-LIYC11Y
- PUR-LI2YC11Y
- PUR-LIYC11Y-TP
- PUR-LI2YC11Y-TP
- PUR-LI2YC11Y PiMF
- LiYPV
- LiYCPV
- LiYCPV-TP
- Li2YPV
- Li2YCPV
- Li2YCPV-TP
- AWM 20233
- AWM 20549
- AWM 20936
- AWM 20233-S
- AWM 20549-S
- AWM 20936-S
- AWM 20233-SP
- AWM 20549-SP
- AWM 20936-SP
- AWM 21481
- AWM 21481-S
- AWM 21481-SP
- AWM 21002
- AWM 21002-S
- AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，适用于 RS422 和 RS485 系列接口。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction, and for RS422 and RS485 series interfaces.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 EN60811-404；
柔性，易弯曲；
低电容数据电缆；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
良好的剥离性；
偶尔移动。

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Oil resistance, conform to EN60811-404;
Flexible, easy to bend;
Low capacitance data cable;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

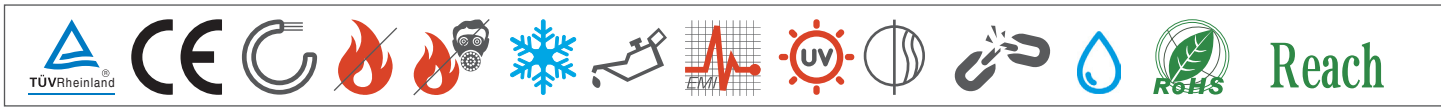
CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Polyethylene (PE) core wire insulation;
Core twisted pair;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	22
2	2X2X0.14mm²	5.8	14.7	36
3	3X2X0.14mm²	6.4	18.4	45
4	4X2X0.14mm²	6.9	22.3	53
5	5X2X0.14mm²	7.4	26.3	61
6	6X2X0.14mm²	7.9	27.8	62
7	7X2X0.14mm²	7.9	30.6	67
8	8X2X0.14mm²	8.7	40.4	88
9	10X2X0.14mm²	10.2	49.6	110
10	12X2X0.14mm²	10.6	55.9	125
11	16X2X0.14mm²	11.8	69.8	156
12	20X2X0.14mm²	12.9	84.0	184
13	25X2X0.14mm²	14.4	101.4	223
14	1X2X0.25mm²	4.7	11.5	26
15	2X2X0.25mm²	6.5	19.9	44
16	3X2X0.25mm²	7.1	25.5	57
17	4X2X0.25mm²	7.7	34.2	70
18	5X2X0.25mm²	8.5	40.6	85
19	6X2X0.25mm²	9.3	47.0	100
20	7X2X0.25mm²	9.3	51.6	107
21	8X2X0.25mm²	10.2	58.0	123
22	10X2X0.25mm²	11.7	71.5	149
23	12X2X0.25mm²	12.2	81.6	170
24	16X2X0.25mm²	11.4	103.2	160
25	20X2X0.25mm²	14.9	125.2	253
26	25X2X0.25mm²	16.6	152.3	308
27	1X2X0.34mm²	4.9	13.6	29
28	2X2X0.34mm²	7.0	23.9	53
29	3X2X0.34mm²	7.5	34.0	68

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	81
31	5X2X0.34mm²	8.9	50.0	97
32	6X2X0.34mm²	9.8	58.2	115
33	7X2X0.34mm²	9.8	64.4	124
34	8X2X0.34mm²	10.7	72.6	143
35	10X2X0.34mm²	12.5	89.7	178
36	12X2X0.34mm²	12.9	103.1	199
37	16X2X0.34mm²	14.4	131.4	251
38	1X2X0.5mm²	5.3	17.5	35
39	2X2X0.5mm²	7.6	34.1	67
40	3X2X0.5mm²	8.2	44.8	83
41	4X2X0.5mm²	9.1	55.9	104
42	5X2X0.5mm²	10.0	67.2	126
43	6X2X0.5mm²	11.0	60.5	124
44	7X2X0.5mm²	11.0	69.6	136
45	8X2X0.5mm²	12.0	99.2	185
46	10X2X0.5mm²	14.1	122.8	231
47	12X2X0.5mm²	14.5	142.1	260
48	16X2X0.5mm²	16.1	182.7	329
49	1X2X0.75mm²	5.9	23.2	45
50	2X2X0.75mm²	8.3	45.5	82
51	3X2X0.75mm²	9.1	61.2	108
52	4X2X0.75mm²	10.1	77.3	135
53	5X2X0.75mm²	11.1	93.6	164
54	6X2X0.75mm²	12.2	110.1	194
55	1X2X1.0mm²	6.5	29.3	55
56	2X2X1.0mm²	9.6	57.5	108
57	3X2X1.0mm²	10.6	78.2	142
58	4X2X1.0mm²	11.5	99.3	173

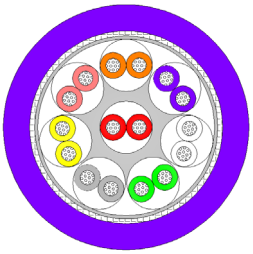
数据电缆 DATA CABLE

01

PUR-LI2YC11Y PiMF

CE 认证 低电容 PUR 护套柔性对绞分屏 + 总屏数据电缆

CE certified low capacitance PUR sheathed flexible pair split screen +collective screen data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。线对单独屏蔽加整体镀锡铜丝屏蔽层大幅度减少电子干扰，满足客户对于近端串音减弱和抗电子干扰性能越发严格的要求。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. The separate shielding of the line pair plus the overall tinned copper wire shielding layer can greatly reduce electronic interference, meeting customers' increasingly strict requirements for near end crosstalk reduction and anti electronic interference performance.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 EN60811-404；
对绞结构可使电路去耦（串音效果）；
线对单独屏蔽；
电磁兼容 EMC 场合；
低电容数据电缆；
有效防护电场造成的电容影响；
良好的剥离性。

Product characteristics

Flame retardant, conform to IEC60332-1-2;
Oil resistance, conform to EN60811-404;
The twisted pair structure can decouple the circuit (crosstalk effect);
Wire pair shielded separately;
EMC occasions;
Low capacitance data cable;
Effectively protect the capacitance impact caused by electric field;
Good peeling property.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

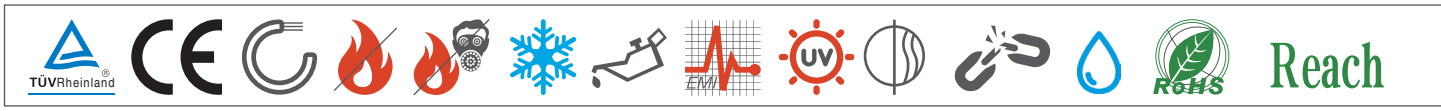
CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

7 根（0.34mm² 以下）或多股束绞裸铜丝；
聚乙烯（PE）芯线绝缘；
芯线绞合成对；
线对加排流线后用铝塑复合带包裹；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

7 pcs. (Less than 0.34mm ²) or stranded bare copper wire;
Polyethylene (PE) core wire insulation;
Core twisted pair;
Wrap the line pair with aluminum plastic composite tape after adding drain line;
Tinned copper wire braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 100MΩ x km；
测试电压：1500V；
电容：
　　≤ 0.34mm² 最大 70nF/km；
　　0.5mm² 最大 75nF/km；
　　1.0mm² 最大 85nF/km。
电感：约 0.65mH/km
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：10X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color standard;
Rated voltage: 300V;
Insulation resistance: > 100M Ω x km;
Test voltage: 1500V;
Capacitance:
　　≤ 0.34mm² Maximum 70nF/km;
　　0.5mm² Maximum 75nF/km;
　　1.0mm² Maximum 85nF/km.
Inductance: about 0.65mH/km
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 10X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X2X0.22mm²	7.5	28.5	63
2	3X2X0.22mm²	7.9	36.1	75
3	4X2X0.22mm²	8.7	44.3	93
4	5X2X0.22mm²	9.4	52.7	108
5	6X2X0.22mm²	10.3	61.2	127
6	8X2X0.22mm²	11.0	76.0	152
7	10X2X0.22mm²	12.9	93.7	190
8	2X2X0.34mm²	7.8	36.6	73
9	3X2X0.34mm²	8.3	47.7	89
10	4X2X0.34mm²	9.2	59.5	111
11	5X2X0.34mm²	10.1	71.5	134
12	6X2X0.34mm²	10.8	83.7	153
13	8X2X0.34mm²	11.8	105.5	191
14	10X2X0.34mm²	13.6	130.5	233

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
15	2X2X0.5mm²	8.6	48.0	89
16	3X2X0.5mm²	9.3	63.8	115
17	4X2X0.5mm²	10.2	80.5	143
18	5X2X0.5mm²	11.3	97.3	173
19	6X2X0.5mm²	12.1	86.1	162
20	8X2X0.5mm²	13.0	145.5	243
21	10X2X0.5mm²	15.4	180.5	310
22	2X2X0.75mm²	9.5	60.2	109
23	3X2X0.75mm²	10.3	81.1	141
24	4X2X0.75mm²	11.3	102.9	177
25	2X2X1.0mm²	11.0	73.2	139
26	3X2X1.0mm²	11.6	99.2	175
27	4X2X1.0mm²	12.6	126.3	213

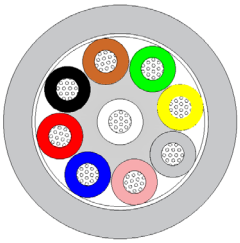
数据电缆 DATA CABLE

01

LiYPV

CE 认证 TPV 护套柔性数据电缆

CE certified TPV sheathed flexible data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office equipment, measuring devices, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance.

产品特性

阻燃性，符合 IEC60332-1-2;
耐油性，符合 ISO6722;
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

Product characteristics

Flame retardancy, conform to IEC60332-1-2;
Oil resistance, conform to ISO6722;
Tear resistance and cut resistance;
UV resistance, hydrolysis resistance, and salt spray resistance.

技术认证

CE 认证；
符合 VDE0812;
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
PVC 芯线绝缘;
TPV 外护套;
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标;
额定电压：300V;
绝缘电阻：> 20MΩ x km;
测试电压：1500V;
电容：约 120nF/km;
电感：约 0.65mH/km;
温度范围：
　　固定安装：-40 至+ 80℃;
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径;
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 1500V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +80℃;
　　mobile installation: -5 to +70℃.
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	7X0.14mm²	4.9	9.5	35
7	8X0.14mm²	5.2	10.8	40
8	10X0.14mm²	6.2	13.5	54
9	12X0.14mm²	6.4	16.2	59
10	14X0.14mm²	6.7	18.9	66
11	16X0.14mm²	7.0	21.6	72
12	18X0.14mm²	7.3	24.3	80
13	20X0.14mm²	7.6	27.0	88
14	25X0.14mm²	8.6	33.8	111
15	36X0.14mm²	9.9	48.6	150
16	37X0.14mm²	9.9	50.0	151
17	40X0.14mm²	10.2	54.0	162
18	50X0.14mm²	11.9	67.5	214
19	2X0.25mm²	4.2	4.5	24
20	3X0.25mm²	4.4	6.8	27
21	4X0.25mm²	4.7	9.0	33
22	5X0.25mm²	5.1	11.3	39
23	6X0.25mm²	5.5	13.5	45
24	7X0.25mm²	5.5	15.8	47
25	8X0.25mm²	6.1	18.0	57
26	10X0.25mm²	7.0	22.5	74
27	12X0.25mm²	7.2	27.0	81
28	14X0.25mm²	7.5	31.5	90
29	16X0.25mm²	8.1	36.0	104
30	18X0.25mm²	8.5	40.5	115
31	20X0.25mm²	8.9	45.0	126
32	25X0.25mm²	10.0	56.3	159
33	30X0.25mm²	10.5	67.5	180
34	32X0.25mm²	11.1	72.0	198
35	36X0.25mm²	11.7	81.0	221
36	37X0.25mm²	11.7	83.3	222
37	40X0.25mm²	12.1	90.0	238
38	2X0.34mm²	4.4	6.1	27
39	3X0.34mm²	4.6	9.2	32
40	4X0.34mm²	5.0	12.2	38
41	5X0.34mm²	5.4	15.3	46
42	6X0.34mm²	5.8	18.3	53
43	7X0.34mm²	5.8	21.4	56
44	8X0.34mm²	6.4	24.4	67
45	10X0.34mm²	7.4	30.5	87
46	12X0.34mm²	7.6	36.6	96

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	108
48	16X0.34mm²	8.6	48.8	124
49	18X0.34mm²	9.0	54.9	137
50	20X0.34mm²	9.4	61.0	151
51	25X0.34mm²	10.6	76.3	191
52	30X0.34mm²	11.4	91.5	223
53	36X0.34mm²	12.4	109.8	265
54	37X0.34mm²	12.4	112.9	268
55	40X0.34mm²	13.0	122.0	294
56	2X0.5mm²	4.8	9.0	33
57	3X0.5mm²	5.0	13.5	40
58	4X0.5mm²	5.5	18.0	48
59	5X0.5mm²	5.9	22.5	58
60	6X0.5mm²	6.6	27.0	71
61	7X0.5mm²	6.6	31.5	75
62	8X0.5mm²	7.1	36.0	86
63	10X0.5mm²	8.4	45.0	116
64	12X0.5mm²	8.6	54.0	128
65	14X0.5mm²	9.1	63.0	144
66	16X0.5mm²	9.7	72.0	165
67	18X0.5mm²	10.4	81.0	188
68	20X0.5mm²	10.9	90.0	207
69	25X0.5mm²	12.2	112.5	259
70	30X0.5mm²	13.1	135.0	302
71	37X0.5mm²	14.0	166.5	356
72	40X0.5mm²	14.7	180.0	389
73	2X0.75mm²	5.2	13.7	42
74	3X0.75mm²	5.5	20.5	50
75	4X0.75mm²	5.9	27.4	62
76	5X0.75mm²	6.7	34.2	78
77	6X0.75mm²	7.2	41.0	92
78	7X0.75mm²	7.2	47.9	97
79	8X0.75mm²	7.7	54.7	112
80	10X0.75mm²	9.4	68.4	155
81	12X0.75mm²	9.7	82.1	172
82	16X0.75mm²	10.9	109.4	221
83	18X0.75mm²	11.6	123.1	251
84	20X0.75mm²	12.1	136.8	277
85	25X0.75mm²	13.6	171.0	346
86	2X1.0mm²	5.8	18.3	53
87	3X1.0mm²	6.1	27.4	64
88	4X1.0mm²	6.7	36.5	80
89	5X1.0mm²	7.3	45.7	96
90	2X1.5mm²	6.6	27.4	71
91	3X1.5mm²	7.0	41.1	88
92	4X1.5mm²	7.8	54.8	113

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

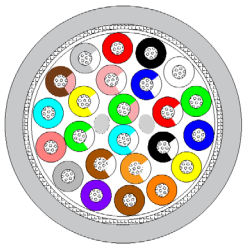
PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
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AWM 20233-S
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AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



LiYCPV

CE 认证 TPV 护套柔性屏蔽数据电缆

CE certified TPV sheathed flexible shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. They are ideal for industrial environments requiring excellent mechanical performance and chemical resistance. The overall tinned copper wire shielding layer is particularly suitable for applications needing anti-electromagnetic interference.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 ISO6722；
电磁兼容 EMC 场合；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

Product characteristics

Flame retardancy, conform to IEC60332-1-2;
Oil resistance, conform to ISO6722;
Suitable for electromagnetic compatibility (EMC) occasions;
Tear resistance and cut resistance;
UV resistance, hydrolysis resistance, and salt spray resistance.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPV 外护套；
外护套灰色（RAL7001）。

Cable structure

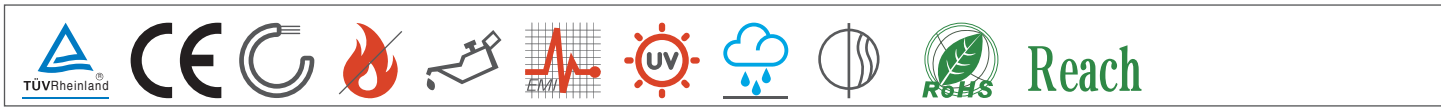
Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Tinned copper wire braided shielding, approximately 80% coverage;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 1500V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +80℃ ;
　　mobile installation: -5 to +70℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	24
2	3X0.14mm²	4.5	10.5	27
3	4X0.14mm²	4.8	12.5	32
4	5X0.14mm²	5.1	14.7	36
5	6X0.14mm²	5.4	16.9	41
6	7X0.14mm²	5.4	18.2	43
7	8X0.14mm²	5.9	20.4	50
8	10X0.14mm²	6.7	25.1	60
9	12X0.14mm²	6.9	28.2	67
10	14X0.14mm²	7.2	31.7	74
11	16X0.14mm²	7.7	37.9	87
12	18X0.14mm²	8.0	41.7	94
13	20X0.14mm²	8.3	45.4	102
14	25X0.14mm²	9.3	54.5	125
15	30X0.14mm²	9.8	62.7	141
16	36X0.14mm²	10.6	72.8	166
17	37X0.14mm²	10.6	74.2	169
18	40X0.14mm²	10.9	79.3	179
19	50X0.14mm²	12.6	96.6	226
20	2X0.25mm²	5.3	11.5	36
21	3X0.25mm²	5.7	14.2	44
22	4X0.25mm²	5.2	17.3	40
23	5X0.25mm²	5.6	20.5	46
24	6X0.25mm²	6.0	23.8	52
25	7X0.25mm²	6.0	26.0	56
26	8X0.25mm²	6.6	29.3	65
27	10X0.25mm²	7.5	38.8	82
28	12X0.25mm²	7.7	44.0	91
29	14X0.25mm²	8.2	49.5	104
30	16X0.25mm²	8.6	55.1	115
31	18X0.25mm²	9.2	60.8	130
32	20X0.25mm²	9.6	66.5	140
33	25X0.25mm²	10.7	80.6	172
34	30X0.25mm²	11.2	93.5	195
35	32X0.25mm²	11.8	99.1	211
36	36X0.25mm²	12.4	109.4	236
37	37X0.25mm²	12.4	111.6	240
38	40X0.25mm²	12.8	119.6	255
39	2X0.34mm²	4.9	13.6	32
40	3X0.34mm²	5.1	17.2	38
41	4X0.34mm²	5.5	21.2	45
42	5X0.34mm²	5.9	25.2	52
43	6X0.34mm²	6.3	29.4	60
44	7X0.34mm²	6.3	32.4	65
45	8X0.34mm²	6.9	36.6	75
46	10X0.34mm²	8.1	48.1	98
47	12X0.34mm²	8.3	54.9	109

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	122
49	16X0.34mm²	9.3	69.5	138
50	18X0.34mm²	9.7	76.9	151
51	20X0.34mm²	10.3	84.3	169
52	25X0.34mm²	11.5	102.6	207
53	30X0.34mm²	12.3	119.7	241
54	36X0.34mm²	13.1	140.6	278
55	37X0.34mm²	13.1	143.7	283
56	40X0.34mm²	13.7	154.2	308
57	2X0.5mm²	5.3	17.5	38
58	3X0.5mm²	5.5	22.6	47
59	4X0.5mm²	6.0	28.2	56
60	5X0.5mm²	6.4	33.9	65
61	6X0.5mm²	7.1	39.6	78
62	7X0.5mm²	7.1	44.1	85
63	8X0.5mm²	7.6	52.7	98
64	10X0.5mm²	8.9	65.1	123
65	12X0.5mm²	9.1	74.9	138
66	14X0.5mm²	9.8	85.2	159
67	16X0.5mm²	10.4	95.6	181
68	18X0.5mm²	10.9	106.1	199
69	20X0.5mm²	11.6	116.6	222
70	25X0.5mm²	12.9	142.6	271
71	30X0.5mm²	13.6	167.3	311
72	37X0.5mm²	14.7	201.8	373
73	40X0.5mm²	15.4	216.8	405
74	2X0.75mm²	5.7	23.2	46
75	3X0.75mm²	6.0	30.8	57
76	4X0.75mm²	6.4	38.9	70
77	5X0.75mm²	7.2	47.1	86
78	6X0.75mm²	7.9	58.2	105
79	7X0.75mm²	7.9	65.1	115
80	8X0.75mm²	8.4	73.7	128
81	10X0.75mm²	9.9	91.2	161
82	12X0.75mm²	10.4	105.9	187
83	16X0.75mm²	11.6	136.4	239
84	18X0.75mm²	12.3	151.8	268
85	20X0.75mm²	12.8	167.3	292
86	25X0.75mm²	14.3	205.6	358
87	2X1.0mm²	6.5	29.3	59
88	3X1.0mm²	6.8	39.3	74
89	4X1.0mm²	7.6	52.6	97
90	5X1.0mm²	8.2	63.6	114
91	2X1.5mm²	7.3	43.2	79
92	3X1.5mm²	7.9	58.2	104
93	4X1.5mm²	8.5	73.9	128
94	5X1.5mm²	9.5	89.9	156

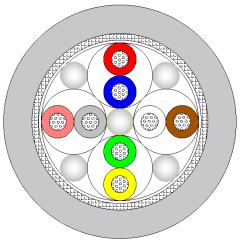
数据电缆 DATA CABLE

01

LiYCPV-TP

CE 认证 TPV 护套柔性对绞屏蔽数据电缆

CE certified TPV sheathed flexible twisted-pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. They are applicable in industrial environments requiring excellent mechanical performance and chemical resistance. The overall tinned copper wire shielding layer is particularly suitable for applications needing anti-electromagnetic interference, and is suitable for fixed installation as well as occasional movement without forced stress or fixed direction.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 ISO6722；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

Product characteristics

Flame retardancy, conform to IEC60332-1-2;
Oil resistance, conform to ISO6722;
Twisted-pair structure enables circuit decoupling (crosstalk effect);
Suitable for electromagnetic compatibility (EMC) occasions;
Tear resistance and cut resistance;
UV resistance, hydrolysis resistance, and salt spray resistance.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPV 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Cores twisted into pairs;
Tinned copper wire braided shielding, approximately 80% coverage;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 1500V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range: ;
　　fixed installation: −40 to +80℃ ;
　　mobile installation: −5 to +70℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	24
2	2X2X0.14mm²	5.8	14.7	40
3	3X2X0.14mm²	6.4	18.4	50
4	4X2X0.14mm²	6.9	22.3	59
5	5X2X0.14mm²	7.4	26.3	67
6	6X2X0.14mm²	7.9	27.8	69
7	7X2X0.14mm²	7.9	30.6	74
8	8X2X0.14mm²	8.7	40.4	98
9	10X2X0.14mm²	10.2	49.6	123
10	12X2X0.14mm²	10.6	55.9	140
11	16X2X0.14mm²	11.8	69.8	175
12	20X2X0.14mm²	12.9	84.0	205
13	25X2X0.14mm²	14.4	101.4	249
14	1X2X0.25mm²	4.7	11.5	29
15	2X2X0.25mm²	6.5	19.9	49
16	3X2X0.25mm²	7.1	25.5	63
17	4X2X0.25mm²	7.7	34.2	78
18	5X2X0.25mm²	8.5	40.6	94
19	6X2X0.25mm²	9.3	47.0	111
20	7X2X0.25mm²	9.3	51.6	119
21	8X2X0.25mm²	10.2	58.0	136
22	10X2X0.25mm²	11.7	71.5	165
23	12X2X0.25mm²	12.2	81.6	189
24	16X2X0.25mm²	11.4	103.2	175
25	20X2X0.25mm²	14.9	125.2	281
26	25X2X0.25mm²	16.6	152.3	342
27	1X2X0.34mm²	4.9	13.6	32
28	2X2X0.34mm²	7.0	23.9	58
29	3X2X0.34mm²	7.5	34.0	74

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	89
31	5X2X0.34mm²	8.9	50.0	107
32	6X2X0.34mm²	9.8	58.2	127
33	7X2X0.34mm²	9.8	64.4	137
34	8X2X0.34mm²	10.7	72.6	157
35	10X2X0.34mm²	12.5	89.7	197
36	12X2X0.34mm²	12.9	103.1	220
37	16X2X0.34mm²	14.4	131.4	277
38	1X2X0.5mm²	5.3	17.5	38
39	2X2X0.5mm²	7.6	34.1	73
40	3X2X0.5mm²	8.2	44.8	91
41	4X2X0.5mm²	9.1	55.9	114
42	5X2X0.5mm²	10.0	67.2	138
43	6X2X0.5mm²	11.0	60.5	136
44	7X2X0.5mm²	11.0	69.6	150
45	8X2X0.5mm²	12.0	99.2	203
46	10X2X0.5mm²	14.1	122.8	254
47	12X2X0.5mm²	14.5	142.1	285
48	16X2X0.5mm²	16.1	182.7	361
49	1X2X0.75mm²	5.9	23.2	49
50	2X2X0.75mm²	8.3	45.5	89
51	3X2X0.75mm²	9.1	61.2	117
52	4X2X0.75mm²	10.1	77.3	147
53	5X2X0.75mm²	11.1	93.6	179
54	6X2X0.75mm²	12.2	110.1	211
55	1X2X1.0mm²	6.5	29.3	60
56	2X2X1.0mm²	9.6	57.5	118
57	3X2X1.0mm²	10.6	78.2	155
58	4X2X1.0mm²	11.5	99.3	189

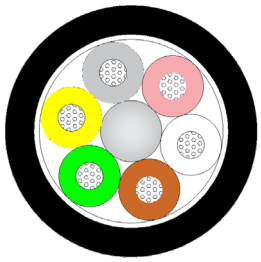
数据电缆 DATA CABLE

01

Li2YPV

CE 认证低电容 TPV 护套柔性数据电缆

CE certified low-capacity TPV sheathed flexible data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- PUR-LIY11Y
- PUR-LI2Y11Y
- PUR-LIYC11Y
- PUR-LI2YC11Y
- PUR-LIYC11Y-TP
- PUR-LI2YC11Y-TP
- PUR-LI2YC11Y PiMF
- LiYPV
- LiYCPV
- LiYCPV-TP
- Li2YPV ➤
- Li2YCPV
- Li2YCPV-TP
- AWM 20233
- AWM 20549
- AWM 20936
- AWM 20233-S
- AWM 20549-S
- AWM 20936-S
- AWM 20233-SP
- AWM 20549-SP
- AWM 20936-SP
- AWM 21481
- AWM 21481-S
- AWM 21481-SP
- AWM 21002
- AWM 21002-S
- AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 ISO6722；
低电容设计；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

Product characteristics

Flame retardancy, conform to IEC60332-1-2;
Oil resistance, conform to ISO6722;
Low-capacitance design;
Tear resistance and cut resistance;
UV resistance, hydrolysis resistance, and salt spray resistance.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
TPV 外护套；
外护套灰色（RAL7001）。

Cable structure

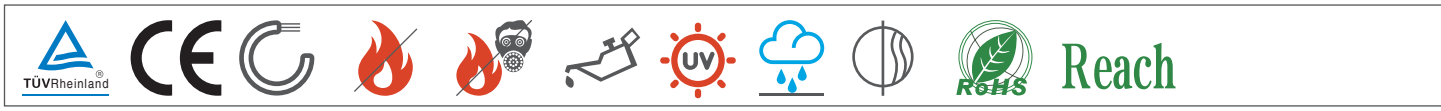
Stranded bare copper, conform to IEC60228, Class 5;
Polyethylene (PE) core insulation;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-40 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 100MΩ x km;
Test voltage: 1500V;
Capacitance: approximately 70nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +80℃ ;
　　mobile installation: -40 to +80℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	7X0.14mm²	4.9	9.5	35
7	8X0.14mm²	5.2	10.8	40
8	10X0.14mm²	6.2	13.5	54
9	12X0.14mm²	6.4	16.2	59
10	14X0.14mm²	6.7	18.9	66
11	16X0.14mm²	7.0	21.6	72
12	18X0.14mm²	7.3	24.3	80
13	20X0.14mm²	7.6	27.0	88
14	25X0.14mm²	8.6	33.8	111
15	36X0.14mm²	9.9	48.6	150
16	37X0.14mm²	9.9	50.0	151
17	40X0.14mm²	10.2	54.0	162
18	50X0.14mm²	11.9	67.5	214
19	2X0.25mm²	4.2	4.5	24
20	3X0.25mm²	4.4	6.8	27
21	4X0.25mm²	4.7	9.0	33
22	5X0.25mm²	5.1	11.3	39
23	6X0.25mm²	5.5	13.5	45
24	7X0.25mm²	5.5	15.8	47
25	8X0.25mm²	6.1	18.0	57
26	10X0.25mm²	7.0	22.5	74
27	12X0.25mm²	7.2	27.0	81
28	14X0.25mm²	7.5	31.5	90
29	16X0.25mm²	8.1	36.0	104
30	18X0.25mm²	8.5	40.5	115
31	20X0.25mm²	8.9	45.0	126
32	25X0.25mm²	10.0	56.3	159
33	30X0.25mm²	10.5	67.5	180
34	32X0.25mm²	11.1	72.0	198
35	36X0.25mm²	11.7	81.0	221
36	37X0.25mm²	11.7	83.3	222
37	40X0.25mm²	12.1	90.0	238
38	2X0.34mm²	4.4	6.1	27
39	3X0.34mm²	4.6	9.2	32
40	4X0.34mm²	5.0	12.2	38
41	5X0.34mm²	5.4	15.3	46
42	6X0.34mm²	5.8	18.3	53
43	7X0.34mm²	5.8	21.4	56
44	8X0.34mm²	6.4	24.4	67
45	10X0.34mm²	7.4	30.5	87
46	12X0.34mm²	7.6	36.6	96

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
47	14X0.34mm²	8.0	42.7	108
48	16X0.34mm²	8.6	48.8	124
49	18X0.34mm²	9.0	54.9	137
50	20X0.34mm²	9.4	61.0	151
51	25X0.34mm²	10.6	76.3	191
52	30X0.34mm²	11.4	91.5	223
53	36X0.34mm²	12.4	109.8	265
54	37X0.34mm²	12.4	112.9	268
55	40X0.34mm²	13.0	122.0	294
56	2X0.5mm²	4.8	9.0	33
57	3X0.5mm²	5.0	13.5	40
58	4X0.5mm²	5.5	18.0	48
59	5X0.5mm²	5.9	22.5	58
60	6X0.5mm²	6.6	27.0	71
61	7X0.5mm²	6.6	31.5	75
62	8X0.5mm²	7.1	36.0	86
63	10X0.5mm²	8.4	45.0	116
64	12X0.5mm²	8.6	54.0	128
65	14X0.5mm²	9.1	63.0	144
66	16X0.5mm²	9.7	72.0	165
67	18X0.5mm²	10.4	81.0	188
68	20X0.5mm²	10.9	90.0	207
69	25X0.5mm²	12.2	112.5	259
70	30X0.5mm²	13.1	135.0	302
71	37X0.5mm²	14.0	166.5	356
72	40X0.5mm²	14.7	180.0	389
73	2X0.75mm²	5.2	13.7	42
74	3X0.75mm²	5.5	20.5	50
75	4X0.75mm²	5.9	27.4	62
76	5X0.75mm²	6.7	34.2	78
77	6X0.75mm²	7.2	41.0	92
78	7X0.75mm²	7.2	47.9	97
79	8X0.75mm²	7.7	54.7	112
80	10X0.75mm²	9.4	68.4	155
81	12X0.75mm²	9.7	82.1	172
82	16X0.75mm²	10.9	109.4	221
83	18X0.75mm²	11.6	123.1	251
84	20X0.75mm²	12.1	136.8	277
85	25X0.75mm²	13.6	171.0	346
86	2X1.0mm²	5.8	18.3	53
87	3X1.0mm²	6.1	27.4	64
88	4X1.0mm²	6.7	36.5	80
89	5X1.0mm²	7.3	45.7	96
90	2X1.5mm²	6.6	27.4	71
91	3X1.5mm²	7.0	41.1	88
92	4X1.5mm²	7.8	54.8	113

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

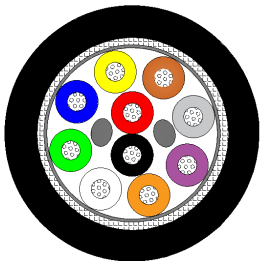
- PUR-LIY11Y
- PUR-LI2Y11Y
- PUR-LIYC11Y
- PUR-LI2YC11Y
- PUR-LIYC11Y-TP
- PUR-LI2YC11Y-TP
- PUR-LI2YC11Y PiMF
- LiYPV
- LiYCPV
- LiYCPV-TP
- Li2YPV
- Li2YCPV
- Li2YCPV-TP
- AWM 20233
- AWM 20549
- AWM 20936
- AWM 20233-S
- AWM 20549-S
- AWM 20936-S
- AWM 20233-SP
- AWM 20549-SP
- AWM 20936-SP
- AWM 21481
- AWM 21481-S
- AWM 21481-SP
- AWM 21002
- AWM 21002-S
- AWM 21002-SP



Li2YCPV

CE 认证低电容 TPV 护套柔性屏蔽数据电缆

CE certified low-capacity TPV sheathed flexible shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 ISO6722；
低电容设计；
电磁兼容 EMC 场合；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPV 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-40 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. They are applicable in industrial environments requiring excellent mechanical performance and chemical resistance. The overall tinned copper wire shielding layer is particularly suitable for applications needing anti-electromagnetic interference, and is suitable for fixed installation as well as occasional movement without forced stress or fixed direction.

Product characteristics

Flame retardancy, conform to IEC60332-1-2;
Oil resistance, conform to ISO6722;
Low-capacitance design;
Suitable for electromagnetic compatibility (EMC) occasions;
Tear resistance and cut resistance;
UV resistance, hydrolysis resistance, and salt spray resistance.

Technical certification

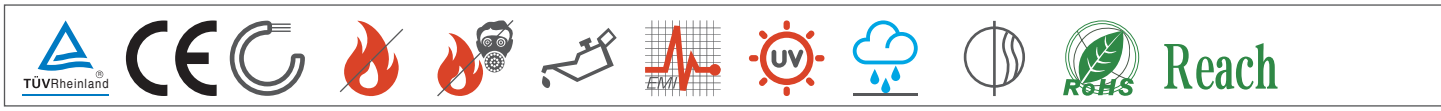
CE certification;
conform to VDE0812;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Polyethylene (PE) core insulation;
Tinned copper wire braided shielding, approximately 80% coverage;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 100MΩ x km;
Test voltage: 1500V;
Capacitance: approximately 70nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +80℃ ;
　　mobile installation: -40 to +80℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.3	8.7	23
2	3X0.14mm²	4.5	10.5	26
3	4X0.14mm²	4.8	12.5	30
4	5X0.14mm²	5.1	14.7	35
5	6X0.14mm²	5.4	16.9	39
6	7X0.14mm²	5.4	18.2	41
7	8X0.14mm²	5.9	20.4	48
8	10X0.14mm²	6.7	25.1	58
9	12X0.14mm²	6.9	28.2	63
10	14X0.14mm²	7.2	31.7	70
11	16X0.14mm²	7.7	37.9	82
12	18X0.14mm²	8.0	41.7	89
13	20X0.14mm²	8.3	45.4	96
14	25X0.14mm²	9.3	54.5	118
15	30X0.14mm²	9.8	62.7	133
16	36X0.14mm²	10.6	72.8	156
17	37X0.14mm²	10.6	74.2	158
18	40X0.14mm²	10.9	79.3	168
19	50X0.14mm²	12.6	96.6	212
20	2X0.25mm²	5.3	11.5	35
21	3X0.25mm²	5.7	14.2	42
22	4X0.25mm²	5.2	17.3	38
23	5X0.25mm²	5.6	20.5	44
24	6X0.25mm²	6.0	23.8	50
25	7X0.25mm²	6.0	26.0	53
26	8X0.25mm²	6.6	29.3	62
27	10X0.25mm²	7.5	38.8	78
28	12X0.25mm²	7.7	44.0	86
29	14X0.25mm²	8.2	49.5	99
30	16X0.25mm²	8.6	55.1	109
31	18X0.25mm²	9.2	60.8	123
32	20X0.25mm²	9.6	66.5	133
33	25X0.25mm²	10.7	80.6	162
34	30X0.25mm²	11.2	93.5	184
35	32X0.25mm²	11.8	99.1	199
36	36X0.25mm²	12.4	109.4	222
37	37X0.25mm²	12.4	111.6	226
38	40X0.25mm²	12.8	119.6	240
39	2X0.34mm²	4.9	13.6	31
40	3X0.34mm²	5.1	17.2	37
41	4X0.34mm²	5.5	21.2	44
42	5X0.34mm²	5.9	25.2	50
43	6X0.34mm²	6.3	29.4	57
44	7X0.34mm²	6.3	32.4	62
45	8X0.34mm²	6.9	36.6	72
46	10X0.34mm²	8.1	48.1	94
47	12X0.34mm²	8.3	54.9	104

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
48	14X0.34mm²	8.7	62.2	116
49	16X0.34mm²	9.3	69.5	132
50	18X0.34mm²	9.7	76.9	144
51	20X0.34mm²	10.3	84.3	161
52	25X0.34mm²	11.5	102.6	196
53	30X0.34mm²	12.3	119.7	229
54	36X0.34mm²	13.1	140.6	263
55	37X0.34mm²	13.1	143.7	267
56	40X0.34mm²	13.7	154.2	291
57	2X0.5mm²	5.3	17.5	37
58	3X0.5mm²	5.5	22.6	45
59	4X0.5mm²	6.0	28.2	54
60	5X0.5mm²	6.4	33.9	63
61	6X0.5mm²	7.1	39.6	75
62	7X0.5mm²	7.1	44.1	81
63	8X0.5mm²	7.6	52.7	93
64	10X0.5mm²	8.9	65.1	118
65	12X0.5mm²	9.1	74.9	132
66	14X0.5mm²	9.8	85.2	152
67	16X0.5mm²	10.4	95.6	173
68	18X0.5mm²	10.9	106.1	189
69	20X0.5mm²	11.6	116.6	211
70	25X0.5mm²	12.9	142.6	258
71	30X0.5mm²	13.6	167.3	295
72	37X0.5mm²	14.7	201.8	354
73	40X0.5mm²	15.4	216.8	384
74	2X0.75mm²	5.7	23.2	45
75	3X0.75mm²	6.0	30.8	56
76	4X0.75mm²	6.4	38.9	67
77	5X0.75mm²	7.2	47.1	83
78	6X0.75mm²	7.9	58.2	101
79	7X0.75mm²	7.9	65.1	110
80	8X0.75mm²	8.4	73.7	123
81	10X0.75mm²	9.9	91.2	155
82	12X0.75mm²	10.4	105.9	180
83	16X0.75mm²	11.6	136.4	229
84	18X0.75mm²	12.3	151.8	257
85	20X0.75mm²	12.8	167.3	280
86	25X0.75mm²	14.3	205.6	342
87	2X1.0mm²	6.5	29.3	58
88	3X1.0mm²	6.8	39.3	72
89	4X1.0mm²	7.6	52.6	93
90	5X1.0mm²	8.2	63.6	110
91	2X1.5mm²	7.3	43.2	77
92	3X1.5mm²	7.9	58.2	101
93	4X1.5mm²	8.5	73.9	123
94	5X1.5mm²	9.5	89.9	150

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

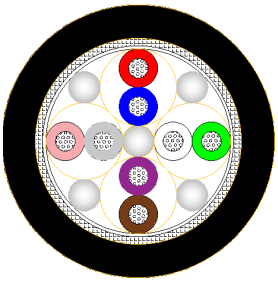
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PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



Li2YCPV-TP

CE 认证低电容 TPV 护套柔性对绞屏蔽数据电缆

CE certified low-capacity TPV sheathed flexible twisted-pair shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，适用于 RS422 和 RS485 系列接口。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference. They are applicable for fixed installation as well as occasional movement without forced stress or fixed direction, and are suitable for RS422 and RS485 series interfaces.

产品特性

阻燃性，符合 IEC60332-1-2；
耐油性，符合 ISO6722；
低电容设计；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

Product characteristics

Flame retardancy, conform to IEC60332-1-2;
Oil resistance, conform to ISO6722;
Low-capacitance design;
Twisted-pair structure enables circuit decoupling (crosstalk effect);
Suitable for electromagnetic compatibility (EMC) occasions;
Tear resistance and cut resistance;
UV resistance, hydrolysis resistance, and salt spray resistance.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

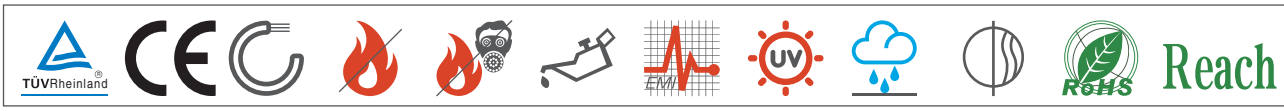
CE certification;
conform to VDE0812;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
聚乙烯（PE）芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPV 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Polyethylene (PE) core insulation;
Cores twisted into pairs;
Tinned copper wire braided shielding, approximately 80% coverage;
TPV outer sheath;
Outer sheath color: gray (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 100MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−40 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 100MΩ x km;
Test voltage: 1500V;
Capacitance: approximately 70nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: −40 to +80℃ ;
　　mobile installation: −40 to +80℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X0.14mm²	4.3	8.8	23
2	2X2X0.14mm²	5.8	14.7	38
3	3X2X0.14mm²	6.4	18.4	48
4	4X2X0.14mm²	6.9	22.3	56
5	5X2X0.14mm²	7.4	26.3	65
6	6X2X0.14mm²	7.9	27.8	67
7	7X2X0.14mm²	7.9	30.6	71
8	8X2X0.14mm²	8.7	40.4	93
9	10X2X0.14mm²	10.2	49.6	117
10	12X2X0.14mm²	10.6	55.9	133
11	16X2X0.14mm²	11.8	69.8	165
12	20X2X0.14mm²	12.9	84.0	194
13	25X2X0.14mm²	14.4	101.4	235
14	1X2X0.25mm²	4.7	11.5	28
15	2X2X0.25mm²	6.5	19.9	48
16	3X2X0.25mm²	7.1	25.5	61
17	4X2X0.25mm²	7.7	34.2	74
18	5X2X0.25mm²	8.5	40.6	90
19	6X2X0.25mm²	9.3	47.0	106
20	7X2X0.25mm²	9.3	51.6	113
21	8X2X0.25mm²	10.2	58.0	130
22	10X2X0.25mm²	11.7	71.5	157
23	12X2X0.25mm²	12.2	81.6	180
24	16X2X0.25mm²	11.4	103.2	162
25	20X2X0.25mm²	14.9	125.2	266
26	25X2X0.25mm²	16.6	152.3	323
27	1X2X0.34mm²	4.9	13.6	31
28	2X2X0.34mm²	7.0	23.9	57
29	3X2X0.34mm²	7.5	34.0	72

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	4X2X0.34mm²	8.1	41.9	85
31	5X2X0.34mm²	8.9	50.0	103
32	6X2X0.34mm²	9.8	58.2	122
33	7X2X0.34mm²	9.8	64.4	131
34	8X2X0.34mm²	10.7	72.6	150
35	10X2X0.34mm²	12.5	89.7	188
36	12X2X0.34mm²	12.9	103.1	209
37	16X2X0.34mm²	14.4	131.4	263
38	1X2X0.5mm²	5.3	17.5	37
39	2X2X0.5mm²	7.6	34.1	71
40	3X2X0.5mm²	8.2	44.8	88
41	4X2X0.5mm²	9.1	55.9	110
42	5X2X0.5mm²	10.0	67.2	133
43	6X2X0.5mm²	11.0	60.5	132
44	7X2X0.5mm²	11.0	69.6	144
45	8X2X0.5mm²	12.0	99.2	194
46	10X2X0.5mm²	14.1	122.8	243
47	12X2X0.5mm²	14.5	142.1	272
48	16X2X0.5mm²	16.1	182.7	343
49	1X2X0.75mm²	5.9	23.2	48
50	2X2X0.75mm²	8.3	45.5	87
51	3X2X0.75mm²	9.1	61.2	113
52	4X2X0.75mm²	10.1	77.3	142
53	5X2X0.75mm²	11.1	93.6	172
54	6X2X0.75mm²	12.2	110.1	203
55	1X2X1.0mm²	6.5	29.3	58
56	2X2X1.0mm²	9.6	57.5	115
57	3X2X1.0mm²	10.6	78.2	150
58	4X2X1.0mm²	11.5	99.3	182

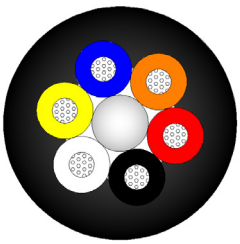
数据电缆 DATA CABLE

01

AWM 20233

UL/CUL 认证 PUR 护套柔性数据电缆

UL/CUL certified PUR sheathed flexible data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance, conform to EN60811-404;
Flame retardant conform to FT1, VW-1;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20233，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20233, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.4	1.5	13
2	3X28AWG	3.5	2.2	15
3	4X28AWG	3.8	2.9	17
4	5X28AWG	4.0	3.6	20
5	6X28AWG	4.3	4.4	23
6	7X28AWG	4.3	5.1	23
7	8X28AWG	4.6	5.8	26
8	10X28AWG	5.2	7.3	34
9	12X28AWG	5.3	8.7	37
10	14X28AWG	5.6	10.2	41
11	16X28AWG	6.0	11.6	48
12	18X28AWG	6.3	13.1	52
13	20X28AWG	6.6	14.5	57
14	25X28AWG	7.4	18.1	72
15	30X28AWG	7.8	21.8	81
16	32X28AWG	8.0	23.2	87
17	36X28AWG	8.5	26.1	98
18	37X28AWG	8.5	26.9	98
19	40X28AWG	8.8	29.0	105
20	50X28AWG	10.0	36.3	135
21	2X26AWG	3.6	2.6	15
22	3X26AWG	3.8	3.9	18
23	4X26AWG	4.0	5.2	21
24	5X26AWG	4.3	6.5	24
25	6X26AWG	4.6	7.7	28
26	7X26AWG	4.6	9.0	29
27	8X26AWG	4.9	10.3	34
28	10X26AWG	5.6	12.9	43
29	12X26AWG	5.8	15.5	47
30	14X26AWG	6.2	18.1	55
31	16X26AWG	6.5	20.6	61
32	18X26AWG	6.8	23.2	68
33	20X26AWG	7.1	25.8	74
34	25X26AWG	8.0	32.3	94
35	30X26AWG	8.4	38.7	107
36	32X26AWG	8.7	41.3	114
37	36X26AWG	9.2	46.4	128
38	37X26AWG	9.2	47.7	129
39	40X26AWG	9.5	51.6	138
40	50X26AWG	10.8	64.5	177
41	2X24AWG	3.8	4.1	18
42	3X24AWG	4.0	6.1	21
43	4X24AWG	4.3	8.1	25
44	5X24AWG	4.6	10.1	30
45	6X24AWG	4.9	12.2	35
46	7X24AWG	4.9	14.2	37
47	8X24AWG	5.2	16.2	42
48	10X24AWG	6.2	20.3	57
49	12X24AWG	6.4	24.3	63
50	14X24AWG	6.7	28.4	70
51	16X24AWG	7.0	32.4	78
52	18X24AWG	7.3	36.5	86
53	20X24AWG	7.8	40.5	98
54	25X24AWG	8.6	50.7	120
55	30X24AWG	9.3	60.8	141
56	32X24AWG	9.6	64.9	151
57	36X24AWG	9.9	73.0	165
58	37X24AWG	9.9	75.0	166

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	183
60	50X24AWG	12.1	101.4	238
61	2X22AWG	4.2	6.3	23
62	3X22AWG	4.4	9.4	28
63	4X22AWG	4.7	12.5	34
64	5X22AWG	5.1	15.7	40
65	6X22AWG	5.5	18.8	47
66	7X22AWG	5.5	21.9	50
67	8X22AWG	5.9	25.1	57
68	10X22AWG	7.0	31.3	77
69	12X22AWG	7.2	37.6	86
70	14X22AWG	7.5	43.9	97
71	16X22AWG	8.1	50.1	111
72	18X22AWG	8.5	56.4	123
73	20X22AWG	8.9	62.7	136
74	25X22AWG	10.0	78.3	171
75	30X22AWG	10.7	94.0	200
76	36X22AWG	11.7	112.8	239
77	37X22AWG	11.9	115.9	246
78	40X22AWG	12.3	125.3	265
79	2X20AWG	4.8	9.6	31
80	3X20AWG	5.0	14.4	38
81	4X20AWG	5.5	19.2	47
82	5X20AWG	5.9	24.0	57
83	6X20AWG	6.4	28.8	67
84	7X20AWG	6.4	33.5	71
85	8X20AWG	7.1	38.3	85
86	10X20AWG	8.4	47.9	114
87	12X20AWG	8.6	57.5	127
88	14X20AWG	9.3	67.1	146
89	16X20AWG	9.7	76.7	164
90	18X20AWG	10.4	86.3	186
91	20X20AWG	10.9	95.8	205
92	25X20AWG	12.4	119.8	262
93	30X20AWG	13.1	143.8	301
94	37X20AWG	14.2	177.3	362
95	40X20AWG	14.7	191.7	389
96	2X18AWG	5.2	15.1	40
97	3X18AWG	5.5	22.7	50
98	4X18AWG	5.9	30.2	62
99	5X18AWG	6.7	37.8	78
100	6X18AWG	7.2	45.3	92
101	7X18AWG	7.2	52.9	99
102	8X18AWG	7.9	60.5	117
103	10X18AWG	9.4	75.6	155
104	12X18AWG	9.7	90.7	174
105	16X18AWG	10.9	120.9	226
106	18X18AWG	11.8	136.0	260
107	20X18AWG	12.3	151.1	287
108	25X18AWG	13.8	188.9	359
109	2X16AWG	6.4	23.4	62
110	3X16AWG	6.8	35.1	77
111	4X16AWG	7.6	46.8	100
112	5X16AWG	8.3	58.5	121
113	2X14AWG	7.2	36.9	84
114	3X14AWG	7.8	55.3	111
115	4X14AWG	8.6	73.8	139
116	5X14AWG	9.6	92.2	174

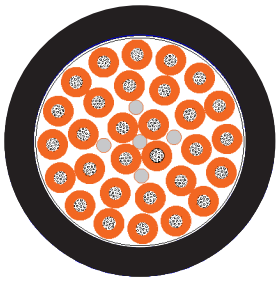
数据电缆 DATA CABLE

01

AWM 20549

UL/CUL 认证 PUR 护套柔性数据电缆

UL/CUL certified PUR sheathed flexible data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance, conform to EN60811-404;
Flame retardant conform to FT1, VW-1;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20549，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20549, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.4	1.5	13
2	3X28AWG	3.5	2.2	15
3	4X28AWG	3.8	2.9	17
4	5X28AWG	4.0	3.6	20
5	6X28AWG	4.3	4.4	23
6	7X28AWG	4.3	5.1	23
7	8X28AWG	4.6	5.8	26
8	10X28AWG	5.2	7.3	34
9	12X28AWG	5.3	8.7	37
10	14X28AWG	5.6	10.2	41
11	16X28AWG	6.0	11.6	48
12	18X28AWG	6.3	13.1	52
13	20X28AWG	6.6	14.5	57
14	25X28AWG	7.4	18.1	72
15	30X28AWG	7.8	21.8	81
16	32X28AWG	8.0	23.2	87
17	36X28AWG	8.5	26.1	98
18	37X28AWG	8.5	26.9	98
19	40X28AWG	8.8	29.0	105
20	50X28AWG	10.0	36.3	135
21	2X26AWG	3.6	2.6	15
22	3X26AWG	3.8	3.9	18
23	4X26AWG	4.0	5.2	21
24	5X26AWG	4.3	6.5	24
25	6X26AWG	4.6	7.7	28
26	7X26AWG	4.6	9.0	29
27	8X26AWG	4.9	10.3	34
28	10X26AWG	5.6	12.9	43
29	12X26AWG	5.8	15.5	47
30	14X26AWG	6.2	18.1	55
31	16X26AWG	6.5	20.6	61
32	18X26AWG	6.8	23.2	68
33	20X26AWG	7.1	25.8	74
34	25X26AWG	8.0	32.3	94
35	30X26AWG	8.4	38.7	107
36	32X26AWG	8.7	41.3	114
37	36X26AWG	9.2	46.4	128
38	37X26AWG	9.2	47.7	129
39	40X26AWG	9.5	51.6	138
40	50X26AWG	10.8	64.5	177
41	2X24AWG	3.8	4.1	18
42	3X24AWG	4.0	6.1	21
43	4X24AWG	4.3	8.1	25
44	5X24AWG	4.6	10.1	30
45	6X24AWG	4.9	12.2	35
46	7X24AWG	4.9	14.2	37
47	8X24AWG	5.2	16.2	42
48	10X24AWG	6.2	20.3	57
49	12X24AWG	6.4	24.3	63
50	14X24AWG	6.7	28.4	70
51	16X24AWG	7.0	32.4	78
52	18X24AWG	7.3	36.5	86
53	20X24AWG	7.8	40.5	98
54	25X24AWG	8.6	50.7	120
55	30X24AWG	9.3	60.8	141
56	32X24AWG	9.6	64.9	151
57	36X24AWG	9.9	73.0	165
58	37X24AWG	9.9	75.0	166

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	183
60	50X24AWG	12.1	101.4	238
61	2X22AWG	4.2	6.3	23
62	3X22AWG	4.4	9.4	28
63	4X22AWG	4.7	12.5	34
64	5X22AWG	5.1	15.7	40
65	6X22AWG	5.5	18.8	47
66	7X22AWG	5.5	21.9	50
67	8X22AWG	5.9	25.1	57
68	10X22AWG	7.0	31.3	77
69	12X22AWG	7.2	37.6	86
70	14X22AWG	7.5	43.9	97
71	16X22AWG	8.1	50.1	111
72	18X22AWG	8.5	56.4	123
73	20X22AWG	8.9	62.7	136
74	25X22AWG	10.0	78.3	171
75	30X22AWG	10.7	94.0	200
76	36X22AWG	11.7	112.8	239
77	37X22AWG	11.9	115.9	246
78	40X22AWG	12.3	125.3	265
79	2X20AWG	4.8	9.6	31
80	3X20AWG	5.0	14.4	38
81	4X20AWG	5.5	19.2	47
82	5X20AWG	5.9	24.0	57
83	6X20AWG	6.4	28.8	67
84	7X20AWG	6.4	33.5	71
85	8X20AWG	7.1	38.3	85
86	10X20AWG	8.4	47.9	114
87	12X20AWG	8.6	57.5	127
88	14X20AWG	9.3	67.1	146
89	16X20AWG	9.7	76.7	164
90	18X20AWG	10.4	86.3	186
91	20X20AWG	10.9	95.8	205
92	25X20AWG	12.4	119.8	262
93	30X20AWG	13.1	143.8	301
94	37X20AWG	14.2	177.3	362
95	40X20AWG	14.7	191.7	389
96	2X18AWG	5.2	15.1	40
97	3X18AWG	5.5	22.7	50
98	4X18AWG	5.9	30.2	62
99	5X18AWG	6.7	37.8	78
100	6X18AWG	7.2	45.3	92
101	7X18AWG	7.2	52.9	99
102	8X18AWG	7.9	60.5	117
103	10X18AWG	9.4	75.6	155
104	12X18AWG	9.7	90.7	174
105	16X18AWG	10.9	120.9	226
106	18X18AWG	11.8	136.0	260
107	20X18AWG	12.3	151.1	287
108	25X18AWG	13.8	188.9	359
109	2X16AWG	6.4	23.4	62
110	3X16AWG	6.8	35.1	77
111	4X16AWG	7.6	46.8	100
112	5X16AWG	8.3	58.5	121
113	2X14AWG	7.2	36.9	84
114	3X14AWG	7.8	55.3	111
115	4X14AWG	8.6	73.8	139
116	5X14AWG	9.6	92.2	174

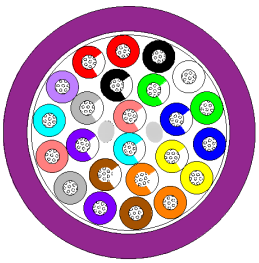
数据电缆 DATA CABLE

01

AWM 20936

UL/CUL 认证 PUR 护套柔性数据电缆

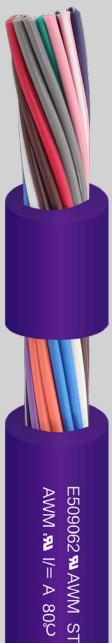
UL/CUL certified PUR sheathed flexible data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance, conform to EN60811-404;
Flame retardant conform to FT1, VW-1;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20936，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20936, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径，
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.4	1.5	13
2	3X28AWG	3.5	2.2	15
3	4X28AWG	3.8	2.9	17
4	5X28AWG	4.0	3.6	20
5	6X28AWG	4.3	4.4	23
6	7X28AWG	4.3	5.1	23
7	8X28AWG	4.6	5.8	26
8	10X28AWG	5.2	7.3	34
9	12X28AWG	5.3	8.7	37
10	14X28AWG	5.6	10.2	41
11	16X28AWG	6.0	11.6	48
12	18X28AWG	6.3	13.1	52
13	20X28AWG	6.6	14.5	57
14	25X28AWG	7.4	18.1	72
15	30X28AWG	7.8	21.8	81
16	32X28AWG	8.0	23.2	87
17	36X28AWG	8.5	26.1	98
18	37X28AWG	8.5	26.9	98
19	40X28AWG	8.8	29.0	105
20	50X28AWG	10.0	36.3	135
21	2X26AWG	3.6	2.6	15
22	3X26AWG	3.8	3.9	18
23	4X26AWG	4.0	5.2	21
24	5X26AWG	4.3	6.5	24
25	6X26AWG	4.6	7.7	28
26	7X26AWG	4.6	9.0	29
27	8X26AWG	4.9	10.3	34
28	10X26AWG	5.6	12.9	43
29	12X26AWG	5.8	15.5	47
30	14X26AWG	6.2	18.1	55
31	16X26AWG	6.5	20.6	61
32	18X26AWG	6.8	23.2	68
33	20X26AWG	7.1	25.8	74
34	25X26AWG	8.0	32.3	94
35	30X26AWG	8.4	38.7	107
36	32X26AWG	8.7	41.3	114
37	36X26AWG	9.2	46.4	128
38	37X26AWG	9.2	47.7	129
39	40X26AWG	9.5	51.6	138
40	50X26AWG	10.8	64.5	177
41	2X24AWG	3.8	4.1	18
42	3X24AWG	4.0	6.1	21
43	4X24AWG	4.3	8.1	25
44	5X24AWG	4.6	10.1	30
45	6X24AWG	4.9	12.2	35
46	7X24AWG	4.9	14.2	37
47	8X24AWG	5.2	16.2	42
48	10X24AWG	6.2	20.3	57
49	12X24AWG	6.4	24.3	63
50	14X24AWG	6.7	28.4	70
51	16X24AWG	7.0	32.4	78
52	18X24AWG	7.3	36.5	86
53	20X24AWG	7.8	40.5	98
54	25X24AWG	8.6	50.7	120
55	30X24AWG	9.3	60.8	141
56	32X24AWG	9.6	64.9	151
57	36X24AWG	9.9	73.0	165
58	37X24AWG	9.9	75.0	166

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	183
60	50X24AWG	12.1	101.4	238
61	2X22AWG	4.2	6.3	23
62	3X22AWG	4.4	9.4	28
63	4X22AWG	4.7	12.5	34
64	5X22AWG	5.1	15.7	40
65	6X22AWG	5.5	18.8	47
66	7X22AWG	5.5	21.9	50
67	8X22AWG	5.9	25.1	57
68	10X22AWG	7.0	31.3	77
69	12X22AWG	7.2	37.6	86
70	14X22AWG	7.5	43.9	97
71	16X22AWG	8.1	50.1	111
72	18X22AWG	8.5	56.4	123
73	20X22AWG	8.9	62.7	136
74	25X22AWG	10.0	78.3	171
75	30X22AWG	10.7	94.0	200
76	36X22AWG	11.7	112.8	239
77	37X22AWG	11.9	115.9	246
78	40X22AWG	12.3	125.3	265
79	2X20AWG	4.8	9.6	31
80	3X20AWG	5.0	14.4	38
81	4X20AWG	5.5	19.2	47
82	5X20AWG	5.9	24.0	57
83	6X20AWG	6.4	28.8	67
84	7X20AWG	6.4	33.5	71
85	8X20AWG	7.1	38.3	85
86	10X20AWG	8.4	47.9	114
87	12X20AWG	8.6	57.5	127
88	14X20AWG	9.3	67.1	146
89	16X20AWG	9.7	76.7	164
90	18X20AWG	10.4	86.3	186
91	20X20AWG	10.9	95.8	205
92	25X20AWG	12.4	119.8	262
93	30X20AWG	13.1	143.8	301
94	37X20AWG	14.2	177.3	362
95	40X20AWG	14.7	191.7	389
96	2X18AWG	5.2	15.1	40
97	3X18AWG	5.5	22.7	50
98	4X18AWG	5.9	30.2	62
99	5X18AWG	6.7	37.8	78
100	6X18AWG	7.2	45.3	92
101	7X18AWG	7.2	52.9	99
102	8X18AWG	7.9	60.5	117
103	10X18AWG	9.4	75.6	155
104	12X18AWG	9.7	90.7	174
105	16X18AWG	10.9	120.9	226
106	18X18AWG	11.8	136.0	260
107	20X18AWG	12.3	151.1	287
108	25X18AWG	13.8	188.9	359
109	2X16AWG	6.4	23.4	62
110	3X16AWG	6.8	35.1	77
111	4X16AWG	7.6	46.8	100
112	5X16AWG	8.3	58.5	121
113	2X14AWG	7.2	36.9	84
114	3X14AWG	7.8	55.3	111
115	4X14AWG	8.6	73.8	139
116	5X14AWG	9.6	92.2	174

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

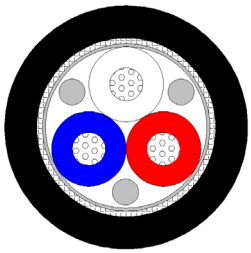
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AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 20233-S

UL/CUL 认证 PUR 护套柔性屏蔽数据电缆

UL/CUL Certified PUR Sheathed Flexible Shielded Data Cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Aluminum foil+tinned copper wire double shielding is especially suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance,conform to EN60811-404;
Flame retardant conform to FT1, VW-1;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20233，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20233, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

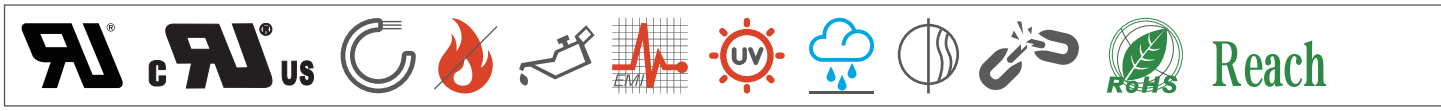
Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.9	6.4	18
2	3X28AWG	4.0	7.5	20
3	4X28AWG	4.3	8.8	23
4	5X28AWG	4.5	10.1	26
5	6X28AWG	4.8	11.5	29
6	7X28AWG	4.8	12.3	30
7	8X28AWG	5.1	13.7	34
8	10X28AWG	5.9	16.7	42
9	12X28AWG	6.0	18.5	46
10	14X28AWG	6.3	20.5	51
11	16X28AWG	6.5	22.6	55
12	18X28AWG	6.8	24.7	60
13	20X28AWG	7.3	26.8	68
14	25X28AWG	7.9	34.9	82
15	30X28AWG	8.3	39.6	92
16	32X28AWG	8.5	41.8	97
17	36X28AWG	9.0	45.5	109
18	37X28AWG	9.0	46.3	110
19	40X28AWG	9.3	49.3	117
20	50X28AWG	10.5	59.5	144
21	2X26AWG	4.1	8.0	20
22	3X26AWG	4.3	9.7	23
23	4X26AWG	4.5	11.6	27
24	5X26AWG	4.8	13.6	31
25	6X26AWG	5.1	15.7	35
26	7X26AWG	5.1	16.9	37
27	8X26AWG	5.4	19.0	41
28	10X26AWG	6.3	23.3	52
29	12X26AWG	6.5	26.3	57
30	14X26AWG	6.7	29.5	63
31	16X26AWG	7.0	32.8	69
32	18X26AWG	7.3	38.8	78
33	20X26AWG	7.8	42.3	88
34	25X26AWG	8.5	50.8	104
35	30X26AWG	8.9	58.5	118
36	32X26AWG	9.4	61.9	128
37	36X26AWG	9.9	67.9	143
38	37X26AWG	9.9	69.2	145
39	40X26AWG	10.2	74.0	154
40	50X26AWG	11.5	90.2	189
41	2X24AWG	4.3	10.0	23
42	3X24AWG	4.5	12.4	27
43	4X24AWG	4.8	15.2	32
44	5X24AWG	5.1	18.0	37
45	6X24AWG	5.4	20.8	42
46	7X24AWG	5.4	22.9	45
47	8X24AWG	5.9	25.7	52
48	10X24AWG	6.7	31.7	63
49	12X24AWG	6.9	36.1	70
50	14X24AWG	7.4	40.9	81
51	16X24AWG	7.7	48.5	92
52	18X24AWG	8.2	53.5	103
53	20X24AWG	8.5	58.6	112
54	25X24AWG	9.3	71.0	133
55	30X24AWG	10.0	82.5	155
56	32X24AWG	10.3	87.5	164
57	36X24AWG	10.8	96.6	183
58	37X24AWG	10.8	98.6	186

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	11.1	105.7	198
60	50X24AWG	12.6	129.6	244
61	2X22AWG	4.7	13.2	28
62	3X22AWG	4.9	16.8	34
63	4X22AWG	5.2	20.8	40
64	5X22AWG	5.6	24.8	47
65	6X22AWG	6.2	28.9	56
66	7X22AWG	6.2	32.1	61
67	8X22AWG	6.6	36.2	68
68	10X22AWG	7.7	47.5	88
69	12X22AWG	7.9	54.3	99
70	14X22AWG	8.2	61.6	110
71	16X22AWG	8.8	69.0	125
72	18X22AWG	9.2	76.4	137
73	20X22AWG	9.8	83.9	153
74	25X22AWG	10.7	102.2	183
75	30X22AWG	11.4	119.5	214
76	36X22AWG	12.4	140.5	252
77	37X22AWG	12.4	143.7	257
78	40X22AWG	13.0	154.2	279
79	2X20AWG	5.3	18.0	36
80	3X20AWG	5.5	23.4	45
81	4X20AWG	6.0	29.2	54
82	5X20AWG	6.6	35.1	66
83	6X20AWG	7.1	41.1	76
84	7X20AWG	7.1	45.9	83
85	8X20AWG	7.8	54.7	99
86	10X20AWG	9.1	67.6	124
87	12X20AWG	9.3	78.0	139
88	14X20AWG	9.8	88.8	156
89	16X20AWG	10.4	99.7	178
90	18X20AWG	11.1	110.7	200
91	20X20AWG	11.8	121.8	222
92	25X20AWG	12.9	149.0	266
93	30X20AWG	13.6	174.9	307
94	37X20AWG	14.7	211.3	369
95	40X20AWG	15.4	227.1	400
96	2X18AWG	5.7	24.5	45
97	3X18AWG	6.0	32.8	57
98	4X18AWG	6.4	41.5	69
99	5X18AWG	7.2	50.3	85
100	6X18AWG	7.9	62.1	104
101	7X18AWG	7.9	69.6	114
102	8X18AWG	8.6	78.8	131
103	10X18AWG	10.1	97.7	165
104	12X18AWG	10.6	113.6	191
105	16X18AWG	11.8	146.7	244
106	18X18AWG	12.3	163.5	268
107	20X18AWG	12.8	180.2	293
108	25X18AWG	14.3	221.7	359
109	2X16AWG	7.3	35.8	70
110	3X16AWG	7.7	51.2	91
111	4X16AWG	8.3	64.7	112
112	5X16AWG	9.2	78.4	137
113	2X14AWG	8.1	54.2	94
114	3X14AWG	8.5	74.0	122
115	4X14AWG	9.5	94.6	155
116	5X14AWG	10.5	115.4	189

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

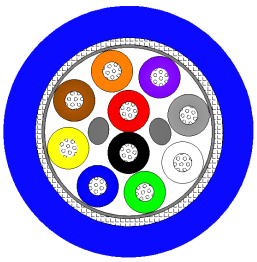
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AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 20549-S

UL/CUL 认证 PUR 护套柔性屏蔽数据电缆

UL/CUL certified PUR sheathed flexible shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Aluminum foil+tinned copper wire double shielding is especially suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance,conform to EN60811-404;
Flame retardant conform to FT1, VW-1;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20549，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20549, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

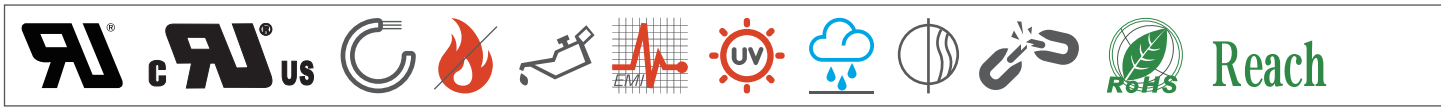
Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.9	6.4	18
2	3X28AWG	4.0	7.5	20
3	4X28AWG	4.3	8.8	23
4	5X28AWG	4.5	10.1	26
5	6X28AWG	4.8	11.5	29
6	7X28AWG	4.8	12.3	30
7	8X28AWG	5.1	13.7	34
8	10X28AWG	5.9	16.7	42
9	12X28AWG	6.0	18.5	46
10	14X28AWG	6.3	20.5	51
11	16X28AWG	6.5	22.6	55
12	18X28AWG	6.8	24.7	60
13	20X28AWG	7.3	26.8	68
14	25X28AWG	7.9	34.9	82
15	30X28AWG	8.3	39.6	92
16	32X28AWG	8.5	41.8	97
17	36X28AWG	9.0	45.5	109
18	37X28AWG	9.0	46.3	110
19	40X28AWG	9.3	49.3	117
20	50X28AWG	10.5	59.5	144
21	2X26AWG	4.1	8.0	20
22	3X26AWG	4.3	9.7	23
23	4X26AWG	4.5	11.6	27
24	5X26AWG	4.8	13.6	31
25	6X26AWG	5.1	15.7	35
26	7X26AWG	5.1	16.9	37
27	8X26AWG	5.4	19.0	41
28	10X26AWG	6.3	23.3	52
29	12X26AWG	6.5	26.3	57
30	14X26AWG	6.7	29.5	63
31	16X26AWG	7.0	32.8	69
32	18X26AWG	7.3	38.8	78
33	20X26AWG	7.8	42.3	88
34	25X26AWG	8.5	50.8	104
35	30X26AWG	8.9	58.5	118
36	32X26AWG	9.4	61.9	128
37	36X26AWG	9.9	67.9	143
38	37X26AWG	9.9	69.2	145
39	40X26AWG	10.2	74.0	154
40	50X26AWG	11.5	90.2	189
41	2X24AWG	4.3	10.0	23
42	3X24AWG	4.5	12.4	27
43	4X24AWG	4.8	15.2	32
44	5X24AWG	5.1	18.0	37
45	6X24AWG	5.4	20.8	42
46	7X24AWG	5.4	22.9	45
47	8X24AWG	5.9	25.7	52
48	10X24AWG	6.7	31.7	63
49	12X24AWG	6.9	36.1	70
50	14X24AWG	7.4	40.9	81
51	16X24AWG	7.7	48.5	92
52	18X24AWG	8.2	53.5	103
53	20X24AWG	8.5	58.6	112
54	25X24AWG	9.3	71.0	133
55	30X24AWG	10.0	82.5	155
56	32X24AWG	10.3	87.5	164
57	36X24AWG	10.8	96.6	183
58	37X24AWG	10.8	98.6	186

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	11.1	105.7	198
60	50X24AWG	12.6	129.6	244
61	2X22AWG	4.7	13.2	28
62	3X22AWG	4.9	16.8	34
63	4X22AWG	5.2	20.8	40
64	5X22AWG	5.6	24.8	47
65	6X22AWG	6.2	28.9	56
66	7X22AWG	6.2	32.1	61
67	8X22AWG	6.6	36.2	68
68	10X22AWG	7.7	47.5	88
69	12X22AWG	7.9	54.3	99
70	14X22AWG	8.2	61.6	110
71	16X22AWG	8.8	69.0	125
72	18X22AWG	9.2	76.4	137
73	20X22AWG	9.8	83.9	153
74	25X22AWG	10.7	102.2	183
75	30X22AWG	11.4	119.5	214
76	36X22AWG	12.4	140.5	252
77	37X22AWG	12.4	143.7	257
78	40X22AWG	13.0	154.2	279
79	2X20AWG	5.3	18.0	36
80	3X20AWG	5.5	23.4	45
81	4X20AWG	6.0	29.2	54
82	5X20AWG	6.6	35.1	66
83	6X20AWG	7.1	41.1	76
84	7X20AWG	7.1	45.9	83
85	8X20AWG	7.8	54.7	99
86	10X20AWG	9.1	67.6	124
87	12X20AWG	9.3	78.0	139
88	14X20AWG	9.8	88.8	156
89	16X20AWG	10.4	99.7	178
90	18X20AWG	11.1	110.7	200
91	20X20AWG	11.8	121.8	222
92	25X20AWG	12.9	149.0	266
93	30X20AWG	13.6	174.9	307
94	37X20AWG	14.7	211.3	369
95	40X20AWG	15.4	227.1	400
96	2X18AWG	5.7	24.5	45
97	3X18AWG	6.0	32.8	57
98	4X18AWG	6.4	41.5	69
99	5X18AWG	7.2	50.3	85
100	6X18AWG	7.9	62.1	104
101	7X18AWG	7.9	69.6	114
102	8X18AWG	8.6	78.8	131
103	10X18AWG	10.1	97.7	165
104	12X18AWG	10.6	113.6	191
105	16X18AWG	11.8	146.7	244
106	18X18AWG	12.3	163.5	268
107	20X18AWG	12.8	180.2	293
108	25X18AWG	14.3	221.7	359
109	2X16AWG	7.3	35.8	70
110	3X16AWG	7.7	51.2	91
111	4X16AWG	8.3	64.7	112
112	5X16AWG	9.2	78.4	137
113	2X14AWG	8.1	54.2	94
114	3X14AWG	8.5	74.0	122
115	4X14AWG	9.5	94.6	155
116	5X14AWG	10.5	115.4	189

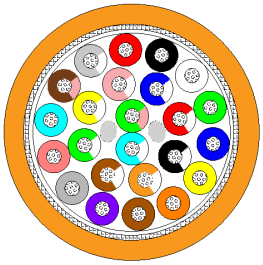
数据电缆 DATA CABLE

01

AWM 20936-S

UL/CUL 认证 PUR 护套柔性屏蔽数据电缆

UL/CUL certified PUR sheathed flexible shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Aluminum foil+tinned copper wire double shielding is especially suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance,conform to EN60811-404;
Flame retardant conform to FT1, VW-1;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20936，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20936, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

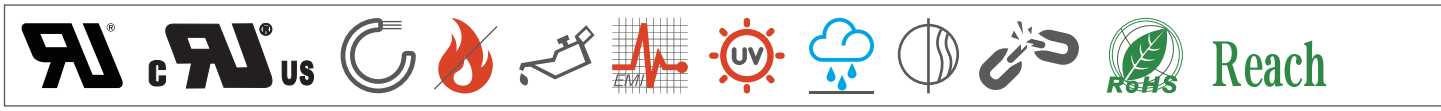
Multi strand stranded tinned copper wire, conform to IEC60,228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.9	6.4	18
2	3X28AWG	4.0	7.5	20
3	4X28AWG	4.3	8.8	23
4	5X28AWG	4.5	10.1	26
5	6X28AWG	4.8	11.5	29
6	7X28AWG	4.8	12.3	30
7	8X28AWG	5.1	13.7	34
8	10X28AWG	5.9	16.7	42
9	12X28AWG	6.0	18.5	46
10	14X28AWG	6.3	20.5	51
11	16X28AWG	6.5	22.6	55
12	18X28AWG	6.8	24.7	60
13	20X28AWG	7.3	26.8	68
14	25X28AWG	7.9	34.9	82
15	30X28AWG	8.3	39.6	92
16	32X28AWG	8.5	41.8	97
17	36X28AWG	9.0	45.5	109
18	37X28AWG	9.0	46.3	110
19	40X28AWG	9.3	49.3	117
20	50X28AWG	10.5	59.5	144
21	2X26AWG	4.1	8.0	20
22	3X26AWG	4.3	9.7	23
23	4X26AWG	4.5	11.6	27
24	5X26AWG	4.8	13.6	31
25	6X26AWG	5.1	15.7	35
26	7X26AWG	5.1	16.9	37
27	8X26AWG	5.4	19.0	41
28	10X26AWG	6.3	23.3	52
29	12X26AWG	6.5	26.3	57
30	14X26AWG	6.7	29.5	63
31	16X26AWG	7.0	32.8	69
32	18X26AWG	7.3	38.8	78
33	20X26AWG	7.8	42.3	88
34	25X26AWG	8.5	50.8	104
35	30X26AWG	8.9	58.5	118
36	32X26AWG	9.4	61.9	128
37	36X26AWG	9.9	67.9	143
38	37X26AWG	9.9	69.2	145
39	40X26AWG	10.2	74.0	154
40	50X26AWG	11.5	90.2	189
41	2X24AWG	4.3	10.0	23
42	3X24AWG	4.5	12.4	27
43	4X24AWG	4.8	15.2	32
44	5X24AWG	5.1	18.0	37
45	6X24AWG	5.4	20.8	42
46	7X24AWG	5.4	22.9	45
47	8X24AWG	5.9	25.7	52
48	10X24AWG	6.7	31.7	63
49	12X24AWG	6.9	36.1	70
50	14X24AWG	7.4	40.9	81
51	16X24AWG	7.7	48.5	92
52	18X24AWG	8.2	53.5	103
53	20X24AWG	8.5	58.6	112
54	25X24AWG	9.3	71.0	133
55	30X24AWG	10.0	82.5	155
56	32X24AWG	10.3	87.5	164
57	36X24AWG	10.8	96.6	183
58	37X24AWG	10.8	98.6	186

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	11.1	105.7	198
60	50X24AWG	12.6	129.6	244
61	2X22AWG	4.7	13.2	28
62	3X22AWG	4.9	16.8	34
63	4X22AWG	5.2	20.8	40
64	5X22AWG	5.6	24.8	47
65	6X22AWG	6.2	28.9	56
66	7X22AWG	6.2	32.1	61
67	8X22AWG	6.6	36.2	68
68	10X22AWG	7.7	47.5	88
69	12X22AWG	7.9	54.3	99
70	14X22AWG	8.2	61.6	110
71	16X22AWG	8.8	69.0	125
72	18X22AWG	9.2	76.4	137
73	20X22AWG	9.8	83.9	153
74	25X22AWG	10.7	102.2	183
75	30X22AWG	11.4	119.5	214
76	36X22AWG	12.4	140.5	252
77	37X22AWG	12.4	143.7	257
78	40X22AWG	13.0	154.2	279
79	2X20AWG	5.3	18.0	36
80	3X20AWG	5.5	23.4	45
81	4X20AWG	6.0	29.2	54
82	5X20AWG	6.6	35.1	66
83	6X20AWG	7.1	41.1	76
84	7X20AWG	7.1	45.9	83
85	8X20AWG	7.8	54.7	99
86	10X20AWG	9.1	67.6	124
87	12X20AWG	9.3	78.0	139
88	14X20AWG	9.8	88.8	156
89	16X20AWG	10.4	99.7	178
90	18X20AWG	11.1	110.7	200
91	20X20AWG	11.8	121.8	222
92	25X20AWG	12.9	149.0	266
93	30X20AWG	13.6	174.9	307
94	37X20AWG	14.7	211.3	369
95	40X20AWG	15.4	227.1	400
96	2X18AWG	5.7	24.5	45
97	3X18AWG	6.0	32.8	57
98	4X18AWG	6.4	41.5	69
99	5X18AWG	7.2	50.3	85
100	6X18AWG	7.9	62.1	104
101	7X18AWG	7.9	69.6	114
102	8X18AWG	8.6	78.8	131
103	10X18AWG	10.1	97.7	165
104	12X18AWG	10.6	113.6	191
105	16X18AWG	11.8	146.7	244
106	18X18AWG	12.3	163.5	268
107	20X18AWG	12.8	180.2	293
108	25X18AWG	14.3	221.7	359
109	2X16AWG	7.3	35.8	70
110	3X16AWG	7.7	51.2	91
111	4X16AWG	8.3	64.7	112
112	5X16AWG	9.2	78.4	137
113	2X14AWG	8.1	54.2	94
114	3X14AWG	8.5	74.0	122
115	4X14AWG	9.5	94.6	155
116	5X14AWG	10.5	115.4	189

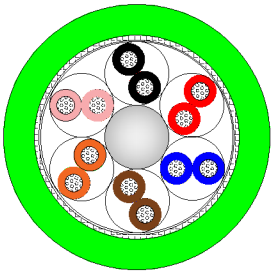
数据电缆 DATA CABLE

01

AWM 20233-SP

UL/CUL 认证 PUR 护套柔性对绞屏蔽数据电缆

UL/CUL certified PUR sheathed flexible twisted pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Aluminum foil+tinned copper wire double shielding is especially suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance, conform to EN60811-404;
Flame retardancy conform to FT1, and VW-1;
twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20233，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20233, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套。
外护套黑色或灰色（RAL7001）

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Core twisted pair;
Wrapping of aluminum plastic composite film
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath core:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.9	6.4	17
2	2X2X28AWG	5.2	10.5	28
3	3X2X28AWG	5.7	12.8	35
4	4X2X28AWG	6.1	15.2	40
5	5X2X28AWG	6.5	17.7	46
6	6X2X28AWG	7.0	17.3	46
7	7X2X28AWG	7.0	18.8	49
8	8X2X28AWG	7.6	24.2	63
9	10X2X28AWG	8.8	32.9	82
10	12X2X28AWG	9.3	36.4	93
11	16X2X28AWG	10.3	44.7	115
12	20X2X28AWG	11.2	53.1	134
13	25X2X28AWG	12.4	63.5	162
14	1X2X26AWG	4.1	8.1	20
15	2X2X26AWG	5.5	13.6	33
16	3X2X26AWG	6.1	17.0	41
17	4X2X26AWG	6.5	20.7	48
18	5X2X26AWG	7.0	24.4	55
19	6X2X26AWG	7.5	25.7	57
20	7X2X26AWG	7.5	28.3	61
21	8X2X26AWG	8.2	37.5	79
22	10X2X26AWG	9.5	46.1	100
23	12X2X26AWG	10.0	52.0	114
24	16X2X26AWG	11.1	65.0	142
25	20X2X26AWG	12.1	78.3	166
26	25X2X26AWG	13.4	94.6	202
27	1X2X24AWG	4.3	10.0	22
28	2X2X24AWG	5.8	17.3	38
29	3X2X24AWG	6.4	22.3	48
30	4X2X24AWG	6.9	27.6	57
31	5X2X24AWG	7.6	32.9	69
32	6X2X24AWG	8.3	41.2	84
33	7X2X24AWG	8.3	45.3	90

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	9.1	51.0	103
35	10X2X24AWG	10.4	62.8	124
36	12X2X24AWG	10.8	71.8	142
37	16X2X24AWG	9.8	90.9	129
38	20X2X24AWG	13.1	110.4	210
39	25X2X24AWG	14.6	134.4	255
40	1X2X22AWG	4.7	13.2	27
41	2X2X22AWG	6.7	23.3	49
42	3X2X22AWG	7.1	30.7	61
43	4X2X22AWG	7.9	41.2	78
44	5X2X22AWG	8.5	49.2	91
45	6X2X22AWG	9.3	57.4	108
46	7X2X22AWG	9.3	63.7	116
47	8X2X22AWG	10.2	71.9	133
48	10X2X22AWG	11.9	88.9	167
49	12X2X22AWG	12.2	102.4	186
50	16X2X22AWG	13.6	130.9	235
51	1X2X20AWG	5.3	18.0	35
52	2X2X20AWG	7.6	35.1	67
53	3X2X20AWG	8.2	46.4	83
54	4X2X20AWG	9.1	58.0	104
55	5X2X20AWG	10.0	69.8	126
56	6X2X20AWG	11.0	62.6	124
57	7X2X20AWG	11.0	72.1	137
58	8X2X20AWG	12.0	103.3	186
59	10X2X20AWG	14.1	127.9	232
60	12X2X20AWG	14.5	148.3	261
61	16X2X20AWG	16.1	190.9	331
62	1X2X18AWG	5.9	24.5	45
63	2X2X18AWG	8.3	48.0	82
64	3X2X18AWG	9.1	65.1	109
65	4X2X18AWG	10.1	82.5	136
66	5X2X18AWG	11.1	100.1	166

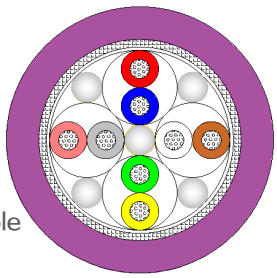
数据电缆 DATA CABLE

01

AWM 20549-SP

UL/CUL 认证 PUR 护套柔性对绞屏蔽数据电缆

UL/CUL certified PUR sheathed flexible twisted pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

- PUR-LIY11Y
- PUR-LI2Y11Y
- PUR-LIYC11Y
- PUR-LI2YC11Y
- PUR-LIYC11Y-TP
- PUR-LI2YC11Y-TP
- PUR-LI2YC11Y PiMF
- LiYPV
- LiYCPV
- LiYCPV-TP
- Li2YPV
- Li2YCPV
- Li2YCPV-TP
- AWM 20233
- AWM 20549
- AWM 20936
- AWM 20233-S
- AWM 20549-S
- AWM 20936-S
- AWM 20233-SP
- AWM 20549-SP
- AWM 20936-SP
- AWM 21481
- AWM 21481-S
- AWM 21481-SP
- AWM 21002
- AWM 21002-S
- AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Aluminum foil+tinned copper wire double shielding is especially suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance, conform to EN60811-404;
Flame retardancy conform to FT1, and VW-1 ;twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20549，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20549, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Core twisted pair;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath core:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.9	6.4	17
2	2X2X28AWG	5.2	10.5	28
3	3X2X28AWG	5.7	12.8	35
4	4X2X28AWG	6.1	15.2	40
5	5X2X28AWG	6.5	17.7	46
6	6X2X28AWG	7.0	17.3	46
7	7X2X28AWG	7.0	18.8	49
8	8X2X28AWG	7.6	24.2	63
9	10X2X28AWG	8.8	32.9	82
10	12X2X28AWG	9.3	36.4	93
11	16X2X28AWG	10.3	44.7	115
12	20X2X28AWG	11.2	53.1	134
13	25X2X28AWG	12.4	63.5	162
14	1X2X26AWG	4.1	8.1	20
15	2X2X26AWG	5.5	13.6	33
16	3X2X26AWG	6.1	17.0	41
17	4X2X26AWG	6.5	20.7	48
18	5X2X26AWG	7.0	24.4	55
19	6X2X26AWG	7.5	25.7	57
20	7X2X26AWG	7.5	28.3	61
21	8X2X26AWG	8.2	37.5	79
22	10X2X26AWG	9.5	46.1	100
23	12X2X26AWG	10.0	52.0	114
24	16X2X26AWG	11.1	65.0	142
25	20X2X26AWG	12.1	78.3	166
26	25X2X26AWG	13.4	94.6	202
27	1X2X24AWG	4.3	10.0	22
28	2X2X24AWG	5.8	17.3	38
29	3X2X24AWG	6.4	22.3	48
30	4X2X24AWG	6.9	27.6	57
31	5X2X24AWG	7.6	32.9	69
32	6X2X24AWG	8.3	41.2	84
33	7X2X24AWG	8.3	45.3	90

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	9.1	51.0	103
35	10X2X24AWG	10.4	62.8	124
36	12X2X24AWG	10.8	71.8	142
37	16X2X24AWG	9.8	90.9	129
38	20X2X24AWG	13.1	110.4	210
39	25X2X24AWG	14.6	134.4	255
40	1X2X22AWG	4.7	13.2	27
41	2X2X22AWG	6.7	23.3	49
42	3X2X22AWG	7.1	30.7	61
43	4X2X22AWG	7.9	41.2	78
44	5X2X22AWG	8.5	49.2	91
45	6X2X22AWG	9.3	57.4	108
46	7X2X22AWG	9.3	63.7	116
47	8X2X22AWG	10.2	71.9	133
48	10X2X22AWG	11.9	88.9	167
49	12X2X22AWG	12.2	102.4	186
50	16X2X22AWG	13.6	130.9	235
51	1X2X20AWG	5.3	18.0	35
52	2X2X20AWG	7.6	35.1	67
53	3X2X20AWG	8.2	46.4	83
54	4X2X20AWG	9.1	58.0	104
55	5X2X20AWG	10.0	69.8	126
56	6X2X20AWG	11.0	62.6	124
57	7X2X20AWG	11.0	72.1	137
58	8X2X20AWG	12.0	103.3	186
59	10X2X20AWG	14.1	127.9	232
60	12X2X20AWG	14.5	148.3	261
61	16X2X20AWG	16.1	190.9	331
62	1X2X18AWG	5.9	24.5	45
63	2X2X18AWG	8.3	48.0	82
64	3X2X18AWG	9.1	65.1	109
65	4X2X18AWG	10.1	82.5	136
66	5X2X18AWG	11.1	100.1	166

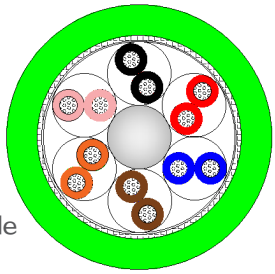
数据电缆 DATA CABLE

01

AWM 20936-SP

UL/CUL 认证 PUR 护套柔性对绞屏蔽数据电缆

UL/CUL certified PUR sheathed flexible twisted pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are applicable to computer systems, electronic control equipment, office equipment, measuring equipment, etc., and are suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Aluminum foil+tinned copper wire double shielding is especially suitable for applications requiring anti electromagnetic interference, for fixed installation and occasional movement without forced stress and fixed direction.

产品特性

柔性，易弯曲；
耐油性，符合 EN60811-404；
阻燃性符合 FT1,VW-1；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Oil resistance, conform to EN60811-404;
Flame retardancy conform to FT1, and VW-1;
twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20936，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20936, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
SR-PVC core wire insulation;
Core twisted pair;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath core:black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
conform to the international color standard;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.9	6.4	17
2	2X2X28AWG	5.2	10.5	28
3	3X2X28AWG	5.7	12.8	35
4	4X2X28AWG	6.1	15.2	40
5	5X2X28AWG	6.5	17.7	46
6	6X2X28AWG	7.0	17.3	46
7	7X2X28AWG	7.0	18.8	49
8	8X2X28AWG	7.6	24.2	63
9	10X2X28AWG	8.8	32.9	82
10	12X2X28AWG	9.3	36.4	93
11	16X2X28AWG	10.3	44.7	115
12	20X2X28AWG	11.2	53.1	134
13	25X2X28AWG	12.4	63.5	162
14	1X2X26AWG	4.1	8.1	20
15	2X2X26AWG	5.5	13.6	33
16	3X2X26AWG	6.1	17.0	41
17	4X2X26AWG	6.5	20.7	48
18	5X2X26AWG	7.0	24.4	55
19	6X2X26AWG	7.5	25.7	57
20	7X2X26AWG	7.5	28.3	61
21	8X2X26AWG	8.2	37.5	79
22	10X2X26AWG	9.5	46.1	100
23	12X2X26AWG	10.0	52.0	114
24	16X2X26AWG	11.1	65.0	142
25	20X2X26AWG	12.1	78.3	166
26	25X2X26AWG	13.4	94.6	202
27	1X2X24AWG	4.3	10.0	22
28	2X2X24AWG	5.8	17.3	38
29	3X2X24AWG	6.4	22.3	48
30	4X2X24AWG	6.9	27.6	57
31	5X2X24AWG	7.6	32.9	69
32	6X2X24AWG	8.3	41.2	84
33	7X2X24AWG	8.3	45.3	90

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	9.1	51.0	103
35	10X2X24AWG	10.4	62.8	124
36	12X2X24AWG	10.8	71.8	142
37	16X2X24AWG	9.8	90.9	129
38	20X2X24AWG	13.1	110.4	210
39	25X2X24AWG	14.6	134.4	255
40	1X2X22AWG	4.7	13.2	27
41	2X2X22AWG	6.7	23.3	49
42	3X2X22AWG	7.1	30.7	61
43	4X2X22AWG	7.9	41.2	78
44	5X2X22AWG	8.5	49.2	91
45	6X2X22AWG	9.3	57.4	108
46	7X2X22AWG	9.3	63.7	116
47	8X2X22AWG	10.2	71.9	133
48	10X2X22AWG	11.9	88.9	167
49	12X2X22AWG	12.2	102.4	186
50	16X2X22AWG	13.6	130.9	235
51	1X2X20AWG	5.3	18.0	35
52	2X2X20AWG	7.6	35.1	67
53	3X2X20AWG	8.2	46.4	83
54	4X2X20AWG	9.1	58.0	104
55	5X2X20AWG	10.0	69.8	126
56	6X2X20AWG	11.0	62.6	124
57	7X2X20AWG	11.0	72.1	137
58	8X2X20AWG	12.0	103.3	186
59	10X2X20AWG	14.1	127.9	232
60	12X2X20AWG	14.5	148.3	261
61	16X2X20AWG	16.1	190.9	331
62	1X2X18AWG	5.9	24.5	45
63	2X2X18AWG	8.3	48.0	82
64	3X2X18AWG	9.1	65.1	109
65	4X2X18AWG	10.1	82.5	136
66	5X2X18AWG	11.1	100.1	166

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

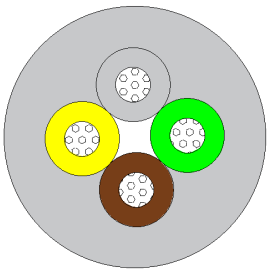
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AWM 20549-SP
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AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 21481

UL/CUL 认证 TPE 护套柔性数据电缆

UL/CUL certified TPE sheathed flexible data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance.

产品特性

无卤材料；
柔性，易弯曲；
耐油性，符合 ISO6722；
阻燃性符合 FT1,VW-1；
电缆外径小，节约安装空间；
偶尔移动。

Product characteristics

Halogen-free materials;
Flexible and easy to bend;
Oil resistance, conform to ISO6722;
Flame retardancy conform to FT1, VW-1;
Small cable outer diameter, saving installation space;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21481，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21481, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-40 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +80℃ ;
　　mobile installation: -40 to +80℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.4	1.5	13
2	3X28AWG	3.5	2.2	15
3	4X28AWG	3.8	2.9	17
4	5X28AWG	4.0	3.6	20
5	6X28AWG	4.3	4.4	23
6	7X28AWG	4.3	5.1	23
7	8X28AWG	4.6	5.8	26
8	10X28AWG	5.2	7.3	34
9	12X28AWG	5.3	8.7	37
10	14X28AWG	5.6	10.2	41
11	16X28AWG	6.0	11.6	48
12	18X28AWG	6.3	13.1	52
13	20X28AWG	6.6	14.5	57
14	25X28AWG	7.4	18.1	72
15	30X28AWG	7.8	21.8	81
16	32X28AWG	8.0	23.2	87
17	36X28AWG	8.5	26.1	98
18	37X28AWG	8.5	26.9	98
19	40X28AWG	8.8	29.0	105
20	50X28AWG	10.0	36.3	135
21	2X26AWG	3.6	2.6	15
22	3X26AWG	3.8	3.9	18
23	4X26AWG	4.0	5.2	21
24	5X26AWG	4.3	6.5	24
25	6X26AWG	4.6	7.7	28
26	7X26AWG	4.6	9.0	29
27	8X26AWG	4.9	10.3	34
28	10X26AWG	5.6	12.9	43
29	12X26AWG	5.8	15.5	47
30	14X26AWG	6.2	18.1	55
31	16X26AWG	6.5	20.6	61
32	18X26AWG	6.8	23.2	68
33	20X26AWG	7.1	25.8	74
34	25X26AWG	8.0	32.3	94
35	30X26AWG	8.4	38.7	107
36	32X26AWG	8.7	41.3	114
37	36X26AWG	9.2	46.4	128
38	37X26AWG	9.2	47.7	129
39	40X26AWG	9.5	51.6	138
40	50X26AWG	10.8	64.5	177
41	2X24AWG	3.8	4.1	18
42	3X24AWG	4.0	6.1	21
43	4X24AWG	4.3	8.1	25
44	5X24AWG	4.6	10.1	30
45	6X24AWG	4.9	12.2	35
46	7X24AWG	4.9	14.2	37
47	8X24AWG	5.2	16.2	42
48	10X24AWG	6.2	20.3	57
49	12X24AWG	6.4	24.3	63
50	14X24AWG	6.7	28.4	70
51	16X24AWG	7.0	32.4	78
52	18X24AWG	7.3	36.5	86
53	20X24AWG	7.8	40.5	98
54	25X24AWG	8.6	50.7	120
55	30X24AWG	9.3	60.8	141
56	32X24AWG	9.6	64.9	151
57	36X24AWG	9.9	73.0	165
58	37X24AWG	9.9	75.0	166

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	183
60	50X24AWG	12.1	101.4	238
61	2X22AWG	4.2	6.3	23
62	3X22AWG	4.4	9.4	28
63	4X22AWG	4.7	12.5	34
64	5X22AWG	5.1	15.7	40
65	6X22AWG	5.5	18.8	47
66	7X22AWG	5.5	21.9	50
67	8X22AWG	5.9	25.1	57
68	10X22AWG	7.0	31.3	77
69	12X22AWG	7.2	37.6	86
70	14X22AWG	7.5	43.9	97
71	16X22AWG	8.1	50.1	111
72	18X22AWG	8.5	56.4	123
73	20X22AWG	8.9	62.7	136
74	25X22AWG	10.0	78.3	171
75	30X22AWG	10.7	94.0	200
76	36X22AWG	11.7	112.8	239
77	37X22AWG	11.9	115.9	246
78	40X22AWG	12.3	125.3	265
79	2X20AWG	4.8	9.6	31
80	3X20AWG	5.0	14.4	38
81	4X20AWG	5.5	19.2	47
82	5X20AWG	5.9	24.0	57
83	6X20AWG	6.4	28.8	67
84	7X20AWG	6.4	33.5	71
85	8X20AWG	7.1	38.3	85
86	10X20AWG	8.4	47.9	114
87	12X20AWG	8.6	57.5	127
88	14X20AWG	9.3	67.1	146
89	16X20AWG	9.7	76.7	164
90	18X20AWG	10.4	86.3	186
91	20X20AWG	10.9	95.8	205
92	25X20AWG	12.4	119.8	262
93	30X20AWG	13.1	143.8	301
94	37X20AWG	14.2	177.3	362
95	40X20AWG	14.7	191.7	389
96	2X18AWG	5.2	15.1	40
97	3X18AWG	5.5	22.7	50
98	4X18AWG	5.9	30.2	62
99	5X18AWG	6.7	37.8	78
100	6X18AWG	7.2	45.3	92
101	7X18AWG	7.2	52.9	99
102	8X18AWG	7.9	60.5	117
103	10X18AWG	9.4	75.6	155
104	12X18AWG	9.7	90.7	174
105	16X18AWG	10.9	120.9	226
106	18X18AWG	11.8	136.0	260
107	20X18AWG	12.3	151.1	287
108	25X18AWG	13.8	188.9	359
109	2X16AWG	6.4	23.4	62
110	3X16AWG	6.8	35.1	77
111	4X16AWG	7.6	46.8	100
112	5X16AWG	8.3	58.5	121
113	2X14AWG	7.2	36.9	84
114	3X14AWG	7.8	55.3	111
115	4X14AWG	8.6	73.8	139
116	5X14AWG	9.6	92.2	174

数据电缆 DATA CABLE

01

弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

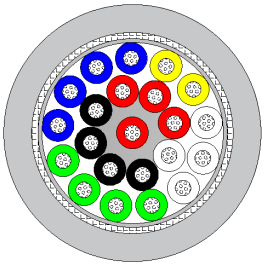
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LiYCPV
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Li2YPV
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AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 21481-S

UL/CUL 认证 TPE 护套柔性屏蔽数据电缆

UL/CUL certified TPE sheathed flexible shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔+镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications needing anti-electromagnetic interference, and is suitable for fixed installation as well as occasional movement without forced stress or fixed direction.

产品特性

无卤材料；
柔性，易弯曲；
耐油性，符合 ISO6722；
阻燃性符合 FT1,VW-1；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
偶尔移动。

Product characteristics

Halogen-free materials;
Flexible and easy to bend;
Oil resistance, conform to ISO6722;
Flame retardancy conform to FT1, VW-1;
Suitable for electromagnetic compatibility (EMC) occasions;
Small cable outer diameter, saving installation space;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21481，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21481, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shielding, approximately 80% coverage;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-40 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +80℃ ;
　　mobile installation: -40 to +80℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.9	6.4	18
2	3X28AWG	4.0	7.5	20
3	4X28AWG	4.3	8.8	23
4	5X28AWG	4.5	10.1	26
5	6X28AWG	4.8	11.5	29
6	7X28AWG	4.8	12.3	30
7	8X28AWG	5.1	13.7	34
8	10X28AWG	5.9	16.7	42
9	12X28AWG	6.0	18.5	46
10	14X28AWG	6.3	20.5	51
11	16X28AWG	6.5	22.6	55
12	18X28AWG	6.8	24.7	60
13	20X28AWG	7.3	26.8	68
14	25X28AWG	7.9	34.9	82
15	30X28AWG	8.3	39.6	92
16	32X28AWG	8.5	41.8	97
17	36X28AWG	9.0	45.5	109
18	37X28AWG	9.0	46.3	110
19	40X28AWG	9.3	49.3	117
20	50X28AWG	10.5	59.5	144
21	2X26AWG	4.1	8.0	20
22	3X26AWG	4.3	9.7	23
23	4X26AWG	4.5	11.6	27
24	5X26AWG	4.8	13.6	31
25	6X26AWG	5.1	15.7	35
26	7X26AWG	5.1	16.9	37
27	8X26AWG	5.4	19.0	41
28	10X26AWG	6.3	23.3	52
29	12X26AWG	6.5	26.3	57
30	14X26AWG	6.7	29.5	63
31	16X26AWG	7.0	32.8	69
32	18X26AWG	7.3	38.8	78
33	20X26AWG	7.8	42.3	88
34	25X26AWG	8.5	50.8	104
35	30X26AWG	8.9	58.5	118
36	32X26AWG	9.4	61.9	128
37	36X26AWG	9.9	67.9	143
38	37X26AWG	9.9	69.2	145
39	40X26AWG	10.2	74.0	154
40	50X26AWG	11.5	90.2	189
41	2X24AWG	4.3	10.0	23
42	3X24AWG	4.5	12.4	27
43	4X24AWG	4.8	15.2	32
44	5X24AWG	5.1	18.0	37
45	6X24AWG	5.4	20.8	42
46	7X24AWG	5.4	22.9	45
47	8X24AWG	5.9	25.7	52
48	10X24AWG	6.7	31.7	63
49	12X24AWG	6.9	36.1	70
50	14X24AWG	7.4	40.9	81
51	16X24AWG	7.7	48.5	92
52	18X24AWG	8.2	53.5	103
53	20X24AWG	8.5	58.6	112
54	25X24AWG	9.3	71.0	133
55	30X24AWG	10.0	82.5	155
56	32X24AWG	10.3	87.5	164
57	36X24AWG	10.8	96.6	183
58	37X24AWG	10.8	98.6	186

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	11.1	105.7	198
60	50X24AWG	12.6	129.6	244
61	2X22AWG	4.7	13.2	28
62	3X22AWG	4.9	16.8	34
63	4X22AWG	5.2	20.8	40
64	5X22AWG	5.6	24.8	47
65	6X22AWG	6.2	28.9	56
66	7X22AWG	6.2	32.1	61
67	8X22AWG	6.6	36.2	68
68	10X22AWG	7.7	47.5	88
69	12X22AWG	7.9	54.3	99
70	14X22AWG	8.2	61.6	110
71	16X22AWG	8.8	69.0	125
72	18X22AWG	9.2	76.4	137
73	20X22AWG	9.8	83.9	153
74	25X22AWG	10.7	102.2	183
75	30X22AWG	11.4	119.5	214
76	36X22AWG	12.4	140.5	252
77	37X22AWG	12.4	143.7	257
78	40X22AWG	13.0	154.2	279
79	2X20AWG	5.3	18.0	36
80	3X20AWG	5.5	23.4	45
81	4X20AWG	6.0	29.2	54
82	5X20AWG	6.6	35.1	66
83	6X20AWG	7.1	41.1	76
84	7X20AWG	7.1	45.9	83
85	8X20AWG	7.8	54.7	99
86	10X20AWG	9.1	67.6	124
87	12X20AWG	9.3	78.0	139
88	14X20AWG	9.8	88.8	156
89	16X20AWG	10.4	99.7	178
90	18X20AWG	11.1	110.7	200
91	20X20AWG	11.8	121.8	222
92	25X20AWG	12.9	149.0	266
93	30X20AWG	13.6	174.9	307
94	37X20AWG	14.7	211.3	369
95	40X20AWG	15.4	227.1	400
96	2X18AWG	5.7	24.5	45
97	3X18AWG	6.0	32.8	57
98	4X18AWG	6.4	41.5	69
99	5X18AWG	7.2	50.3	85
100	6X18AWG	7.9	62.1	104
101	7X18AWG	7.9	69.6	114
102	8X18AWG	8.6	78.8	131
103	10X18AWG	10.1	97.7	165
104	12X18AWG	10.6	113.6	191
105	16X18AWG	11.8	146.7	244
106	18X18AWG	12.3	163.5	268
107	20X18AWG	12.8	180.2	293
108	25X18AWG	14.3	221.7	359
109	2X16AWG	7.3	35.8	70
110	3X16AWG	7.7	51.2	91
111	4X16AWG	8.3	64.7	112
112	5X16AWG	9.2	78.4	137
113	2X14AWG	8.1	54.2	94
114	3X14AWG	8.5	74.0	122
115	4X14AWG	9.5	94.6	155
116	5X14AWG	10.5	115.4	189

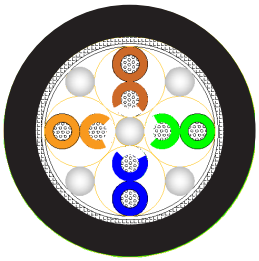
数据电缆 DATA CABLE

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AWM 21481-SP

UL/CUL 认证 TPE 护套柔性对绞屏蔽数据电缆

UL/CUL certified TPE sheathed flexible twisted pair shielded data cable



弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

PUR-LIY11Y
PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications requiring anti-electromagnetic interference. They are suitable for fixed installation as well as occasional movement without forced stress or fixed direction, and are intended for the North American market where UL/CSA certified cables are required for export.

产品特性

无卤材料；
柔性，易弯曲；
耐油性，符合 ISO6722；
阻燃性符合 FT1,VW-1 ；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
偶尔移动。

Product characteristics

Halogen-free materials;
Flexible and easy to bend;
Oil resistance, conform to ISO6722;
Flame retardancy conform to FT1, VW-1;
Twisted-pair structure enables circuit decoupling (crosstalk effect);
Suitable for electromagnetic compatibility (EMC) occasions;
Small cable outer diameter, saving installation space;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21481，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21481, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPE 外护套。
外护套黑色或灰色（RAL7001）

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation materials are optional;
Cores twisted into pairs;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shielding, approximately 80% coverage;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−40 至+ 80℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: −40 to +80℃ ;
　　mobile installation: −40 to +80℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	3.9	6.4	17
2	2X2X28AWG	5.2	10.5	28
3	3X2X28AWG	5.7	12.8	35
4	4X2X28AWG	6.1	15.2	40
5	5X2X28AWG	6.5	17.7	46
6	6X2X28AWG	7.0	17.3	46
7	7X2X28AWG	7.0	18.8	49
8	8X2X28AWG	7.6	24.2	63
9	10X2X28AWG	8.8	32.9	82
10	12X2X28AWG	9.3	36.4	93
11	16X2X28AWG	10.3	44.7	115
12	20X2X28AWG	11.2	53.1	134
13	25X2X28AWG	12.4	63.5	162
14	1X2X26AWG	4.1	8.1	20
15	2X2X26AWG	5.5	13.6	33
16	3X2X26AWG	6.1	17.0	41
17	4X2X26AWG	6.5	20.7	48
18	5X2X26AWG	7.0	24.4	55
19	6X2X26AWG	7.5	25.7	57
20	7X2X26AWG	7.5	28.3	61
21	8X2X26AWG	8.2	37.5	79
22	10X2X26AWG	9.5	46.1	100
23	12X2X26AWG	10.0	52.0	114
24	16X2X26AWG	11.1	65.0	142
25	20X2X26AWG	12.1	78.3	166
26	25X2X26AWG	13.4	94.6	202
27	1X2X24AWG	4.3	10.0	22
28	2X2X24AWG	5.8	17.3	38
29	3X2X24AWG	6.4	22.3	48
30	4X2X24AWG	6.9	27.6	57
31	5X2X24AWG	7.6	32.9	69
32	6X2X24AWG	8.3	41.2	84
33	7X2X24AWG	8.3	45.3	90

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	9.1	51.0	103
35	10X2X24AWG	10.4	62.8	124
36	12X2X24AWG	10.8	71.8	142
37	16X2X24AWG	9.8	90.9	129
38	20X2X24AWG	13.1	110.4	210
39	25X2X24AWG	14.6	134.4	255
40	1X2X22AWG	4.7	13.2	27
41	2X2X22AWG	6.7	23.3	49
42	3X2X22AWG	7.1	30.7	61
43	4X2X22AWG	7.9	41.2	78
44	5X2X22AWG	8.5	49.2	91
45	6X2X22AWG	9.3	57.4	108
46	7X2X22AWG	9.3	63.7	116
47	8X2X22AWG	10.2	71.9	133
48	10X2X22AWG	11.9	88.9	167
49	12X2X22AWG	12.2	102.4	186
50	16X2X22AWG	13.6	130.9	235
51	1X2X20AWG	5.3	18.0	35
52	2X2X20AWG	7.6	35.1	67
53	3X2X20AWG	8.2	46.4	83
54	4X2X20AWG	9.1	58.0	104
55	5X2X20AWG	10.0	69.8	126
56	6X2X20AWG	11.0	62.6	124
57	7X2X20AWG	11.0	72.1	137
58	8X2X20AWG	12.0	103.3	186
59	10X2X20AWG	14.1	127.9	232
60	12X2X20AWG	14.5	148.3	261
61	16X2X20AWG	16.1	190.9	331
62	1X2X18AWG	5.9	24.5	45
63	2X2X18AWG	8.3	48.0	82
64	3X2X18AWG	9.1	65.1	109
65	4X2X18AWG	10.1	82.5	136
66	5X2X18AWG	11.1	100.1	166

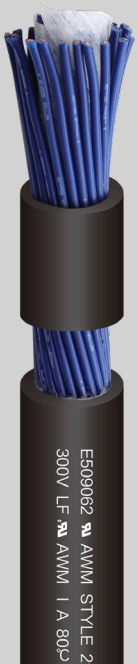
数据电缆 DATA CABLE

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弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

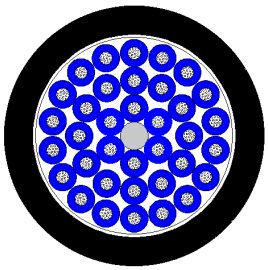
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PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 21002

UL/CUL 认证耐热 TPE 护套柔性数据电缆

UL/CUL certified heat-resistant TPE sheathed flexible data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance.

产品特性

无卤材料；
柔性，易弯曲；
耐油性，符合 ISO6722；
阻燃性符合 FT1,VW-1；
良好的耐热，抗老化性能；
电缆外径小，节约安装空间；
偶尔移动。

Product characteristics

Halogen-free materials;
Flexible and easy to bend;
Oil resistance, conform to ISO6722;
Flame retardancy conform to FT1, VW-1;
Excellent heat resistance and anti-aging performance;
Small cable outer diameter, saving installation space;
Suitable for occasional movement;

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21002，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21002, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
耐热 PVC/ 耐热 TPE 芯线绝缘材质可选；
耐热 TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
Heat resistant PVC/TPE core wire insulation materials are optional;
Heat-resistant TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 105℃；
　　移动安装：-40 至+ 105℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +105℃ ;
　　mobile installation: -40 to +105℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	3.4	1.5	13
2	3X28AWG	3.5	2.2	15
3	4X28AWG	3.8	2.9	17
4	5X28AWG	4.0	3.6	20
5	6X28AWG	4.3	4.4	23
6	7X28AWG	4.3	5.1	23
7	8X28AWG	4.6	5.8	26
8	10X28AWG	5.2	7.3	34
9	12X28AWG	5.3	8.7	37
10	14X28AWG	5.6	10.2	41
11	16X28AWG	6.0	11.6	48
12	18X28AWG	6.3	13.1	52
13	20X28AWG	6.6	14.5	57
14	25X28AWG	7.4	18.1	72
15	30X28AWG	7.8	21.8	81
16	32X28AWG	8.0	23.2	87
17	36X28AWG	8.5	26.1	98
18	37X28AWG	8.5	26.9	98
19	40X28AWG	8.8	29.0	105
20	50X28AWG	10.0	36.3	135
21	2X26AWG	3.6	2.6	15
22	3X26AWG	3.8	3.9	18
23	4X26AWG	4.0	5.2	21
24	5X26AWG	4.3	6.5	24
25	6X26AWG	4.6	7.7	28
26	7X26AWG	4.6	9.0	29
27	8X26AWG	4.9	10.3	34
28	10X26AWG	5.6	12.9	43
29	12X26AWG	5.8	15.5	47
30	14X26AWG	6.2	18.1	55
31	16X26AWG	6.5	20.6	61
32	18X26AWG	6.8	23.2	68
33	20X26AWG	7.1	25.8	74
34	25X26AWG	8.0	32.3	94
35	30X26AWG	8.4	38.7	107
36	32X26AWG	8.7	41.3	114
37	36X26AWG	9.2	46.4	128
38	37X26AWG	9.2	47.7	129
39	40X26AWG	9.5	51.6	138
40	50X26AWG	10.8	64.5	177
41	2X24AWG	3.8	4.1	18
42	3X24AWG	4.0	6.1	21
43	4X24AWG	4.3	8.1	25
44	5X24AWG	4.6	10.1	30
45	6X24AWG	4.9	12.2	35
46	7X24AWG	4.9	14.2	37
47	8X24AWG	5.2	16.2	42
48	10X24AWG	6.2	20.3	57
49	12X24AWG	6.4	24.3	63
50	14X24AWG	6.7	28.4	70
51	16X24AWG	7.0	32.4	78
52	18X24AWG	7.3	36.5	86
53	20X24AWG	7.8	40.5	98
54	25X24AWG	8.6	50.7	120
55	30X24AWG	9.3	60.8	141
56	32X24AWG	9.6	64.9	151
57	36X24AWG	9.9	73.0	165
58	37X24AWG	9.9	75.0	166

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	40X24AWG	10.4	81.1	183
60	50X24AWG	12.1	101.4	238
61	2X22AWG	4.2	6.3	23
62	3X22AWG	4.4	9.4	28
63	4X22AWG	4.7	12.5	34
64	5X22AWG	5.1	15.7	40
65	6X22AWG	5.5	18.8	47
66	7X22AWG	5.5	21.9	50
67	8X22AWG	5.9	25.1	57
68	10X22AWG	7.0	31.3	77
69	12X22AWG	7.2	37.6	86
70	14X22AWG	7.5	43.9	97
71	16X22AWG	8.1	50.1	111
72	18X22AWG	8.5	56.4	123
73	20X22AWG	8.9	62.7	136
74	25X22AWG	10.0	78.3	171
75	30X22AWG	10.7	94.0	200
76	36X22AWG	11.7	112.8	239
77	37X22AWG	11.9	115.9	246
78	40X22AWG	12.3	125.3	265
79	2X20AWG	4.8	9.6	31
80	3X20AWG	5.0	14.4	38
81	4X20AWG	5.5	19.2	47
82	5X20AWG	5.9	24.0	57
83	6X20AWG	6.4	28.8	67
84	7X20AWG	6.4	33.5	71
85	8X20AWG	7.1	38.3	85
86	10X20AWG	8.4	47.9	114
87	12X20AWG	8.6	57.5	127
88	14X20AWG	9.3	67.1	146
89	16X20AWG	9.7	76.7	164
90	18X20AWG	10.4	86.3	186
91	20X20AWG	10.9	95.8	205
92	25X20AWG	12.4	119.8	262
93	30X20AWG	13.1	143.8	301
94	37X20AWG	14.2	177.3	362
95	40X20AWG	14.7	191.7	389
96	2X18AWG	5.2	15.1	40
97	3X18AWG	5.5	22.7	50
98	4X18AWG	5.9	30.2	62
99	5X18AWG	6.7	37.8	78
100	6X18AWG	7.2	45.3	92
101	7X18AWG	7.2	52.9	99
102	8X18AWG	7.9	60.5	117
103	10X18AWG	9.4	75.6	155
104	12X18AWG	9.7	90.7	174
105	16X18AWG	10.9	120.9	226
106	18X18AWG	11.8	136.0	260
107	20X18AWG	12.3	151.1	287
108	25X18AWG	13.8	188.9	359
109	2X16AWG	6.4	23.4	62
110	3X16AWG	6.8	35.1	77
111	4X16AWG	7.6	46.8	100
112	5X16AWG	8.3	58.5	121
113	2X14AWG	7.2	36.9	84
114	3X14AWG	7.8	55.3	111
115	4X14AWG	8.6	73.8	139
116	5X14AWG	9.6	92.2	174

数据电缆 DATA CABLE

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弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

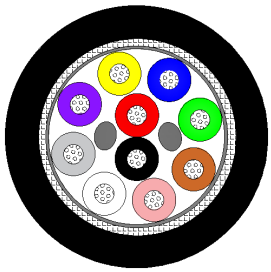
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PUR-LI2Y11Y
PUR-LIYC11Y
PUR-LI2YC11Y
PUR-LIYC11Y-TP
PUR-LI2YC11Y-TP
PUR-LI2YC11Y PiMF
LiYPV
LiYCPV
LiYCPV-TP
Li2YPV
Li2YCPV
Li2YCPV-TP
AWM 20233
AWM 20549
AWM 20936
AWM 20233-S
AWM 20549-S
AWM 20936-S
AWM 20233-SP
AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 21002-S

UL/CUL 认证耐热 TPE 护套柔性屏蔽数据电缆

UL/CUL certified heat-resistant TPE sheathed flexible shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications needing anti-electromagnetic interference, and is suitable for fixed installation as well as occasional movement without forced stress or fixed direction.

产品特性

无卤材料；
柔性，易弯曲；
耐油性，符合 ISO6722；
阻燃性符合 FT1,VW-1；
良好的耐热，抗老化性能；
电磁兼容 EMC 场合；
对绞结构可使电路去耦（串音效果）；
电缆外径小，节约安装空间。
偶尔移动

Product characteristics

Halogen-free materials;
Flexible and easy to bend;
Oil resistance, conform to ISO6722;
Flame retardancy conform to FT1, VW-1;
Excellent heat resistance and anti-aging performance;
Suitable for electromagnetic compatibility (EMC) occasions;
Twisted-pair structure enables circuit decoupling (crosstalk effect);
Small cable outer diameter, saving installation space
Suitable for occasional movement

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21002，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21002, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
耐热 PVC/ 耐热 TPE 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
耐热 TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper, conform to IEC60228, Class 5;
Heat resistant PVC/TPE core wire insulation materials are optional;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shielding, approximately 80% coverage;
Heat-resistant TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 105℃；
　　移动安装：-40 至+ 105℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: -40 to +105℃ ;
　　mobile installation: -40 to +105℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X28AWG	4.5	7.9	24
2	3X28AWG	4.7	9.1	28
3	4X28AWG	5.0	10.6	32
4	5X28AWG	5.3	12.1	36
5	6X28AWG	5.7	13.8	41
6	7X28AWG	5.7	14.5	43
7	8X28AWG	6.3	16.1	50
8	10X28AWG	7.1	19.6	60
9	12X28AWG	7.5	24.2	72
10	14X28AWG	7.8	26.6	79
11	16X28AWG	8.1	29.1	86
12	18X28AWG	8.5	31.6	93
13	20X28AWG	9.1	34.1	105
14	25X28AWG	9.9	40.2	122
15	30X28AWG	10.6	45.3	142
16	32X28AWG	10.9	47.8	150
17	36X28AWG	11.5	51.8	167
18	37X28AWG	11.5	52.5	169
19	40X28AWG	12.1	55.8	185
20	50X28AWG	13.4	67.0	220
21	2X26AWG	4.7	9.5	27
22	3X26AWG	4.9	11.3	31
23	4X26AWG	5.2	13.4	36
24	5X26AWG	5.6	15.6	42
25	6X26AWG	6.2	17.9	50
26	7X26AWG	6.2	19.2	53
27	8X26AWG	6.6	21.4	59
28	10X26AWG	7.7	29.1	77
29	12X26AWG	7.9	32.2	84
30	14X26AWG	8.2	35.8	93
31	16X26AWG	8.6	39.5	102
32	18X26AWG	9.2	43.2	115
33	20X26AWG	9.6	47.0	124
34	25X26AWG	10.7	56.1	151
35	30X26AWG	11.4	64.2	176
36	32X26AWG	12.0	67.9	191
37	36X26AWG	12.4	74.2	206
38	37X26AWG	12.4	75.5	209
39	40X26AWG	12.8	80.5	222
40	2X24AWG	5.0	11.7	31
41	3X24AWG	5.2	14.3	37
42	4X24AWG	5.6	17.3	43
43	5X24AWG	6.0	20.3	50
44	6X24AWG	6.7	23.4	59
45	7X24AWG	6.7	25.4	64
46	8X24AWG	7.3	28.6	74
47	10X24AWG	8.3	38.2	92
48	12X24AWG	8.5	42.9	102
49	14X24AWG	9.1	48.1	117
50	16X24AWG	9.5	53.4	129
51	18X24AWG	10.2	58.7	145
52	20X24AWG	10.6	64.1	157
53	25X24AWG	11.8	77.2	191

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
54	30X24AWG	12.6	89.1	223
55	2X22AWG	5.3	14.7	36
56	3X22AWG	5.5	18.4	43
57	4X22AWG	6.0	22.6	51
58	5X22AWG	6.6	26.8	62
59	6X22AWG	7.1	31.2	71
60	7X22AWG	7.1	34.3	77
61	8X22AWG	7.6	41.5	88
62	10X22AWG	8.9	51.0	111
63	12X22AWG	9.3	58.0	128
64	14X22AWG	9.8	65.6	143
65	16X22AWG	10.4	73.2	162
66	18X22AWG	11.1	80.9	182
67	20X22AWG	11.8	88.6	203
68	25X22AWG	12.9	107.5	241
69	2X20AWG	5.6	18.7	42
70	3X20AWG	5.9	24.2	51
71	4X20AWG	6.3	30.1	61
72	5X20AWG	7.0	36.1	75
73	6X20AWG	7.6	45.1	89
74	7X20AWG	7.6	49.8	96
75	8X20AWG	8.3	56.2	111
76	10X20AWG	9.7	69.4	140
77	12X20AWG	10.0	79.8	157
78	14X20AWG	10.6	90.8	181
79	16X20AWG	11.3	101.8	205
80	18X20AWG	12.1	112.9	230
81	20X20AWG	12.6	124.1	250
82	25X20AWG	14.0	151.7	305
83	30X20AWG	14.7	177.8	350
84	37X20AWG	16.0	214.4	420
85	40X20AWG	16.5	230.4	448
86	2X18AWG	6.2	25.8	53
87	3X18AWG	6.5	34.1	66
88	4X18AWG	7.3	45.6	86
89	5X18AWG	7.8	54.9	101
90	6X18AWG	8.7	64.3	121
91	7X18AWG	8.7	71.9	132
92	8X18AWG	9.5	81.3	152
93	10X18AWG	11.1	100.6	191
94	12X18AWG	11.6	116.7	221
95	16X18AWG	12.9	150.2	281
96	18X18AWG	13.6	167.2	309
97	20X18AWG	14.4	184.1	344
98	25X18AWG	15.8	226.1	414
99	2X16AWG	7.1	35.8	71
100	3X16AWG	7.5	51.2	92
101	4X16AWG	8.3	64.7	117
102	5X16AWG	9.2	78.4	142
103	2X14AWG	7.9	54.2	95
104	3X14AWG	8.5	74.0	126
105	4X14AWG	9.5	94.6	161
106	5X14AWG	10.5	115.4	196

数据电缆 DATA CABLE

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弹性体护套柔性数据传输电缆

ELASTOMER SHEATHED FLEXIBLE DATA TRANSMISSION CABLE

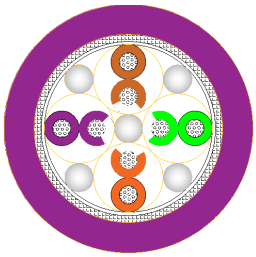
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PUR-LI2YC11Y PiMF
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LiYCPV
LiYCPV-TP
Li2YPV
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AWM 20936
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AWM 20549-SP
AWM 20936-SP
AWM 21481
AWM 21481-S
AWM 21481-SP
AWM 21002
AWM 21002-S
AWM 21002-SP



AWM 21002-SP

UL/CUL 认证耐热 TPE 护套柔性对绞屏蔽数据电缆

UL/CUL certified heat-resistant TPE sheathed flexible twisted pair shielded data cable



应用范围

这些信号和控制电缆适用于计算机系统、电子控制设备、办公室设备、测量设备等，适合在需要出色的机械性能和耐化学性能的工业环境中使用。铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适合固定安装及无强制应力，无固定方向的偶尔运动。

Scope of application

These signal and control cables are suitable for computer systems, electronic control equipment, office devices, measuring instruments, etc., and are applicable in industrial environments requiring excellent mechanical performance and chemical resistance. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications needing anti-electromagnetic interference, and is suitable for fixed installation as well as occasional movement without forced stress or fixed direction.

产品特性

无卤材料；
柔性，易弯曲；
耐油性，符合 ISO6722；
阻燃性符合 FT1,VW-1；
良好的耐热，抗老化性能；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
偶尔移动。

Product characteristics

Halogen-free materials;
Flexible and easy to bend;
Oil resistance, conform to ISO6722;
Flame retardancy conform to FT1, VW-1;
Excellent heat resistance and anti-aging performance;
Suitable for electromagnetic compatibility (EMC) occasions;
Small cable outer diameter, saving installation space;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21002，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21002, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐热 PVC/ 耐热 TPE 芯线绝缘材质可选；
芯线绞合成对；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
耐热 TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Heat resistant PVC/TPE core wire insulation materials are optional;
Cores twisted into pairs;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shielding, approximately 80% coverage;
Heat-resistant TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 105℃；
　　移动安装：−40 至+ 105℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Capacitance: approximately 120nF/km;
Inductance: approximately 0.65mH/km;
Temperature range:
　　fixed installation: −40 to +105℃ ;
　　mobile installation: −40 to +105℃ .
Minimum bending radius:
　　fixed installation: 7.5X cable diameter;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X2X28AWG	4.5	7.9	25
2	2X2X28AWG	6.3	12.9	44
3	3X2X28AWG	6.8	15.4	51
4	4X2X28AWG	7.3	18.1	59
5	5X2X28AWG	7.8	23.8	71
6	6X2X28AWG	8.6	24.2	75
7	7X2X28AWG	8.6	25.6	79
8	8X2X28AWG	9.2	31.8	98
9	10X2X28AWG	10.8	38.7	123
10	12X2X28AWG	11.3	42.6	140
11	16X2X28AWG	12.6	51.6	173
12	20X2X28AWG	13.8	60.9	203
13	25X2X28AWG	15.4	72.3	246
14	1X2X26AWG	4.7	9.6	27
15	2X2X26AWG	6.7	15.9	49
16	3X2X26AWG	7.1	19.7	58
17	4X2X26AWG	7.7	26.4	71
18	5X2X26AWG	8.3	30.8	82
19	6X2X26AWG	9.1	30.1	85
20	7X2X26AWG	9.1	32.7	91
21	8X2X26AWG	10.0	42.4	119
22	10X2X26AWG	11.7	52.0	149
23	12X2X26AWG	12.2	58.1	170
24	16X2X26AWG	13.4	71.9	205
25	20X2X26AWG	14.9	86.1	248
26	25X2X26AWG	16.6	103.4	301
27	1X2X24AWG	5.0	11.7	31
28	2X2X24AWG	6.9	20.1	53
29	3X2X24AWG	7.7	28.2	71
30	4X2X24AWG	8.5	34.1	88
31	5X2X24AWG	9.4	40.2	106
32	6X2X24AWG	10.1	46.3	121
33	7X2X24AWG	10.1	50.4	129

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
34	8X2X24AWG	11.0	56.6	148
35	10X2X24AWG	12.9	69.7	186
36	12X2X24AWG	13.2	78.9	206
37	16X2X24AWG	14.7	99.0	258
38	20X2X24AWG	16.4	119.5	313
39	25X2X24AWG	18.1	144.7	371
40	1X2X22AWG	5.3	14.7	36
41	2X2X22AWG	7.6	28.4	69
42	3X2X22AWG	8.2	36.4	84
43	4X2X22AWG	9.1	44.7	105
44	5X2X22AWG	9.8	53.2	122
45	6X2X22AWG	10.8	61.8	144
46	7X2X22AWG	10.8	68.1	156
47	8X2X22AWG	12.0	76.7	184
48	10X2X22AWG	13.9	94.7	224
49	12X2X22AWG	14.5	108.5	257
50	16X2X22AWG	15.9	137.8	316
51	1X2X20AWG	5.6	18.7	42
52	2X2X20AWG	8.1	36.5	80
53	3X2X20AWG	8.9	47.9	104
54	4X2X20AWG	9.7	59.8	125
55	5X2X20AWG	10.9	71.8	157
56	6X2X20AWG	12.0	64.8	155
57	7X2X20AWG	12.0	74.4	170
58	8X2X20AWG	12.8	105.7	224
59	10X2X20AWG	15.1	130.8	280
60	12X2X20AWG	15.7	151.3	322
61	16X2X20AWG	17.5	194.4	406
62	1X2X18AWG	6.4	25.8	56
63	2X2X18AWG	9.3	50.4	106
64	3X2X18AWG	10.2	67.7	139
65	4X2X18AWG	11.3	85.4	174
66	5X2X18AWG	12.4	103.4	211

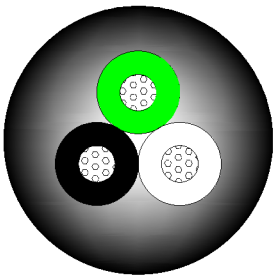
数据电缆 DATA CABLE

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SJT

UL/CUL 认证 300V PVC 护套电源线

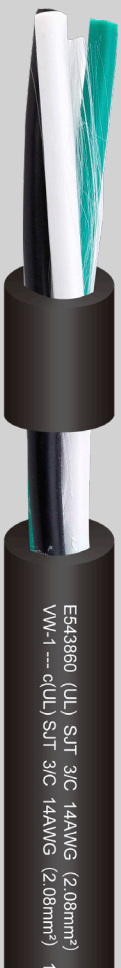
UL/CUL certified 300V PVC sheathed power cable



300V
PVC 柔性电源线

300V PVC FLEXIBLE POWER CABLE

- SJT
- SJTO
- SJTOO
- SJTW
- SJTOW
- SJTOOW



应用范围

具有良好的柔韧性，可用于家用电器的电源连接以及室内照明设备的供电。

Scope of application

With good flexibility, these cables can be used for power connection of household appliances and power supply of indoor lighting equipment.

产品特性

较好的柔韧性 , 便于安装；
阻燃性符合 FT2,FT1,VW-1 可选。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional).

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
PVC outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −20℃
最小弯曲半径：
固定安装：7.5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −20℃ ;
Minimum bending radius:
fixed installation: 7.5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.2	76.0
2	3X18AWG	7.8	22.7	90.3
3	4X18AWG	8.7	30.3	112.7
4	5X18AWG	9.6	37.9	138.2
5	6X18AWG	10.5	45.5	166.5
6	2X16AWG	7.9	23.3	91.3
7	3X16AWG	8.5	34.9	112.1
8	4X16AWG	9.4	46.6	140.3
9	5X16AWG	10.3	58.2	172.2
10	6X16AWG	11.4	69.9	207.4
11	2X14AWG	8.9	37.1	121.8
12	3X14AWG	9.4	55.7	148.9
13	4X14AWG	10.4	74.2	187.4
14	5X14AWG	11.7	92.8	233.4
15	6X14AWG	12.8	111.3	281.2
16	2X12AWG	10.4	59.5	172.2
17	3X12AWG	11.1	89.3	214.4
18	4X12AWG	12.2	119.1	269.0
19	5X12AWG	13.3	148.9	326.6
20	6X12AWG	14.6	178.6	392.4
21	2X10AWG	14.2	94.1	307.1
22	3X10AWG	15.1	141.1	373.6
23	4X10AWG	16.6	188.1	466.8
24	5X10AWG	18.3	235.2	571.4
25	6X10AWG	19.9	282.2	681.3

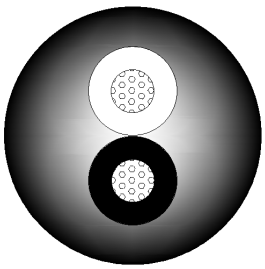
数据电缆 DATA CABLE

01

SJTO

UL/CUL 认证 300V 耐油 PVC 护套电源线

UL/CUL certified 300V oil-resistant PVC sheathed power cable



300V
PVC 柔性电源线
300V PVC FLEXIBLE POWER CABLE

SJT
SJTO
SJTOO
SJTW
SJTOW
SJTOOW



应用范围

具有良好的柔韧性和耐油性，可用于家用电器的电源连接以及室内照明设备的供电。适合特殊场所油污环境使用。

Scope of application

With good flexibility and oil resistance, these cables can be used for power connection of household appliances and power supply of indoor lighting equipment. They are suitable for use in oily environments in special places.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Sheath oil resistance conform to UL62, 60 ℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,
conform to IEC60228, Class 5;
PVC core insulation;
Oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −20℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −20℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.2	76.0
2	3X18AWG	7.8	22.7	90.3
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25	6X10AWG	19.9	282.2	681.3

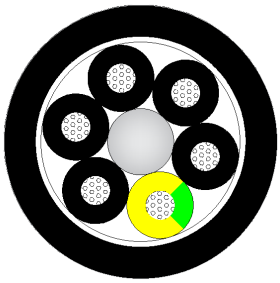
数据电缆 DATA CABLE

01

SJTOO

UL/CUL 认证 300V 耐油 PVC 绝缘 耐油 PVC 护套电源线

UL/CUL certified 300V oil-resistant PVC insulated and oil-resistant PVC sheathed power cable



300V
PVC 柔性电源线

300V PVC FLEXIBLE POWER CABLE

- SJT
- SJTO
- SJTOO
- SJTW
- SJTOW
- SJTOOW



应用范围

具有良好的柔韧性和耐油性，可用于家用电器的电源连接以及室内照明设备的供电。适合特殊场所油污环境使用。

Scope of application

With good flexibility and oil resistance, these cables can be used for power connection of household appliances and power supply of indoor lighting equipment. They are suitable for use in oily environments in special places.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Oil resistance of insulation and sheath conform to UL62, 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 PVC 芯线绝缘；
耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Oil-resistant PVC core insulation;
Oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −20℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −20℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

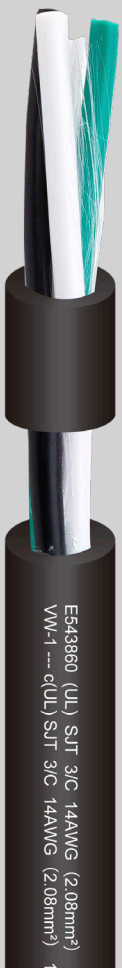
物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.2	76.0
2	3X18AWG	7.8	22.7	90.3
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24	5X10AWG	18.3	235.2	571.4
25	6X10AWG	19.9	282.2	681.3

数据电缆 DATA CABLE

01

300V
PVC 柔性电源线
300V PVC FLEXIBLE POWER CABLE

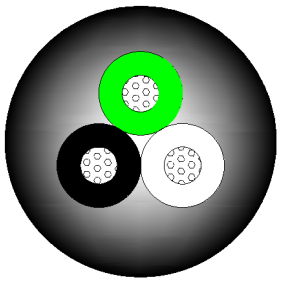
- SJT
- SJTO
- SJTOO
- SJTW
- SJTOW
- SJTOOW



SJTW

UL/CUL 认证 300V 防水耐寒抗 UV PVC 护套户外电源线

UL/CUL certified 300V waterproof, cold-resistant and UV-resistant PVC sheathed outdoor power



应用范围

具有良好的柔韧性和一定的耐候性，可用于家用电器的电源连接以及室内外照明设备的供电。适合特殊户外场所使用。

Scope of application

With good flexibility and certain weather resistance, these cables can be used for power connection of household appliances and power supply of indoor and outdoor lighting equipment. They are suitable for use in special outdoor places.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
耐寒 -40℃；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Cold resistance up to -40℃ ;
Sheath moisture resistance grade conform to UL62, Class W;
Sheath UV resistance conform to UL1581, 720-hour ultraviolet accelerated aging test.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

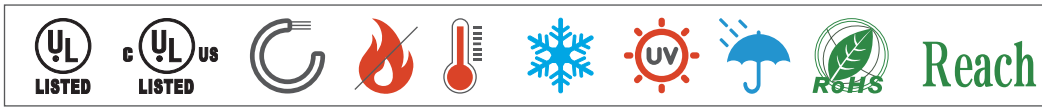
UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
户外型 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Outdoor-type PVC outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.2	76.0
2	3X18AWG	7.8	22.7	90.3
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24	5X10AWG	18.3	235.2	571.4
25	6X10AWG	19.9	282.2	681.3

数据电缆 DATA CABLE

01

300V
PVC 柔性电源线
300V PVC FLEXIBLE POWER CABLE

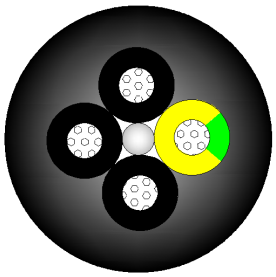
SJT
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SJTOW

UL/CUL 认证 300V 防水耐油耐寒抗 UV PVC 护套户外电源线

UL/CUL certified 300V waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable



应用范围

具有良好的柔韧性、耐油性和一定的耐候性，可用于家用电器的电源连接以及室内外照明设备的供电。适合特殊户外场所及油污环境使用。

Scope of application

With good flexibility, oil resistance and certain weather resistance, these cables can be used for power connection of household appliances and power supply of indoor and outdoor lighting equipment. They are suitable for use in special outdoor places and oily environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
耐寒 -40℃；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Cold resistance up to -40℃ ;
Sheath moisture resistance grade conform to UL62, Class W;
Sheath UV resistance conform to UL1581, 720-hour ultraviolet accelerated aging test;
Sheath oil resistance conform to UL62, 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
户外型耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Outdoor-type oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
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数据电缆 DATA CABLE

01

300V
PVC 柔性电源线
300V PVC FLEXIBLE POWER CABLE

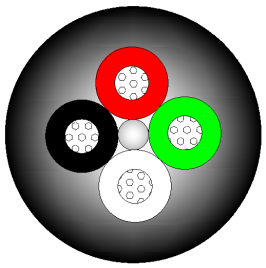
- SJT
- SJTO
- SJTOO
- SJTW
- SJTOW
- SJTOOW



SJTOOW

UL/CUL 认证 300V 耐油 PVC 绝缘 防水耐油耐寒抗 UV PVC 护套户外电源线

UL/CUL certified 300V oil-resistant PVC insulated, waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable



应用范围

具有良好的柔韧性、耐油性和一定的耐候性，可用于家用电器的电源连接以及室内外照明设备的供电。适合特殊户外场所及重油污环境使用。

Scope of application

With good flexibility, oil resistance and certain weather resistance, these cables can be used for power connection of household appliances and power supply of indoor and outdoor lighting equipment. They are suitable for use in special outdoor places and oily environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
耐寒 -40℃；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Cold resistance up to -40℃ ;
Sheath moisture resistance grade conform to UL62, Class W;
Sheath UV resistance conform to UL1581, 720-hour ultraviolet accelerated aging test;
Oil resistance of insulation and sheath conform to UL62, 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 PVC 芯线绝缘；
户外型耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Oil-resistant PVC core insulation;
Outdoor-type oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.2	76.0
2	3X18AWG	7.8	22.7	90.3
3	4X18AWG	8.7	30.3	112.7
4	5X18AWG	9.6	37.9	138.2
5	6X18AWG	10.5	45.5	166.5
6	2X16AWG	7.9	23.3	91.3
7	3X16AWG	8.5	34.9	112.1
8	4X16AWG	9.4	46.6	140.3
9	5X16AWG	10.3	58.2	172.2
10	6X16AWG	11.4	69.9	207.4
11	2X14AWG	8.9	37.1	121.8
12	3X14AWG	9.4	55.7	148.9
13	4X14AWG	10.4	74.2	187.4
14	5X14AWG	11.7	92.8	233.4
15	6X14AWG	12.8	111.3	281.2
16	2X12AWG	10.4	59.5	172.2
17	3X12AWG	11.1	89.3	214.4
18	4X12AWG	12.2	119.1	269.0
19	5X12AWG	13.3	148.9	326.6
20	6X12AWG	14.6	178.6	392.4
21	2X10AWG	14.2	94.1	307.1
22	3X10AWG	15.1	141.1	373.6
23	4X10AWG	16.6	188.1	466.8
24	5X10AWG	18.3	235.2	571.4
25	6X10AWG	19.9	282.2	681.3

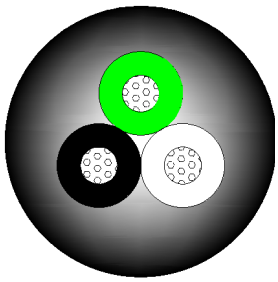
数据电缆 DATA CABLE

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SJ

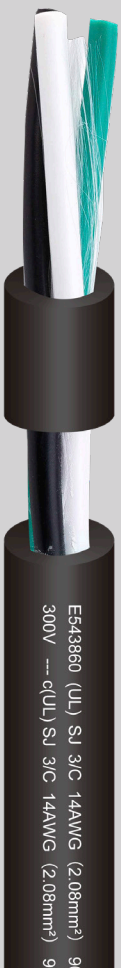
UL/CUL 认证 300V EPR 橡胶绝缘 CPE 橡胶护套电源线

UL/CUL certified 300V EPR rubber insulated and CPE rubber sheathed power cable



300V
EPR 橡胶柔性电源线
300V EPR RUBBER
FLEXIBLE POWER CABLE

- SJ
- SJO
- SJOO
- SJOW
- SJOOW



应用范围

具有优秀的柔软性，可用于具有特殊工业环境的工业设备的电源连接线。

Scope of application

With excellent flexibility, these cables can be used as power connection lines for industrial equipment in special industrial environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Excellent low-temperature resistance, remaining flexible at low temperatures.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
EPR core insulation;
CPE outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.3	76
2	3X18AWG	7.8	23.0	91
3	4X18AWG	8.6	30.6	111
4	5X18AWG	9.6	38.3	139
5	6X18AWG	10.4	45.9	165
6	2X16AWG	7.9	23.5	92
7	3X16AWG	8.4	35.3	111
8	4X16AWG	9.4	47.1	141
9	5X16AWG	10.3	58.8	173
10	6X16AWG	11.4	70.6	208
11	2X14AWG	8.9	37.5	122
12	3X14AWG	9.5	56.2	152
13	4X14AWG	10.4	75.0	188
14	5X14AWG	11.7	93.7	234
15	6X14AWG	12.8	112.4	282
16	2X12AWG	10.5	60.1	175
17	3X12AWG	11.1	90.2	215
18	4X12AWG	12.2	120.3	270
19	5X12AWG	13.4	150.3	331
20	6X12AWG	14.7	180.4	397
21	2X10AWG	14.2	95.0	308
22	3X10AWG	15.1	142.5	375
23	4X10AWG	16.6	190.0	469
24	5X10AWG	18.3	237.5	574
25	6X10AWG	20.0	285.0	689

数据电缆 DATA CABLE

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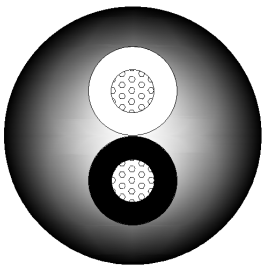
300V
EPR 橡胶柔性电源线
300V EPR RUBBER
FLEXIBLE POWER CABLE

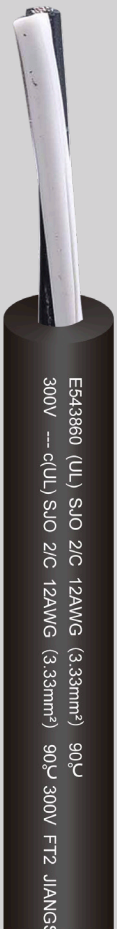
- SJ
- SJO
- SJOO
- SJOW
- SJOOW

SJO

UL/CUL 认证 300V EPR 橡胶绝缘 耐油 CPE 橡胶护套电源线

UL/CUL certified 300V EPR rubber insulated and oil-resistant CPE rubber sheathed power cable





应用范围

具有优秀的柔软性和耐油性，可用于具有工业环境下各种低压设备的电源连接线。适合特殊场所油污环境使用。

Scope of application

With excellent flexibility and oil resistance, these cables can be used as power connection lines for various low-voltage equipment in industrial environments. They are suitable for use in oily environments in special places.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Excellent low-temperature resistance, remaining flexible at low temperatures;
Sheath oil resistance conform to UL62, 60 ℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

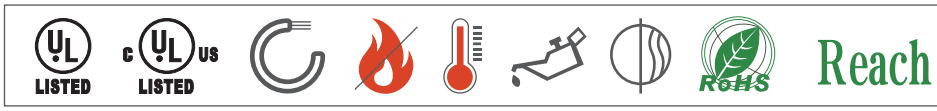
UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
耐油 CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
EPR core insulation;
Oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.3	76
2	3X18AWG	7.8	23.0	91
3	4X18AWG	8.6	30.6	111
4	5X18AWG	9.6	38.3	139
5	6X18AWG	10.4	45.9	165
6	2X16AWG	7.9	23.5	92
7	3X16AWG	8.4	35.3	111
8	4X16AWG	9.4	47.1	141
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19	5X12AWG	13.4	150.3	331
20	6X12AWG	14.7	180.4	397
21	2X10AWG	14.2	95.0	308
22	3X10AWG	15.1	142.5	375
23	4X10AWG	16.6	190.0	469
24	5X10AWG	18.3	237.5	574
25	6X10AWG	20.0	285.0	689

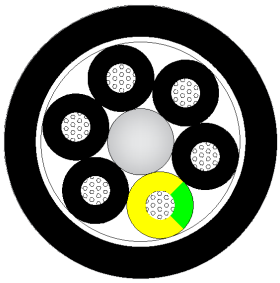
数据电缆 DATA CABLE

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SJOO

UL/CUL 认证 300V 耐油 EPR 橡胶绝缘 耐油 CPE 橡胶护套电源线

UL/CUL certified 300V oil-resistant EPR rubber insulated and oil-resistant CPE rubber sheathed power cable



300V
EPR 橡胶柔性电源线

300V EPR RUBBER
FLEXIBLE POWER CABLE

- SJ
- SJO
- SJOO
- SJOW
- SJOOW



应用范围

具有优秀的柔软性和耐油性，可用于具有工业环境下各种低压设备的电源连接线。适合特殊场所油污环境使用。

Scope of application

With excellent flexibility and oil resistance, these cables can be used as power connection lines for various low-voltage equipment in industrial environments. They are suitable for use in oily environments in special places.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Excellent low-temperature resistance, remaining flexible at low temperatures;
Oil resistance of insulation and sheath conform to UL62, 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

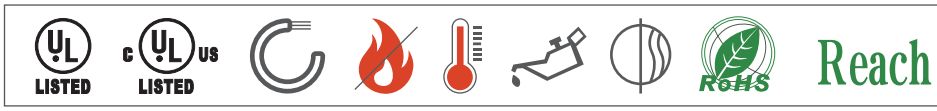
UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 EPR 芯线绝缘；
耐油 CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Oil-resistant EPR core insulation;
Oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.3	76
2	3X18AWG	7.8	23.0	91
3	4X18AWG	8.6	30.6	111
4	5X18AWG	9.6	38.3	139
5	6X18AWG	10.4	45.9	165
6	2X16AWG	7.9	23.5	92
7	3X16AWG	8.4	35.3	111
8	4X16AWG	9.4	47.1	141
9	5X16AWG	10.3	58.8	173
10	6X16AWG	11.4	70.6	208
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18	4X12AWG	12.2	120.3	270
19	5X12AWG	13.4	150.3	331
20	6X12AWG	14.7	180.4	397
21	2X10AWG	14.2	95.0	308
22	3X10AWG	15.1	142.5	375
23	4X10AWG	16.6	190.0	469
24	5X10AWG	18.3	237.5	574
25	6X10AWG	20.0	285.0	689

数据电缆 DATA CABLE

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300V
EPR 橡胶柔性电源线
300V EPR RUBBER
FLEXIBLE POWER CABLE

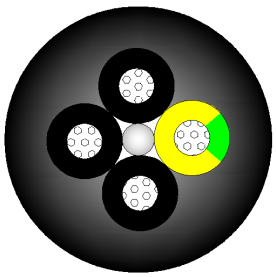
- SJ
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- SJOW
- SJOOW



SJOW

UL/CUL 认证 300V EPR 橡胶绝缘 防水耐油耐寒抗 UV CPE 橡胶护套户外电源线

UL/CUL certified 300V EPR rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant CPE rubber sheathed outdoor power cable



应用范围

具有优秀的柔软性、耐油性和耐低温性能，可用于具有工业环境下各种低压设备的电源连接线。适合特殊户外场所及油污环境使用。

Scope of application

With excellent flexibility, oil resistance and low-temperature resistance, these cables can be used as power connection lines for various low-voltage equipment in industrial environments. They are suitable for use in special outdoor places and oily environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Excellent low-temperature resistance, remaining flexible at low temperatures;
Sheath moisture resistance grade conform to UL62, Class W;
Sheath UV resistance conform to UL1581, 720-hour ultraviolet accelerated aging test;
Sheath oil resistance conform to UL62, 60 ℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification
conform to UL62
RoHS, REACH

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
户外型耐油 CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
EPR core insulation;
Outdoor-type oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.3	76
2	3X18AWG	7.8	23.0	91
3	4X18AWG	8.6	30.6	111
4	5X18AWG	9.6	38.3	139
5	6X18AWG	10.4	45.9	165
6	2X16AWG	7.9	23.5	92
7	3X16AWG	8.4	35.3	111
8	4X16AWG	9.4	47.1	141
9	5X16AWG	10.3	58.8	173
10	6X16AWG	11.4	70.6	208
11	2X14AWG	8.9	37.5	122
12	3X14AWG	9.5	56.2	152
13	4X14AWG	10.4	75.0	188
14	5X14AWG	11.7	93.7	234
15	6X14AWG	12.8	112.4	282
16	2X12AWG	10.5	60.1	175
17	3X12AWG	11.1	90.2	215
18	4X12AWG	12.2	120.3	270
19	5X12AWG	13.4	150.3	331
20	6X12AWG	14.7	180.4	397
21	2X10AWG	14.2	95.0	308
22	3X10AWG	15.1	142.5	375
23	4X10AWG	16.6	190.0	469
24	5X10AWG	18.3	237.5	574
25	6X10AWG	20.0	285.0	689

数据电缆 DATA CABLE

01

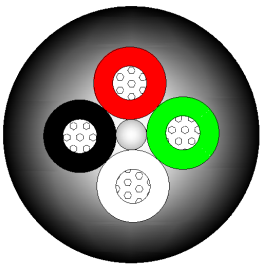
300V
EPR 橡胶柔性电源线
300V EPR RUBBER
FLEXIBLE POWER CABLE

- SJ
- SJO
- SJOO
- SJOW
- SJOOW

SJOOW

UL/CUL 认证 300V 耐油 EPR 橡胶绝缘 防水耐油耐寒抗 UV CPE 橡胶护套户外电源线

UL/CUL certified 300V oil-resistant EPR rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant CPE rubber sheathed outdoor power cable



应用范围

具有优秀的柔软性、耐油性和耐低温性能，可用于具有工业环境下各种低压设备的电源连接线。适合特殊户外场所及重油污环境使用。

Scope of application

With excellent flexibility, oil resistance and low-temperature resistance, these cables can be used as power connection lines for various low-voltage equipment in industrial environments. They are suitable for use in special outdoor places and heavy oil environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
绝缘及护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility for easy installation;
Flame retardancy conform to FT2, FT1, VW-1 (optional);
Excellent low-temperature resistance, remaining flexible at low temperatures;
Sheath moisture resistance grade conform to UL62, Class W;
Sheath UV resistance conform to UL1581, 720-hour ultraviolet accelerated aging test;
Oil resistance of insulation and sheath conform to UL62, 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 EPR 芯线绝缘；
户外型耐油 CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Oil-resistant EPR core insulation;
Outdoor-type oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.





技术参数

芯线标识：符合国际色规；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 −40℃；
最小弯曲半径：
固定安装：5X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
60℃ , 75℃ , 90℃ , 105℃ (optional grades),
cold resistance up to −40℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	7.4	15.3	76
2	3X18AWG	7.8	23.0	91
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4	5X18AWG	9.6	38.3	139
5	6X18AWG	10.4	45.9	165
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17	3X12AWG	11.1	90.2	215
18	4X12AWG	12.2	120.3	270
19	5X12AWG	13.4	150.3	331
20	6X12AWG	14.7	180.4	397
21	2X10AWG	14.2	95.0	308
22	3X10AWG	15.1	142.5	375
23	4X10AWG	16.6	190.0	469
24	5X10AWG	18.3	237.5	574
25	6X10AWG	20.0	285.0	689

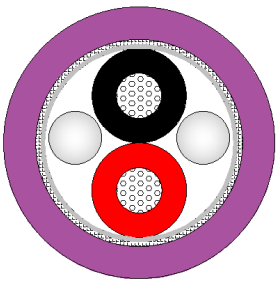
数据电缆 DATA CABLE

01

WIPSTRONIC BUS PROFIBUS-DP

PVC 护套工业 DP 总线

PVC-sheathed industrial DP bus cable



DP 总线

DP BUS CABLE

- PROFIBUS-DP
- PROFIBUS-DP-FD
- PROFIBUS-DP-FD
- CANBUS
- CANBUS FD



应用范围

PROFIBUS-DP 总线电缆用于楼宇和自动化车间通信技术中的工业现场总线系统，适用于固定安装适用。

Scope of application

PROFIBUS-DP bus cable is used in industrial fieldbus systems for communication technology in buildings and automated workshops, and is suitable for fixed installation.

产品特性

具有抗电磁干扰能力；
阻燃性符合 IEC60332-1，VW-1,CM,CMG 等;
良好的剥离性。

Product characteristics

Has anti-electromagnetic interference capability;
Flame retardancy conform to IEC60332-1, VW-1, CM, CMG, etc;
Good strippability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

实心裸铜导体；
发泡 PE 芯线绝缘；
PVC 包覆层；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套紫色（RAL4001）。

Cable structure

Solid bare copper conductor;
Foamed PE core insulation;
PVC cladding layer;
Aluminum-plastic composite film lapping;
Tinned copper braided shield, with approximately 85% coverage;
PVC outer sheath;
Outer sheath color: purple (RAL4001).

技术参数

芯线标识：红色，绿色；
导体电阻：≤ 55.0Ω/km；
额定电压：300V；
特性阻抗：150±15Ω@3-20MHz；
测试电压：2000V；
温度范围：-20 至+ 80℃；
最小弯曲半径：
固定安装：10X 电缆直径。

Technical parameters

Core identification: red, green;
Conductor resistance: ≤ 55.0Ω/km;
Rated voltage: 300V;
Characteristic impedance: 150±15Ω@3-20MHz;
Test voltage: 2000V;
Temperature range: -20℃ to +80℃ ;
Minimum bending radius:
Fixed installation: 10 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1x2x22AWG/1	8.0	25	72

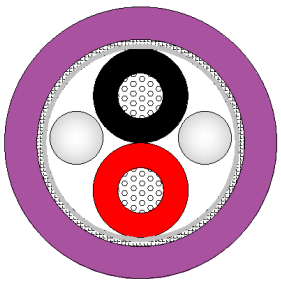
数据电缆 DATA CABLE

01

WIPSTRONIC BUS PROFIBUS-DP-FD

PVC 护套柔性工业 DP 总线

PVC-sheathed flexible industrial DP bus cable



DP 总线

DP BUS CABLE

PROFIBUS-DP

PROFIBUS-DP-FD

PROFIBUS-DP-FD

CANBUS

CANBUS FD

应用范围

PROFIBUS-DP-FD 总线电缆用于楼宇和自动化车间通信技术中的工业现场总线系统，适用于移动安装适用。

Scope of application

PROFIBUS-DP-FD bus cable is used in industrial fieldbus systems for communication technology in buildings and automated workshops, and is suitable for mobile installation.



产品特性

具有抗电磁干扰能力；
阻燃性符合 IEC60332-1，VW-1,CM,CMG 等;
具有良好的柔韧性；
良好的剥离性。

Product characteristics

Has anti-electromagnetic interference capability;
Flame retardancy conform to IEC60332-1, VW-1, CM, CMG, etc;
Excellent flexibility;
Good strippability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

多股裸铜导体；
发泡 PE 芯线绝缘；
PVC 包覆层；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套紫色（RAL4001）。

Cable structure

Stranded bare copper conductor;
Foamed PE core insulation;
PVC cladding layer;
Aluminum-plastic composite film lapping;
Tinned copper braided shield, with approximately 85% coverage;
PVC outer sheath;
Outer sheath color: purple (RAL4001).

技术参数

芯线标识：红色，绿色；
导体电阻：≤ 53.0Ω/km；
额定电压：300V；
特性阻抗：150±15Ω@3-20MHz；
测试电压：2000V；
温度范围：
固定安装：-20 至+ 80℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：
固定安装：7.5X 电缆直径；
移动安装：15X 电缆直径。

Technical parameters

Core identification: red, green;
Conductor resistance: ≤ 53.0Ω/km;
Rated voltage: 300V;
Characteristic impedance: 150±15Ω@3-20MHz;
Test voltage: 2000V;
Temperature range:
Fixed installation: -20℃ to +80℃ ;
Mobile installation: -5℃ to +70℃ .
Minimum bending radius:
Fixed installation: 7.5×cable diameter;
Mobile installation: 15×cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1x2x22AWG/19	8.0	25	72

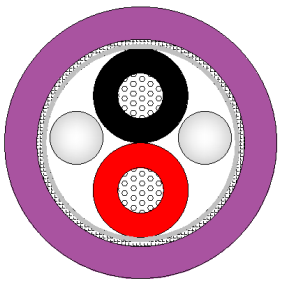
数据电缆 DATA CABLE

01

WIPSTRONIC BUS PROFIBUS-DP LSZH

低烟无卤工业 DP 总线

Low Smoke Zero Halogen (LSZH) Industrial DP Bus Cable



DP 总线

DP BUS CABLE

PROFIBUS-DP

PROFIBUS-DP-FD

PROFIBUS-DP-FD

CANBUS

CANBUS FD

应用范围

PROFIBUS-DP 总线电缆用于楼宇和自动化车间通信技术中的工业现场总线系统，适用于固定安装适用。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

PROFIBUS-DP bus cable is used in industrial fieldbus systems for communication technology in buildings and automated workshops, and is suitable for fixed installation. In case of fire, it protects personnel safety by reducing smoke density and minimizing corrosive gas emissions, making it ideal for locations with high population density and high property value.



产品特性

电缆具有低烟无卤特性；
具有抗电磁干扰能力；
阻燃性符合 IEC60332-1，VW-1,CM,CMG 等;
良好的剥离性。

Product characteristics

Possesses low smoke zero halogen (LSZH) properties;
Has anti-electromagnetic interference capability;
Flame retardancy conform to IEC60332-1, VW-1, CM, CMG, etc;
Good strippability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.



电缆结构

实心或多股裸铜导体；
发泡 PE 芯线绝缘；
LSZH 包覆层；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
LSZH 外护套；
外护套紫色（RAL4001）。

Cable structure

Solid or stranded bare copper conductor;
Foamed PE core insulation;
LSZH cladding layer;
Aluminum-plastic composite film lapping;
Tinned copper braided shield, with approximately 85% coverage;
LSZH outer sheath;
Outer sheath color: purple (RAL4001).

技术参数

芯线标识：红色，绿色；
导体电阻：≤ 55.0Ω/km；
额定电压：300V；
特性阻抗：150±15Ω@3-20MHz；
测试电压：2000V；
温度范围：-40 至+ 90℃；
最小弯曲半径：
固定安装：10X 电缆直径。

Technical parameters

Core identification: red, green;
Conductor resistance: ≤ 55.0Ω/km;
Rated voltage: 300V;
Characteristic impedance: 150±15Ω@3-20MHz;
Test voltage: 2000V;
Temperature range: -40℃ to +90℃ ;
Minimum bending radius:
Fixed installation: 10×cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1x2x22AWG/1	8.0	25	72
2	1x2x22AWG/7	8.0	25	72

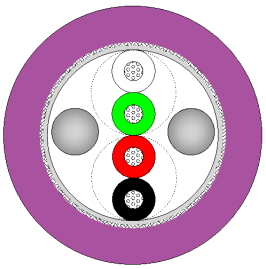
数据电缆 DATA CABLE

01

WIPSTRONIC BUS CANBUS

PVC 护套工业 CANBUS 总线

PVC-sheathed industrial CANBUS bus cable



DP 总线

DP BUS CABLE

- PROFIBUS-DP
- PROFIBUS-DP-FD
- PROFIBUS-DP-FD
- CANBUS
- CANBUS FD

应用范围

CANBUS 总线电缆可用于多种总线场合，是汽车电子系统的主流通信协议，实现各汽车电子部件的互联；在工业场景中，适用于设备间的短距离、高可靠性通信，主要应用在智能制造和工业机器人领域，还广泛应用在智能楼宇和安防系统。

Scope of application

CANBUS cable can be used in various bus scenarios. As the mainstream communication protocol for automotive electronic systems, it enables interconnection between various automotive electronic components. In industrial settings, it is suitable for short-distance, high-reliability communication between devices, mainly applied in the fields of intelligent manufacturing and industrial robots, and also widely used in smart buildings and security systems.



产品特性

具有抗电磁干扰能力；
阻燃性符合 IEC60332-1，VW-1,CM,CMG 等；
良好的剥离性。

Product characteristics

Has anti-electromagnetic interference capability;
Flame retardancy conform to IEC60332-1, VW-1, CM, CMG, etc;
Good strippability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

多股裸铜导体；
发泡 PE 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套紫色（RAL4001）。

Cable structure

Stranded bare copper conductor;
Foamed PE core insulation;
Aluminum-plastic composite film lapping;
Tinned copper braided shield,
with approximately 85% coverage;
PVC outer sheath;
Outer sheath color: purple (RAL4001).

技术参数

芯线标识：符合 DIN47100；
导体电阻：IEC60228 导体标准；
额定电压：300V；
特性阻抗：120±15Ω@3-20MHz；
测试电压：2000V；
温度范围：
固定安装：-20 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：10X 电缆直径；
移动安装：15X 电缆直径。

Technical parameters

Core identification: conform to DIN47100;
Conductor resistance: IEC60228 conductor standard;
Rated voltage: 300V;
Characteristic impedance: 120±15Ω@3-20MHz;
Test voltage: 2000V;
Temperature range:
Fixed installation: -20℃ to +80℃ ;
Mobile installation: -5℃ to +70℃ ;
Minimum bending radius:
Fixed installation: 10×cable diameter;
Mobile installation: 15×cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
WIPSTRONIC BUS CANBUS TP				
1	1x2x0.25mm² (24AWG)/7	5.8	14	45
2	2x2x0.25mm² (24AWG)/7	7.7	26	65
3	1x2x0.34mm² (22AWG)/7	6.9	22	58
4	2x2x0.34mm² (22AWG)/7	8.5	35	93
5	1x2x0.5mm² (21AWG)/7	7.6	28	68
6	2x2x0.5mm² (21AWG)/7	9.8	47	98
7	1x2x0.75mm² (19AWG)/7	8.8	53	110
8	2x2x0.75mm² (19AWG)/7	11.5	81	145
WIPSTRONIC BUS CANBUS				
1	4x0.22mm² (24AWG)/1	6.2	20	43
2	4x0.34mm² (22AWG)/1	7.2	28	62
3	4x0.5mm² (21AWG)/1	8.5	41	85
4	4x0.22mm² (24AWG)/7	6.4	21	46
5	4x0.34mm² (22AWG)/7	7.4	30	65
6	4x0.5mm² (21AWG)/7	8.8	44	90
7	4x0.75mm² (19AWG)/7	9.0	58	105

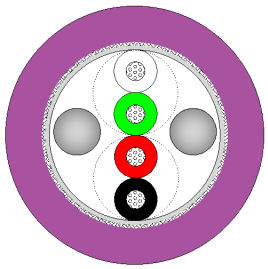
数据电缆 DATA CABLE

01

WIPSTRONIC BUS CANBUS FD

PVC 护套柔性工业 CANBUS 总线

PVC-Sheathed Flexible Industrial CANBUS Cable



DP 总线

DP BUS CABLE

- PROFIBUS-DP
- PROFIBUS-DP-FD
- PROFIBUS-DP-FD
- CANBUS
- CANBUS FD



应用范围

CANBUS 总线电缆可用于多种总线场合，是汽车电子系统的主流通信协议，实现各汽车电子部件的互联；在工业场景中，适用于设备间的短距离、高可靠性通信，主要应用在智能制造和工业机器人领域，还广泛应用在智能楼宇和安防系统。适用于拖链应用或需要频繁移动的场合。

Scope of application

CANBUS cable can be used in various bus scenarios. As the mainstream communication protocol for automotive electronic systems, it enables the interconnection of various automotive electronic components. In industrial scenarios, it is suitable for short-distance, high-reliability communication between devices, mainly applied in the fields of intelligent manufacturing and industrial robots, and also widely used in smart buildings and security systems. It is suitable for tow chain applications or occasions requiring frequent movement.

产品特性

具有抗电磁干扰能力；
阻燃性符合 IEC60332-1，VW-1,CM,CMG 等;
良好的剥离性；
具有良好的柔韧性。

Product characteristics

Has anti-electromagnetic interference capability;
Flame retardancy conform to IEC60332-1, VW-1, CM, CMG, etc;
Good strippability;
Excellent flexibility.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

多股裸铜导体；
发泡 PE 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套紫色（RAL4001）。

Cable structure

Stranded bare copper conductor;
Foamed PE core insulation;
Aluminum-plastic composite film lapping;
Tinned copper braided shield, with approximately 85% coverage;
PVC outer sheath;
Outer sheath color: purple (RAL4001).



技术参数

芯线标识：符合 DIN47100；
导体电阻：IEC60228 导体标准；
额定电压：300V；
特性阻抗：120±15Ω@3-20MHz；
测试电压：2000V；
温度范围：
固定安装：-20 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：7.5X 电缆直径；
移动安装：15X 电缆直径。

Technical parameters

Core identification: conform to DIN47100;
Conductor resistance: IEC60228 conductor standard;
Rated voltage: 300V;
Characteristic impedance: 120±15Ω@3-20MHz;
Test voltage: 2000V;
Temperature range:
Fixed installation: -20℃ to +80℃ ;
Mobile installation: -5℃ to +70℃ .
Minimum bending radius:
Fixed installation: 7.5×cable diameter;
Mobile installation: 15×cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
WIPSTRONIC BUS CANBUS TP-FD				
1	1x2x0.25mm² (24AWG)/19	5.8	14	45
2	2x2x0.25mm² (24AWG)/19	7.7	26	65
3	1x2x0.34mm² (22AWG)/19	6.9	22	58
4	2x2x0.34mm² (22AWG)/19	8.5	35	93
5	1x2x0.5mm² (21AWG)/19	7.6	28	68
6	2x2x0.5mm² (21AWG)/19	9.8	47	98
7	1x2x0.75mm² (19AWG)/19	8.8	53	110
8	2x2x0.75mm² (19AWG)/19	11.5	81	145
WIPSTRONIC BUS CANBUS FD				
1	4x0.22mm² (24AWG)/19	6.4	21	46
2	4x0.34mm² (22AWG)/19	7.4	30	65
3	4x0.5mm² (21AWG)/19	8.8	44	90
4	4x0.75mm² (19AWG)/19	9.0	58	105

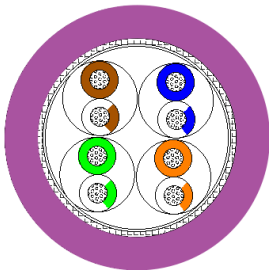
数据电缆 DATA CABLE

01

WIPSTRONIC CAT5e

PVC 护套超 5 类工业以太网电缆

PVC-Sheathed Cat5e Industrial Ethernet Cable



工业以太网线

INDUSTRIAL ETHERNET CABLE

- CAT5e
- CAT5e LSHF
- CAT6
- CAT6 LSHF
- CAT6A
- CAT6A LSHF



应用范围

应用于云计算中心、大型数据机房、办公室、住宅区、厂房等建筑的综合布线系统。屏蔽电缆能有效应对复杂的工业环境电磁干扰。用于固定安装和偶尔移动的场合。

Scope of application

It is applied in the structured cabling systems of buildings such as cloud computing centers, large data centers, offices, residential areas, and factory buildings. Shielded cables can effectively resist electromagnetic interference in complex industrial environments. Suitable for fixed installation and occasional movement scenarios.

产品特性

屏蔽电缆具有抗电磁干扰能力；
阻燃性符合 CMX,CM,CMG 等；
优异的信号传输能力；
多股导体具有一定的柔韧性。

Product characteristics

Shielded cables have anti-electromagnetic interference capability;
Flame retardancy conform to CMX, CM, CMG, etc;
Excellent signal transmission capability;
Stranded conductors have a certain degree of flexibility.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

多股裸铜导体；
发泡 PE 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套紫色（RAL4001）。

Cable structure

Stranded bare copper conductor;
Foamed PE core insulation;
Aluminum-plastic composite film lapping;
Tinned copper braided shield,
with approximately 85% coverage;
PVC outer sheath;
Outer sheath color: purple (RAL4001).

技术参数

芯线标识：符合 DIN47100；
导体电阻：IEC60228 导体标准；
额定电压：300V；
特性阻抗：120±15Ω@3-20MHz；
测试电压：2000V；
温度范围：
　　固定安装：-20 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：7.5X 电缆直径；
　　移动安装：15X 电缆直径。

Technical parameters

Core identification: conform to DIN47100;
Conductor resistance: IEC60228 conductor standard;
Rated voltage: 300V;
Characteristic impedance: 120±15Ω@3-20MHz;
Test voltage: 2000V;
Temperature range:
　　Fixed installation: -20℃ to +80℃ ;
　　Mobile installation: -5℃ to +70℃ .
Minimum bending radius:
　　Fixed installation: 7.5×cable diameter;
　　Mobile installation: 15×cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
WIPSTRONIC CAT5e				
1	U/UTP 4x2x24AWG/1	5.0	15	30
2	F/UTP 4x2x24AWG/1	6.2	16	40
3	SF/UTP 4x2x24AWG/1	6.6	33	61
WIPSTRONIC CAT5e FLEX				
1	U/UTP 4x2x26AWG/7	4.7	11	28
2	F/UTP 4x2x26AWG/7	5.3	12	36
3	SF/UTP 4x2x26AWG/7	5.7	25	48

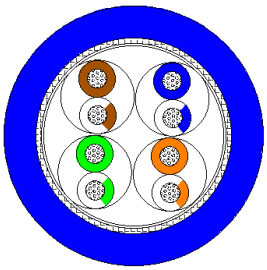
数据电缆 DATA CABLE

01

WIPSTRONIC CAT5e LSHF

低烟无卤护套超五类网线

Low Smoke Halogen Free (LSHF) sheathed Cat5e cable



工业以太网线

INDUSTRIAL ETHERNET CABLE

- CAT5e
- CAT5e LSHF
- CAT6
- CAT6 LSHF
- CAT6A
- CAT6A LSHF



应用范围

应用于云计算中心、大型数据机房、办公室、住宅区、厂房等建筑的综合布线系统。屏蔽电缆能有效应对复杂的工业环境电磁干扰。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

It is used in the structured cabling systems of buildings such as cloud computing centers, large data centers, offices, residential areas, and factory buildings. Shielded cables can effectively cope with electromagnetic interference in complex industrial environments. In case of fire, it protects personnel safety by reducing smoke density and minimizing corrosive gas emissions, making it suitable for locations with high population density and high property value.

产品特性

电缆具有低烟无卤特性；
屏蔽电缆具有抗电磁干扰能力；
阻燃性符合 CMX,CM,CMG 等；
优异的信号传输能力。

Product characteristics

The cable has low smoke halogen-free (LSHF) properties;
Shielded cables have anti-electromagnetic interference capability;
Flame retardancy conform to CMX, CM, CMG, etc;
Excellent signal transmission capability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

实心裸铜导体；
HDPE 芯线绝缘；
U/UTP: 无屏蔽；
F/UTP: 铝箔总屏蔽；
SF/UTP: 铝箔 + 铜丝编织双层屏蔽；
低烟无卤外护套；
外护套灰色，绿色，蓝色可选。

Cable structure

Solid bare copper conductor;
HDPE (High-Density Polyethylene) core insulation;
U/UTP: Unshielded;
F/UTP: Foil overall shield;
SF/UTP: Double shield (foil + copper braid);
Low smoke halogen-free (LSHF) outer sheath;
Outer sheath color options: gray, green, blue.

技术参数

芯线标识：
橙 & 白 / 橙，绿 & 白 / 绿，棕 & 白 / 棕，
蓝 & 白 / 蓝；
特性阻抗：100 ± 15 Ω；
测试电压：1000V；
温度范围：
固定安装：-40 至+ 90℃；
最小弯曲半径：
固定安装：8X 电缆直径。

Technical parameters

Core identification:
Orange&White/Orange, Green&White/Green,
Brown&White/Brown, Blue&White/Blue;
Characteristic impedance: 100 ± 15 Ω;
Test voltage: 1000V;
Temperature range:
Fixed installation: -40℃ to +90℃ ;
Minimum bending radius:
Fixed installation: 8 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	U/UTP 4x2x24AWG/1	5.0	15	30
2	F/UTP 4x2x24AWG/1	6.2	16	40
3	SF/UTP 4x2x24AWG/1	6.6	33	61

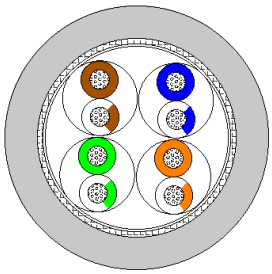
数据电缆 DATA CABLE

01

WIPSTRONIC CAT6

PVC 护套六类网线

PVC-sheathed Cat6 cable



工业以太网线
INDUSTRIAL ETHERNET CABLE

- CAT5e
- CAT5e LSHF
- CAT6
- CAT6 LSHF
- CAT6A
- CAT6A LSHF



应用范围

应用于云计算中心、大型数据机房、办公室、住宅区、厂房等建筑的综合布线系统。屏蔽电缆能有效应对复杂的工业环境电磁干扰。用于固定安装和偶尔移动的场合。

Scope of application

It is applied in the structured cabling systems of buildings including cloud computing centers, large-scale data centers, offices, residential areas, and factory buildings. Shielded cables can effectively resist electromagnetic interference in complex industrial environments. Suitable for fixed installation and occasional movement scenarios.

产品特性

屏蔽电缆具有抗电磁干扰能力；
阻燃性符合 CMX,CM,CMG 等；
优异的信号传输能力；
多股导体具有一定的柔韧性。

Product characteristics

Shielded cables possess anti-electromagnetic interference capability;
Flame retardancy conform to standards such as CMX, CM, and CMG;
Excellent signal transmission performance;
Stranded conductors offer a certain degree of flexibility.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

实心或多股裸铜导体；
HDPE 芯线绝缘；
U/UTP: 无屏蔽；
F/UTP: 铝箔总屏蔽；
SF/UTP: 铝箔 + 铜丝编织双层屏蔽；
PVC 外护套；
外护套灰色，绿色，蓝色可选。

Cable structure

Solid or stranded bare copper conductor;
HDPE (High-Density Polyethylene) core insulation
U/UTP: Unshielded;
F/UTP: Foil overall shield;
SF/UTP: Double shield (foil + copper braid);
PVC outer sheath;
Outer sheath color options: gray, green, blue.



技术参数

芯线标识：
橙 & 白 / 橙，绿 & 白 / 绿，棕 & 白 / 棕，
蓝 & 白 / 蓝；
特性阻抗：100 ± 15 Ω；
测试电压：1000V；
温度范围：
固定安装：−20 至+ 80℃；
偶尔移动：−5 至+ 70℃。
最小弯曲半径：
固定安装：8X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
Orange&White/Orange, Green&White/Green,
Brown&White/Brown, Blue&White/Blue;
Characteristic impedance: 100 ± 15 Ω;
Test voltage: 1000V;
Temperature range:
Fixed installation: −20℃ to +80℃ ;
Occasional movement: −5℃ to +70℃ ;
Minimum bending radius:
Fixed installation: 8 × cable diameter;
Occasional movement: 15 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
WIPSTRONIC CAT6				
1	U/UTP 4x2x23AWG/1	6.3	19	44
2	F/UTP 4x2x23AWG/1	7.4	20	51
3	SF/UTP 4x2x23AWG/1	7.8	41	77
WIPSTRONIC CAT6 FLEX				
1	U/UTP 4x2x26AWG/7	5.4	11	33
2	F/UTP 4x2x26AWG/7	6.1	12	41
3	SF/UTP 4x2x26AWG/7	6.5	28	57
4	U/UTP 4x2x24AWG/7	6.1	17	43
5	F/UTP 4x2x24AWG/7	6.6	18	51
6	SF/UTP 4x2x24AWG/7	7.0	35	67

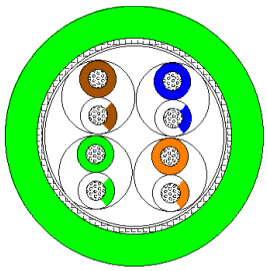
数据电缆 DATA CABLE

01

WIPSTRONIC CAT6 LSHF

低烟无卤护套六类网线

Low Smoke Halogen Free (LSHF) sheathed Cat6 cable



工业以太网线

INDUSTRIAL ETHERNET CABLE

- CAT5e
- CAT5e LSHF
- CAT6
- CAT6 LSHF
- CAT6A
- CAT6A LSHF



应用范围

应用于云计算中心、大型数据机房、办公室、住宅区、厂房等建筑的综合布线系统。屏蔽电缆能有效应对复杂的工业环境电磁干扰。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

It is applied in the structured cabling systems of buildings such as cloud computing centers, large data centers, offices, residential areas, and factory buildings. Shielded cables can effectively cope with electromagnetic interference in complex industrial environments. In case of fire, it protects personnel safety by reducing smoke density and minimizing the emission of corrosive gases, making it suitable for locations with high population density and high property value.

产品特性

电缆具有低烟无卤特性；
屏蔽电缆具有抗电磁干扰能力；
阻燃性符合 CMX,CM,CMG 等；
优异的信号传输能力。

Product characteristics

The cable has low smoke halogen-free (LSHF) properties;
Shielded cables possess anti-electromagnetic interference capability;
Flame retardancy conform to CMX, CM, CMG, etc;
Excellent signal transmission capability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

Refer to UL444 standard;
RoHS, REACH.

电缆结构

实心裸铜导体；
HDPE 芯线绝缘；
U/UTP: 无屏蔽；
F/UTP: 铝箔总屏蔽；
SF/UTP: 铝箔 + 铜丝编织双层屏蔽；
低烟无卤外护套；
外护套灰色，绿色，蓝色可选。

Cable structure

Solid bare copper conductor;
HDPE (High-Density Polyethylene) core insulation;
U/UTP: Unshielded;
F/UTP: Foil overall shield;
SF/UTP: Double shield (foil + copper braid);
Low smoke halogen-free (LSHF) outer sheath;
Outer sheath color options: gray, green, blue.

技术参数

芯线标识：
橙 & 白 / 橙，绿 & 白 / 绿，棕 & 白 / 棕，蓝 & 白 / 蓝；
特性阻抗：100 ± 15 Ω；
测试电压：1000V；
温度范围：
固定安装：-40 至+ 90℃；
最小弯曲半径：
固定安装：8X 电缆直径。

Technical parameters

Core identification:
Orange&White/Orange, Green&White/Green,
Brown&White/Brown, Blue&White/Blue;
Characteristic impedance: 100 ± 15 Ω;
Test voltage: 1000V;
Temperature range:
Fixed installation: -40℃ to +90℃ ;
Minimum bending radius:
Fixed installation: 8 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	U/UTP 4x2x23AWG/1	6.3	19	44
2	F/UTP 4x2x23AWG/1	7.4	20	51
3	SF/UTP 4x2x23AWG/1	7.8	41	77

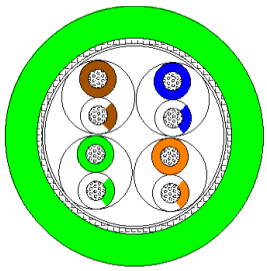
数据电缆 DATA CABLE

01

WIPSTRONIC CAT6A

PVC 护套超六类网线

PVC-sheathed Cat6A cable



工业以太网线

INDUSTRIAL ETHERNET CABLE

- CAT5e
- CAT5e LSHF
- CAT6
- CAT6 LSHF
- CAT6A
- CAT6A LSHF



应用范围

应用于云计算中心、大型数据机房、办公室、住宅区、厂房等建筑的综合布线系统。屏蔽电缆能有效应对复杂的工业环境电磁干扰。用于固定安装和偶尔移动的场合。

Scope of application

It is applied in the structured cabling systems of buildings such as cloud computing centers, large data centers, offices, residential areas, and factory buildings. Shielded cables can effectively resist electromagnetic interference in complex industrial environments. Suitable for fixed installation and occasional movement scenarios.

产品特性

屏蔽电缆具有抗电磁干扰能力；
阻燃性符合 CMX,CM,CMG 等；
优异的信号传输能力；
多股导体具有一定的柔韧性。

Product characteristics

Shielded cables have anti-electromagnetic interference capability;
Flame retardancy conform to standards including CMX, CM, and CMG;
Excellent signal transmission capability;
Stranded conductors offer a certain degree of flexibility.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

conform to UL444 and cUL certifications;
RoHS, REACH.

电缆结构

实心或多股裸铜导体；
HDPE 芯线绝缘；
U/FTP: 线对铝箔屏蔽，无总屏蔽；
F/FTP: 线对铝箔屏蔽，铝箔总屏蔽；
SF/FTP: 线对铝箔屏蔽，
铝箔 + 铜丝编织总屏蔽。
PVC 外护套；
外护套灰色，绿色，蓝色可选。

Cable structure

Solid or stranded bare copper conductor;
HDPE (High-Density Polyethylene) core insulation;
U/FTP: Pair-wise foil shielding, no overall shield;
F/FTP: Pair-wise foil shielding with overall foil shield;
SF/FTP:
Pair-wise foil shielding with overall shield (foil + copper braid);
PVC outer sheath;
Outer sheath color options: gray, green, blue.

技术参数

芯线标识：
橙 & 白 / 橙，绿 & 白 / 绿，棕 & 白 / 棕，
蓝 & 白 / 蓝；
特性阻抗：100 ± 15 Ω；
测试电压：1000V；
温度范围：
固定安装：-20 至+ 80℃；
偶尔移动：-5 至+ 70℃。
最小弯曲半径：
固定安装：8X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
Orange&White/Orange, Green&White/Green,
Brown&White/Brown, Blue&White/Blue;
Characteristic impedance: 100 ± 15 Ω;
Test voltage: 1000V;
Temperature range:
Fixed installation: -20℃ to +80℃ ;
Occasional movement: -5℃ to +70℃ ;
Minimum bending radius:
Fixed installation: 8 × cable diameter;
Occasional movement: 15 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
WIPSTRONIC CAT6A				
1	U/FTP 4x2x23AWG/1	7.1	18	50
2	F/FTP 4x2x23AWG/1	7.5	20	55
3	SF/FTP 4x2x23AWG/1	7.6	41	72
WIPSTRONIC CAT6A FLEX				
1	U/FTP 4x2x26AWG/7	5.9	12	37
2	F/FTP 4x2x26AWG/7	6.1	12	39
3	SF/FTP 4x2x26AWG/7	6.3	29	55

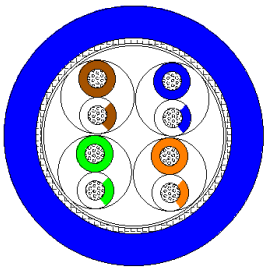
数据电缆 DATA CABLE

01

WIPSTRONIC CAT6A LSHF

低烟无卤护套超六类网线

Low Smoke Halogen Free (LSHF) sheathed Cat6A cable



工业以太网线

INDUSTRIAL ETHERNET CABLE

- CAT5e
- CAT5e LSHF
- CAT6
- CAT6 LSHF
- CAT6A
- CAT6A LSHF



应用范围

应用于云计算中心、大型数据机房、办公室、住宅区、厂房等建筑的综合布线系统。屏蔽电缆能有效应对复杂的工业环境电磁干扰。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

It is applied in the structured cabling systems of buildings such as cloud computing centers, large data centers, offices, residential areas, and factory buildings. Shielded cables can effectively resist electromagnetic interference in complex industrial environments. In case of fire, it protects personnel safety by reducing smoke density and minimizing the emission of corrosive gases, making it suitable for locations with high population density and high property value.

产品特性

电缆具有低烟无卤特性；
屏蔽电缆具有抗电磁干扰能力；
阻燃性符合 CMX,CM,CMG 等；
优异的信号传输能力。

Product characteristics

The cable has low smoke halogen-free (LSHF) properties;
Shielded cables possess anti-electromagnetic interference capability;
Flame retardancy conform to IEC60332-1;
Excellent signal transmission capability.

技术认证

参照 UL444 标准；
RoHS，REACH。

Technical certification

conform to CE certification;
RoHS, REACH.

电缆结构

实心裸铜导体；
HDPE 芯线绝缘；
U/FTP: 线对铝箔屏蔽，无总屏蔽；
F/FTP: 线对铝箔屏蔽，铝箔总屏蔽；
SF/FTP: 线对铝箔屏蔽，铝箔 + 铜丝编织总屏蔽；
低烟无卤外护套；
外护套灰色，绿色，蓝色可选。

Cable structure

Solid bare copper conductor;
HDPE (High-Density Polyethylene) core insulation;
U/FTP: Pair-wise foil shielding, no overall shield;
F/FTP: Pair-wise foil shielding with overall foil shield;
SF/FTP:
Pair-wise foil shielding with overall shield (foil + copper braid);
Low smoke halogen-free (LSHF) outer sheath;
Outer sheath color options: gray, green, blue.

技术参数

芯线标识：
橙 & 白 / 橙，绿 & 白 / 绿，棕 & 白 / 棕，
蓝 & 白 / 蓝；
特性阻抗：100 ± 15 Ω；
测试电压：1000V；
温度范围：
固定安装：-40 至+ 90℃；
最小弯曲半径：
固定安装：8X 电缆直径。

Technical parameters

Core identification:
Orange&White/Orange, Green&White/Green,
Brown&White/Brown, Blue&White/Blue;
Characteristic impedance: 100 ± 15 Ω;
Test voltage: 1000V;
Temperature range:
Fixed installation: -40℃ to +90℃ ;
Minimum bending radius:
Fixed installation: 8 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	U/FTP 4x2x23AWG/1	7.1	18	50
2	F/FTP 4x2x23AWG/1	7.5	20	55
3	SF/FTP 4x2x23AWG/1	7.6	41	72

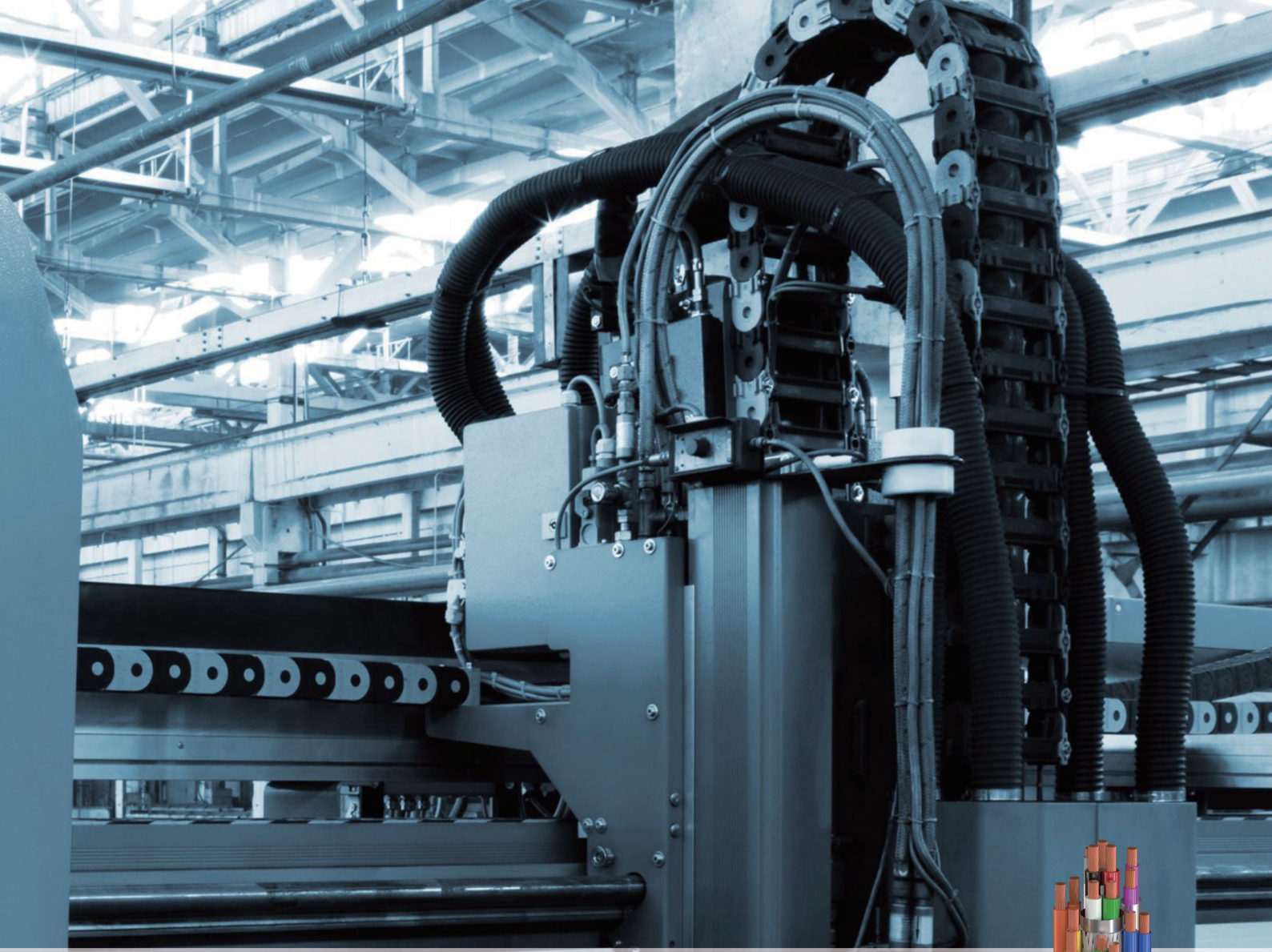


WIPOUS®
维普斯

控制电缆
CONTROL CABLE

应用领域APPLICATION FIELD:

- 机械和设备制造业 Machinery and equipment manufacturing industry
- 自动化生产流水线 Automated production line
- 暖气及空调安装系统 Heating and air conditioning installation system
- 输送和传输系统等 Conveying and transmission systems, etc



特点CHARACTERISTIC:

柔性
易弯曲
Flexible

双屏蔽+镀锡铜
丝编织工艺，抗
干扰效果好
Double shield+tinned copper braided shield process, with good anti-interference effect

低烟
无卤
阻燃符合UL
IEC标准
EN标准
Low smoke, halogen-free, flame retardant in accordance with UL, IEC, and EN standards

环保符合
RoHS
REACH
Environmental compliance with RoHS and REACH

高耐油可选
High oil resistance optional

电缆外径小
节约布线安装
空间
Small cable outer diameter, saving wiring and installation space



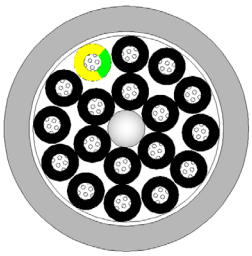
控制电缆 CONTROL CABLE

02

FNFLEX-KY-PVC

CE 认证 经济型 PVC 护套柔性控制电缆

CE certified economical PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC ➤
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core layer stranding;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance:
conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range: fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.

Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	41
2	3G0.5mm²	5.6	13.6	49
3	4G0.5mm²	6.0	18.1	59
4	5G0.5mm²	6.6	22.7	70
5	6G0.5mm²	7.3	27.2	86
6	7G0.5mm²	7.3	31.8	90
7	8G0.5mm²	7.8	36.3	100
8	10G0.5mm²	9.3	45.4	131
9	12G0.5mm²	9.6	54.4	148
10	14G0.5mm²	10.3	63.5	171
11	16G0.5mm²	10.8	72.6	191
12	18G0.5mm²	11.5	81.6	217
13	19G0.5mm²	11.5	86.2	223
14	20G0.5mm²	12.0	90.7	237
15	24G0.5mm²	13.5	108.9	287
16	25G0.5mm²	13.5	113.4	294
17	26G0.5mm²	13.5	117.9	301
18	28G0.5mm²	14.0	127.0	325
19	30G0.5mm²	14.4	136.1	346
20	32G0.5mm²	15.2	145.1	375
21	36G0.5mm²	15.7	163.3	410
22	37G0.5mm²	15.7	167.8	417
23	40G0.5mm²	17.0	181.4	465
24	42G0.5mm²	17.9	190.5	500
25	2X0.75mm²	5.7	13.8	50
26	3G0.75mm²	6.0	20.7	61
27	4G0.75mm²	6.5	27.6	74
28	5G0.75mm²	7.3	34.6	93
29	6G0.75mm²	7.9	41.5	109
30	7G0.75mm²	7.9	48.4	115
31	8G0.75mm²	8.7	55.3	132
32	10G0.75mm²	10.3	69.1	172
33	12G0.75mm²	10.6	82.9	194
34	14G0.75mm²	11.1	96.8	219
35	16G0.75mm²	11.9	110.6	251
36	18G0.75mm²	12.7	124.4	284
37	19G0.75mm²	12.7	131.3	293
38	20G0.75mm²	13.3	138.2	311
39	24G0.75mm²	15.1	165.9	385
40	25G0.75mm²	15.1	172.8	394
41	26G0.75mm²	15.1	179.7	403
42	28G0.75mm²	15.4	193.5	427
43	30G0.75mm²	15.9	207.4	454
44	32G0.75mm²	16.7	221.2	491
45	36G0.75mm²	17.5	248.8	548
46	37G0.75mm²	17.5	255.7	558
47	40G0.75mm²	18.9	276.5	619
48	42G0.75mm²	19.9	290.3	663
49	2X1.0mm²	6.2	18.4	61
50	3G1.0mm²	6.6	27.6	75
51	4G1.0mm²	7.1	36.9	92
52	5G1.0mm²	8.0	46.1	114
53	6G1.0mm²	8.9	55.3	140
54	7G1.0mm²	8.9	64.5	147
55	8G1.0mm²	9.5	73.7	162
56	10G1.0mm²	11.5	92.2	218
57	12G1.0mm²	11.8	110.6	247
58	14G1.0mm²	12.4	129.0	279
59	16G1.0mm²	13.3	147.5	319
60	18G1.0mm²	14.2	165.9	361
61	19G1.0mm²	14.2	175.1	373
62	20G1.0mm²	14.8	184.3	395
63	24G1.0mm²	16.8	221.2	487
64	26G1.0mm²	16.8	239.6	511

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	542
66	30G1.0mm²	17.9	276.5	586
67	32G1.0mm²	18.6	294.9	623
68	36G1.0mm²	19.5	331.8	695
69	37G1.0mm²	19.5	341.0	707
70	40G1.0mm²	21.0	368.6	783
71	42G1.0mm²	22.1	387.1	838
72	2X1.5mm²	7.0	27.6	82
73	3G1.5mm²	7.4	41.5	100
74	4G1.5mm²	8.3	55.3	128
75	5G1.5mm²	9.3	69.1	160
76	6G1.5mm²	10.3	82.9	195
77	7G1.5mm²	10.3	96.8	206
78	8G1.5mm²	11.1	110.6	226
79	10G1.5mm²	13.3	138.2	299
80	12G1.5mm²	13.9	165.9	348
81	14G1.5mm²	14.6	193.5	394
82	16G1.5mm²	15.6	221.2	449
83	18G1.5mm²	16.6	248.8	506
84	19G1.5mm²	16.6	262.6	524
85	20G1.5mm²	17.6	276.5	564
86	24G1.5mm²	19.6	331.8	678
87	26G1.5mm²	19.6	359.4	715
88	28G1.5mm²	20.0	387.1	759
89	30G1.5mm²	20.9	414.7	819
90	32G1.5mm²	21.9	442.4	882
91	37G1.5mm²	22.7	511.5	989
92	2X2.5mm²	8.5	46.1	125
93	3G2.5mm²	9.2	69.1	159
94	4G2.5mm²	10.3	92.2	203
95	5G2.5mm²	11.2	115.2	246
96	6G2.5mm²	12.4	138.2	299
97	7G2.5mm²	12.4	161.3	318
98	8G2.5mm²	13.6	184.3	354
99	10G2.5mm²	16.5	230.4	470
100	12G2.5mm²	17.0	276.5	538
101	14G2.5mm²	18.1	322.5	620
102	16G2.5mm²	19.2	368.6	705
103	18G2.5mm²	20.2	414.7	782
104	19G2.5mm²	20.2	437.7	812
105	20G2.5mm²	21.4	460.8	870
106	24G2.5mm²	24.3	552.9	1070
107	25G2.5mm²	24.3	576.0	1100
108	30G2.5mm²	25.9	691.2	1293
109	32G2.5mm²	27.0	737.3	1387
110	37G2.5mm²	28.2	852.5	1576
111	2X4.0mm²	10.1	73.8	184
112	3G4.0mm²	10.9	110.7	235
113	4G4.0mm²	12.2	147.6	300
114	5G4.0mm²	13.5	184.5	372
115	6G4.0mm²	14.9	221.4	450
116	7G4.0mm²	14.9	258.3	481
117	8G4.0mm²	16.3	295.2	532
118	10G4.0mm²	19.7	369.0	699
119	12G4.0mm²	20.3	442.8	803
120	16G4.0mm²	22.9	590.4	1052
121	2X6.0mm²	12.1	109.8	267
122	3G6.0mm²	13.1	164.7	342
123	4G6.0mm²	14.5	219.6	434
124	5G6.0mm²	16.1	274.5	537
125	6G6.0mm²	17.7	329.4	649
126	7G6.0mm²	17.7	384.3	695
127	8G6.0mm²	19.6	439.2	776
128	10G6.0mm²	23.7	549.0	1024
129	12G6.0mm²	24.4	658.8	1177

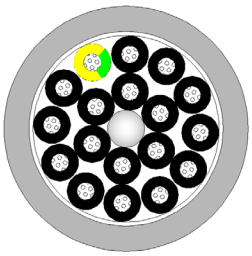
控制电缆 CONTROL CABLE

02

FNFLEX-KYO-PVC

CE 认证 经济型耐油型 PVC 护套柔性控制电缆

CE certified economical oil resistant PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC ➤
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance meets EN50290-2-22 (TM54) standard;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类
PVC 芯线绝缘；
芯线层绞；
特制耐油 PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire,IEC60228 standard, Class 5;
PVC core wire insulation;
Core layer stranding;
Special oil resistant PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	41
2	3G0.5mm²	5.6	13.6	49
3	4G0.5mm²	6.0	18.1	59
4	5G0.5mm²	6.6	22.7	70
5	6G0.5mm²	7.3	27.2	86
6	7G0.5mm²	7.3	31.8	90
7	8G0.5mm²	7.8	36.3	100
8	10G0.5mm²	9.3	45.4	131
9	12G0.5mm²	9.6	54.4	148
10	14G0.5mm²	10.3	63.5	171
11	16G0.5mm²	10.8	72.6	191
12	18G0.5mm²	11.5	81.6	217
13	19G0.5mm²	11.5	86.2	223
14	20G0.5mm²	12.0	90.7	237
15	24G0.5mm²	13.5	108.9	287
16	25G0.5mm²	13.5	113.4	294
17	26G0.5mm²	13.5	117.9	301
18	28G0.5mm²	14.0	127.0	325
19	30G0.5mm²	14.4	136.1	346
20	32G0.5mm²	15.2	145.1	375
21	36G0.5mm²	15.7	163.3	410
22	37G0.5mm²	15.7	167.8	417
23	40G0.5mm²	17.0	181.4	465
24	42G0.5mm²	17.9	190.5	500
25	2X0.75mm²	5.7	13.8	50
26	3G0.75mm²	6.0	20.7	61
27	4G0.75mm²	6.5	27.6	74
28	5G0.75mm²	7.3	34.6	93
29	6G0.75mm²	7.9	41.5	109
30	7G0.75mm²	7.9	48.4	115
31	8G0.75mm²	8.7	55.3	132
32	10G0.75mm²	10.3	69.1	172
33	12G0.75mm²	10.6	82.9	194
34	14G0.75mm²	11.1	96.8	219
35	16G0.75mm²	11.9	110.6	251
36	18G0.75mm²	12.7	124.4	284
37	19G0.75mm²	12.7	131.3	293
38	20G0.75mm²	13.3	138.2	311
39	24G0.75mm²	15.1	165.9	385
40	25G0.75mm²	15.1	172.8	394
41	26G0.75mm²	15.1	179.7	403
42	28G0.75mm²	15.4	193.5	427
43	30G0.75mm²	15.9	207.4	454
44	32G0.75mm²	16.7	221.2	491
45	36G0.75mm²	17.5	248.8	548
46	37G0.75mm²	17.5	255.7	558
47	40G0.75mm²	18.9	276.5	619
48	42G0.75mm²	19.9	290.3	663
49	2X1.0mm²	6.2	18.4	61
50	3G1.0mm²	6.6	27.6	75
51	4G1.0mm²	7.1	36.9	92
52	5G1.0mm²	8.0	46.1	114
53	6G1.0mm²	8.9	55.3	140
54	7G1.0mm²	8.9	64.5	147
55	8G1.0mm²	9.5	73.7	162
56	10G1.0mm²	11.5	92.2	218
57	12G1.0mm²	11.8	110.6	247
58	14G1.0mm²	12.4	129.0	279
59	16G1.0mm²	13.3	147.5	319
60	18G1.0mm²	14.2	165.9	361
61	19G1.0mm²	14.2	175.1	373
62	20G1.0mm²	14.8	184.3	395
63	24G1.0mm²	16.8	221.2	487
64	26G1.0mm²	16.8	239.6	511

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	542
66	30G1.0mm²	17.9	276.5	586
67	32G1.0mm²	18.6	294.9	623
68	36G1.0mm²	19.5	331.8	695
69	37G1.0mm²	19.5	341.0	707
70	40G1.0mm²	21.0	368.6	783
71	42G1.0mm²	22.1	387.1	838
72	2X1.5mm²	7.0	27.6	82
73	3G1.5mm²	7.4	41.5	100
74	4G1.5mm²	8.3	55.3	128
75	5G1.5mm²	9.3	69.1	160
76	6G1.5mm²	10.3	82.9	195
77	7G1.5mm²	10.3	96.8	206
78	8G1.5mm²	11.1	110.6	226
79	10G1.5mm²	13.3	138.2	299
80	12G1.5mm²	13.9	165.9	348
81	14G1.5mm²	14.6	193.5	394
82	16G1.5mm²	15.6	221.2	449
83	18G1.5mm²	16.6	248.8	506
84	19G1.5mm²	16.6	262.6	524
85	20G1.5mm²	17.6	276.5	564
86	24G1.5mm²	19.6	331.8	678
87	26G1.5mm²	19.6	359.4	715
88	28G1.5mm²	20.0	387.1	759
89	30G1.5mm²	20.9	414.7	819
90	32G1.5mm²	21.9	442.4	882
91	37G1.5mm²	22.7	511.5	989
92	2X2.5mm²	8.5	46.1	125
93	3G2.5mm²	9.2	69.1	159
94	4G2.5mm²	10.3	92.2	203
95	5G2.5mm²	11.2	115.2	246
96	6G2.5mm²	12.4	138.2	299
97	7G2.5mm²	12.4	161.3	318
98	8G2.5mm²	13.6	184.3	354
99	10G2.5mm²	16.5	230.4	470
100	12G2.5mm²	17.0	276.5	538
101	14G2.5mm²	18.1	322.5	620
102	16G2.5mm²	19.2	368.6	705
103	18G2.5mm²	20.2	414.7	782
104	19G2.5mm²	20.2	437.7	812
105	20G2.5mm²	21.4	460.8	870
106	24G2.5mm²	24.3	552.9	1070
107	25G2.5mm²	24.3	576.0	1100
108	30G2.5mm²	25.9	691.2	1293
109	32G2.5mm²	27.0	737.3	1387
110	37G2.5mm²	28.2	852.5	1576
111	2X4.0mm²	10.1	73.8	184
112	3G4.0mm²	10.9	110.7	235
113	4G4.0mm²	12.2	147.6	300
114	5G4.0mm²	13.5	184.5	372
115	6G4.0mm²	14.9	221.4	450
116	7G4.0mm²	14.9	258.3	481
117	8G4.0mm²	16.3	295.2	532
118	10G4.0mm²	19.7	369.0	699
119	12G4.0mm²	20.3	442.8	803
120	16G4.0mm²	22.9	590.4	1052
121	2X6.0mm²	12.1	109.8	267
122	3G6.0mm²	13.1	164.7	342
123	4G6.0mm²	14.5	219.6	434
124	5G6.0mm²	16.1	274.5	537
125	6G6.0mm²	17.7	329.4	649
126	7G6.0mm²	17.7	384.3	695
127	8G6.0mm²	19.6	439.2	776
128	10G6.0mm²	23.7	549.0	1024
129	12G6.0mm²	24.4	658.8	1177

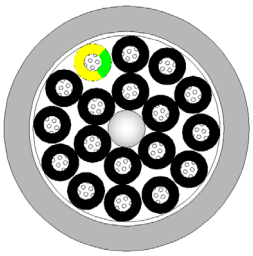
控制电缆 CONTROL CABLE

02

FNFLEX-KY2-PVC

CE 认证 经济型耐热型 PVC 护套柔性控制电缆

CE certified economical heat-resistant PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC ▶
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
优异的耐热老化性能；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Excellent heat aging resistance;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类
特制耐热 PVC 芯线绝缘；
芯线层绞；
特制耐热 PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special heat-resistant PVC core wire insulation;
Core layer stranding;
Special heat-resistant PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 100℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+105 ℃ ;
Moved installation: - 15 to+100 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	41
2	3G0.5mm²	5.6	13.6	49
3	4G0.5mm²	6.0	18.1	59
4	5G0.5mm²	6.6	22.7	70
5	6G0.5mm²	7.3	27.2	86
6	7G0.5mm²	7.3	31.8	90
7	8G0.5mm²	7.8	36.3	100
8	10G0.5mm²	9.3	45.4	131
9	12G0.5mm²	9.6	54.4	148
10	14G0.5mm²	10.3	63.5	171
11	16G0.5mm²	10.8	72.6	191
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15	24G0.5mm²	13.5	108.9	287
16	25G0.5mm²	13.5	113.4	294
17	26G0.5mm²	13.5	117.9	301
18	28G0.5mm²	14.0	127.0	325
19	30G0.5mm²	14.4	136.1	346
20	32G0.5mm²	15.2	145.1	375
21	36G0.5mm²	15.7	163.3	410
22	37G0.5mm²	15.7	167.8	417
23	40G0.5mm²	17.0	181.4	465
24	42G0.5mm²	17.9	190.5	500
25	2X0.75mm²	5.7	13.8	50
26	3G0.75mm²	6.0	20.7	61
27	4G0.75mm²	6.5	27.6	74
28	5G0.75mm²	7.3	34.6	93
29	6G0.75mm²	7.9	41.5	109
30	7G0.75mm²	7.9	48.4	115
31	8G0.75mm²	8.7	55.3	132
32	10G0.75mm²	10.3	69.1	172
33	12G0.75mm²	10.6	82.9	194
34	14G0.75mm²	11.1	96.8	219
35	16G0.75mm²	11.9	110.6	251
36	18G0.75mm²	12.7	124.4	284
37	19G0.75mm²	12.7	131.3	293
38	20G0.75mm²	13.3	138.2	311
39	24G0.75mm²	15.1	165.9	385
40	25G0.75mm²	15.1	172.8	394
41	26G0.75mm²	15.1	179.7	403
42	28G0.75mm²	15.4	193.5	427
43	30G0.75mm²	15.9	207.4	454
44	32G0.75mm²	16.7	221.2	491
45	36G0.75mm²	17.5	248.8	548
46	37G0.75mm²	17.5	255.7	558
47	40G0.75mm²	18.9	276.5	619
48	42G0.75mm²	19.9	290.3	663
49	2X1.0mm²	6.2	18.4	61
50	3G1.0mm²	6.6	27.6	75
51	4G1.0mm²	7.1	36.9	92
52	5G1.0mm²	8.0	46.1	114
53	6G1.0mm²	8.9	55.3	140
54	7G1.0mm²	8.9	64.5	147
55	8G1.0mm²	9.5	73.7	162
56	10G1.0mm²	11.5	92.2	218
57	12G1.0mm²	11.8	110.6	247
58	14G1.0mm²	12.4	129.0	279
59	16G1.0mm²	13.3	147.5	319
60	18G1.0mm²	14.2	165.9	361
61	19G1.0mm²	14.2	175.1	373
62	20G1.0mm²	14.8	184.3	395
63	24G1.0mm²	16.8	221.2	487
64	26G1.0mm²	16.8	239.6	511

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	542
66	30G1.0mm²	17.9	276.5	586
67	32G1.0mm²	18.6	294.9	623
68	36G1.0mm²	19.5	331.8	695
69	37G1.0mm²	19.5	341.0	707
70	40G1.0mm²	21.0	368.6	783
71	42G1.0mm²	22.1	387.1	838
72	2X1.5mm²	7.0	27.6	82
73	3G1.5mm²	7.4	41.5	100
74	4G1.5mm²	8.3	55.3	128
75	5G1.5mm²	9.3	69.1	160
76	6G1.5mm²	10.3	82.9	195
77	7G1.5mm²	10.3	96.8	206
78	8G1.5mm²	11.1	110.6	226
79	10G1.5mm²	13.3	138.2	299
80	12G1.5mm²	13.9	165.9	348
81	14G1.5mm²	14.6	193.5	394
82	16G1.5mm²	15.6	221.2	449
83	18G1.5mm²	16.6	248.8	506
84	19G1.5mm²	16.6	262.6	524
85	20G1.5mm²	17.6	276.5	564
86	24G1.5mm²	19.6	331.8	678
87	26G1.5mm²	19.6	359.4	715
88	28G1.5mm²	20.0	387.1	759
89	30G1.5mm²	20.9	414.7	819
90	32G1.5mm²	21.9	442.4	882
91	37G1.5mm²	22.7	511.5	989
92	2X2.5mm²	8.5	46.1	125
93	3G2.5mm²	9.2	69.1	159
94	4G2.5mm²	10.3	92.2	203
95	5G2.5mm²	11.2	115.2	246
96	6G2.5mm²	12.4	138.2	299
97	7G2.5mm²	12.4	161.3	318
98	8G2.5mm²	13.6	184.3	354
99	10G2.5mm²	16.5	230.4	470
100	12G2.5mm²	17.0	276.5	538
101	14G2.5mm²	18.1	322.5	620
102	16G2.5mm²	19.2	368.6	705
103	18G2.5mm²	20.2	414.7	782
104	19G2.5mm²	20.2	437.7	812
105	20G2.5mm²	21.4	460.8	870
106	24G2.5mm²	24.3	552.9	1070
107	25G2.5mm²	24.3	576.0	1100
108	30G2.5mm²	25.9	691.2	1293
109	32G2.5mm²	27.0	737.3	1387
110	37G2.5mm²	28.2	852.5	1576
111	2X4.0mm²	10.1	73.8	184
112	3G4.0mm²	10.9	110.7	235
113	4G4.0mm²	12.2	147.6	300
114	5G4.0mm²	13.5	184.5	372
115	6G4.0mm²	14.9	221.4	450
116	7G4.0mm²	14.9	258.3	481
117	8G4.0mm²	16.3	295.2	532
118	10G4.0mm²	19.7	369.0	699
119	12G4.0mm²	20.3	442.8	803
120	16G4.0mm²	22.9	590.4	1052
121	2X6.0mm²	12.1	109.8	267
122	3G6.0mm²	13.1	164.7	342
123	4G6.0mm²	14.5	219.6	434
124	5G6.0mm²	16.1	274.5	537
125	6G6.0mm²	17.7	329.4	649
126	7G6.0mm²	17.7	384.3	695
127	8G6.0mm²	19.6	439.2	776
128	10G6.0mm²	23.7	549.0	1024
129	12G6.0mm²	24.4	658.8	1177

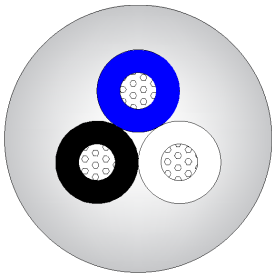
控制电缆 CONTROL CABLE

02

H03VV-F

CE 认证 300V/300V PVC 护套工业柔性控制电缆

CE certified 300V/300V PVC sheathed industrial flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F ➤
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables can be used for power, control, and connection lines, and are widely applied in electrical equipment and other scenarios. They are suitable for fixed installations as well as occasional bending situations involving free, non-continuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Harmonized European standard with high recognition in the EU;
Good peelability;
Suitable for occasional movement.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-11；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-11;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
PVC outer sheath;
Outer sheath color: gray (RAL7001).

Reach

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：−40 至+ 70℃；
移动安装：−5 至+ 70℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance:
conform to IEC60228 Class 5 standard;
Rated voltage: 300/300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 1500V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: −40 to +70℃ ;
Mobile installation: −5 to +70℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.2	9	39
2	2X0.75mm²	5.7	14	49
3	3X0.5mm²	5.5	13	46
4	3X0.75mm²	6.0	21	59
5	5X0.5mm²	6.0	18	56
6	5X0.75mm²	6.6	27	73

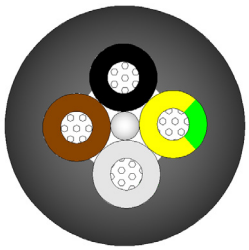
控制电缆 CONTROL CABLE

02

H05VV-F

CE 认证 标准型 PVC 护套柔性控制电缆

CE certified standard PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables can be used for power, control and connecting lines, and are widely used in electrical equipment and other occasions. It is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. UV protection is required for outdoor use. It is not suitable for direct burial underground.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Harmonized standards in Europe, highly recognized by EU;
Good peeling property;
Occasional movement.

Technical certification

CE certification;
CE Low Voltage Regulation 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-11;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core layer stranding;
PVC outer sheath;
Outer sheath color: grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

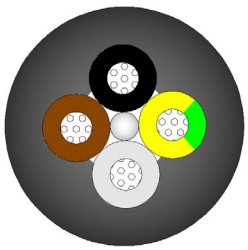
控制电缆 CONTROL CABLE

02

H05VV5-F

CE 认证 标准型耐油型 PVC 护套柔性控制电缆

CE certified standard oil resistant PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
高度耐油，符合 EN50363-4-1(TM5) 标准；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类
PVC 芯线绝缘；
芯线层绞；
特制耐油 PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables can be used for power, control and connecting lines, and are widely used in electrical equipment and other occasions. It is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. UV protection is required for outdoor use. It is not suitable for direct burial underground.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Highly oil resistant, conforming to EN50363-4-1 (TM5) standard;
Harmonized standards in Europe, highly recognized by EU;
Good peeling property;
Occasional movement.

Technical certification

CE certification,TUV certification;
CE Low Voltage Regulation 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core layer stranding;
Special oil resistant PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
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40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

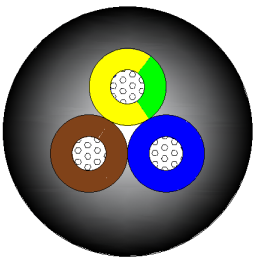
控制电缆 CONTROL CABLE

02

H05V2V2-F

CE 认证 耐热型 PVC 护套工业柔性控制电缆

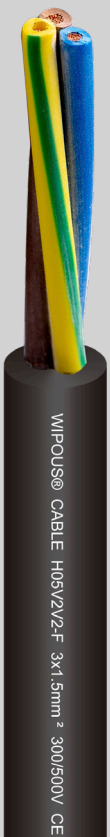
CE certified Heat-Resistant PVC-Sheathed Industrial Flexible Control Cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F ➤
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
优异的耐热老化性能；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特制耐热 PVC 芯线绝缘；
芯线层绞；
特制耐热 PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables can be used for power, control and connecting lines, and are widely used in electrical equipment and other occasions. It is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. UV protection is required for outdoor use. It is not suitable for direct burial underground.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Excellent heat aging resistance;
Harmonized standards in Europe, highly recognized by EU;
Good peeling property;
Occasional movement.

Technical certification

CE certification;
CE Low Voltage Regulation 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special heat-resistant PVC core wire insulation;
Core layer stranding;
Special heat-resistant PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire: G=including yellow green grounding protection core wire, X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: - 40 to+105 ℃ ;
Moved installation: - 15 to+105 ℃
Minimum bending radius:
fixed installation: 4X cable diameter,
occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

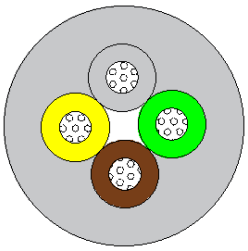
控制电缆 CONTROL CABLE

02

YY

CE 认证 300V/500V PVC 护套工业柔性控制电缆

CE certified 300V/500V PVC sheathed industrial flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Good peelability;
Suitable for occasional movement.

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-51;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
PVC outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.








Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

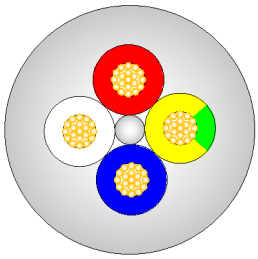
控制电缆 CONTROL CABLE

02

NYM-J NYM-O

CE 认证 300V/500V PVC 护套安装控制电缆

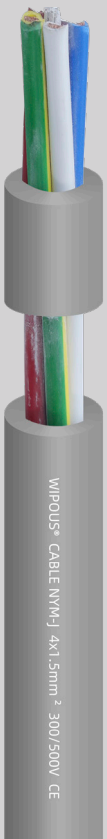
CE certified 300V/500V PVC sheathed installation control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O ➤
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
良好的剥离性；
偶尔移动；
-J 表示有黄 / 绿地线， -O 表示无黄 / 绿地线。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 VDE 0250；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Good peelability;
Suitable for occasional movement;
-J indicates with yellow/green earth wire;
-O indicates without yellow/green earth wire.

Technical certification

conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to IEC60227-5 and VDE 0250;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
PVC outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

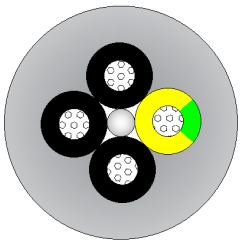
控制电缆 CONTROL CABLE

02

YSLY

CE 认证 300V/500V 耐油性 PVC 护套柔性控制电缆

CE certified 300V/500V oil-resistant PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
高度耐油，符合 EN50363-4-1(TM5) 标准；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
特制耐油 PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
High oil resistance, conform to EN50363-4-1 (TM5) standard;
Good peelability;
Suitable for occasional movement.

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-51;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
Special oil-resistant PVC outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

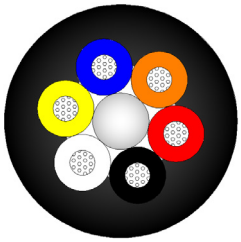
控制电缆 CONTROL CABLE

02

AWM 2587

UL/CUL 认证 PVC 护套柔性控制电缆

UL/CUL certified PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2587，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE 芯线绝缘材质可选；
芯线层绞；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 90℃；
移动安装：-5 至+ 90℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Widely recognized in the North American market;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2587, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
PVC/TPE core wire insulation material is optional;
Core layer stranding;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+90 ℃ ;
Moved installation: - 5 to+90 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 12.5X cable diameter.

Reach

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	42
2	3G20AWG	6.1	14.8	52
3	4G20AWG	6.9	19.7	67
4	5G20AWG	7.4	24.7	80
5	6G20AWG	8.3	29.6	96
6	7G20AWG	8.9	34.6	110
7	8G20AWG	9.8	39.5	138
8	10G20AWG	10.7	49.4	153
9	12G20AWG	11.0	59.2	172
10	16G20AWG	12.3	79.0	223
11	18G20AWG	13.2	88.8	253
12	20G20AWG	13.8	98.7	278
13	24G20AWG	15.4	118.5	346
14	30G20AWG	16.5	148.1	399
15	36G20AWG	17.9	177.7	475
16	40G20AWG	19.3	197.4	544
17	2X18AWG	6.3	15.6	52
18	3G18AWG	6.8	23.4	69
19	4G18AWG	7.7	31.1	89
20	5G18AWG	8.3	38.9	106
21	6G18AWG	9.2	46.7	127
22	7G18AWG	9.9	54.5	152
23	8G18AWG	10.9	62.3	182
24	10G18AWG	11.9	77.8	203
25	12G18AWG	12.2	93.4	229
26	16G18AWG	13.7	124.5	297
27	18G18AWG	14.4	140.1	329
28	20G18AWG	15.3	155.7	376
29	24G18AWG	17.1	186.8	460
30	30G18AWG	18.3	233.5	532
31	36G18AWG	19.8	280.2	634
32	40G18AWG	21.4	311.3	723
33	2X16AWG	7.1	24.1	69
34	3G16AWG	7.5	36.2	89
35	4G16AWG	8.4	48.2	115
36	5G16AWG	9.3	60.3	143
37	6G16AWG	10.3	72.3	170
38	7G16AWG	11.3	84.4	209
39	8G16AWG	12.4	96.4	248
40	10G16AWG	13.1	120.5	265
41	12G16AWG	13.7	144.6	308
42	16G16AWG	15.1	192.8	393
43	18G16AWG	16.1	216.9	445
44	20G16AWG	17.1	241.0	507
45	25G16AWG	19.1	301.3	611

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	22.3	433.8	868
47	2X14AWG	8.1	38.0	95
48	3G14AWG	8.6	57.0	123
49	4G14AWG	9.5	76.0	160
50	5G14AWG	10.6	95.0	198
51	6G14AWG	11.7	114.0	235
52	7G14AWG	12.8	133.0	289
53	8G14AWG	13.9	152.0	334
54	10G14AWG	15.1	190.0	376
55	12G14AWG	15.6	228.0	430
56	16G14AWG	17.4	304.0	561
57	18G14AWG	18.5	342.1	633
58	20G14AWG	19.6	380.1	718
59	24G14AWG	22.1	456.1	885
60	2X12AWG	9.1	60.3	128
61	3G12AWG	9.8	90.4	174
62	4G12AWG	11.0	120.5	226
63	5G12AWG	12.2	150.6	280
64	6G12AWG	13.4	180.8	333
65	7G12AWG	14.7	210.9	407
66	8G12AWG	16.1	241.0	479
67	10G12AWG	17.5	301.3	542
68	12G12AWG	18.0	361.5	622
69	16G12AWG	20.2	482.0	812
70	2X10AWG	11.4	97.3	194
71	3G10AWG	12.3	146.0	264
72	4G10AWG	13.6	194.7	342
73	5G10AWG	15.1	243.3	440
74	2X8AWG	14.4	155.7	308
75	3G8AWG	15.4	233.6	419
76	4G8AWG	17.0	311.5	534
77	5G8AWG	18.7	389.3	687
78	2X6AWG	18.6	246.6	494
79	3G6AWG	19.9	369.9	672
80	4G6AWG	22.4	493.1	882
81	5G6AWG	24.9	616.4	1148
82	2X4AWG	22.0	405.1	741
83	3G4AWG	23.7	607.6	1027
84	4G4AWG	26.1	810.2	1317
85	5G4AWG	29.4	1012.7	1738
86	2X2AWG	26.0	598.8	1065
87	3G2AWG	27.6	898.2	1447
88	4G2AWG	31.2	1197.6	1922
89	5G2AWG	34.6	1497.1	2480

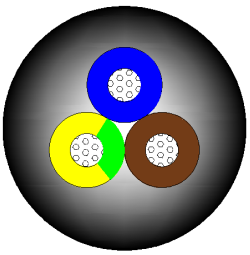
控制电缆 CONTROL CABLE

02

AWM 2733

UL/CUL 认证耐热型 PVC 护套柔性控制电缆

UL/CUL certified heat-resistant PVC sheathed flexible control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90
AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
北美市场广泛认可；
优异的耐热老化性能；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2733，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. They are suitable for wiring (AWM) cables in industrial machinery and equipment in the United States.

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to FT1 and VW-1;
Widely recognized in the North American market;
Excellent heat aging resistance;
Good peelability;
Suitable for occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2733, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Stranded tinned copper，conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +105℃ ;
Mobile installation: -15 to +105℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	42
2	3G20AWG	6.1	14.8	52
3	4G20AWG	6.9	19.7	67
4	5G20AWG	7.4	24.7	80
5	6G20AWG	8.3	29.6	96
6	7G20AWG	8.9	34.6	110
7	2X18AWG	6.3	15.6	52
8	3G18AWG	6.8	23.4	69
9	4G18AWG	7.7	31.1	89
10	5G18AWG	8.3	38.9	106
11	6G18AWG	9.2	46.7	127
12	7G18AWG	9.9	54.5	152
13	2X16AWG	7.1	24.1	69
14	3G16AWG	7.5	36.2	89
15	4G16AWG	8.4	48.2	115
16	5G16AWG	9.3	60.3	143
17	2X14AWG	8.1	38.0	95
18	3G14AWG	8.6	57.0	123
19	4G14AWG	9.5	76.0	160
20	2X12AWG	9.1	60.3	128
21	3G12AWG	9.8	90.4	174

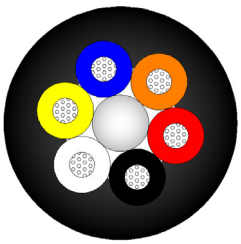
控制电缆 CONTROL CABLE

02

AWM 2501

UL/CUL 认证 耐热型 PVC 护套柔性控制电缆

UL/CUL certified heat-resistant PVC sheathed flexible control cable



PVC 护套柔性
控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501 ▶
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
北美市场广泛认可；
优异的耐热老化性能；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2501，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/ 耐热 TPE 芯线绝缘可选；
芯线层绞；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：12.5X 电缆直径。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Widely recognized in the North American market;
Excellent heat aging resistance;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2501, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
PVC/Heat-resistant TPE core wire insulation is optional;
Core layer stranding;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+105 ℃ ;
Moved installation: - 15 to+105 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 12.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	42
2	3G20AWG	6.1	14.8	52
3	4G20AWG	6.9	19.7	67
4	5G20AWG	7.4	24.7	80
5	6G20AWG	8.3	29.6	96
6	7G20AWG	8.9	34.6	110
7	8G20AWG	9.8	39.5	138
8	10G20AWG	10.7	49.4	153
9	12G20AWG	11.0	59.2	172
10	16G20AWG	12.3	79.0	223
11	18G20AWG	13.2	88.8	253
12	20G20AWG	13.8	98.7	278
13	24G20AWG	15.4	118.5	346
14	30G20AWG	16.5	148.1	399
15	36G20AWG	17.9	177.7	475
16	40G20AWG	19.3	197.4	544
17	2X18AWG	6.3	15.6	52
18	3G18AWG	6.8	23.4	69
19	4G18AWG	7.7	31.1	89
20	5G18AWG	8.3	38.9	106
21	6G18AWG	9.2	46.7	127
22	7G18AWG	9.9	54.5	152
23	8G18AWG	10.9	62.3	182
24	10G18AWG	11.9	77.8	203
25	12G18AWG	12.2	93.4	229
26	16G18AWG	13.7	124.5	297
27	18G18AWG	14.4	140.1	329
28	20G18AWG	15.3	155.7	376
29	24G18AWG	17.1	186.8	460
30	30G18AWG	18.3	233.5	532
31	36G18AWG	19.8	280.2	634
32	40G18AWG	21.4	311.3	723
33	2X16AWG	7.1	24.1	69
34	3G16AWG	7.5	36.2	89
35	4G16AWG	8.4	48.2	115
36	5G16AWG	9.3	60.3	143
37	6G16AWG	10.3	72.3	170
38	7G16AWG	11.3	84.4	209
39	8G16AWG	12.4	96.4	248
40	10G16AWG	13.1	120.5	265
41	12G16AWG	13.7	144.6	308
42	16G16AWG	15.1	192.8	393
43	18G16AWG	16.1	216.9	445
44	20G16AWG	17.1	241.0	507
45	25G16AWG	19.1	301.3	611

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	22.3	433.8	868
47	2X14AWG	8.1	38.0	95
48	3G14AWG	8.6	57.0	123
49	4G14AWG	9.5	76.0	160
50	5G14AWG	10.6	95.0	198
51	6G14AWG	11.7	114.0	235
52	7G14AWG	12.8	133.0	289
53	8G14AWG	13.9	152.0	334
54	10G14AWG	15.1	190.0	376
55	12G14AWG	15.6	228.0	430
56	16G14AWG	17.4	304.0	561
57	18G14AWG	18.5	342.1	633
58	20G14AWG	19.6	380.1	718
59	24G14AWG	22.1	456.1	885
60	2X12AWG	9.1	60.3	128
61	3G12AWG	9.8	90.4	174
62	4G12AWG	11.0	120.5	226
63	5G12AWG	12.2	150.6	280
64	6G12AWG	13.4	180.8	333
65	7G12AWG	14.7	210.9	407
66	8G12AWG	16.1	241.0	479
67	10G12AWG	17.5	301.3	542
68	12G12AWG	18.0	361.5	622
69	16G12AWG	20.2	482.0	812
70	2X10AWG	11.4	97.3	194
71	3G10AWG	12.3	146.0	264
72	4G10AWG	13.6	194.7	342
73	5G10AWG	15.1	243.3	440
74	2X8AWG	14.4	155.7	308
75	3G8AWG	15.4	233.6	419
76	4G8AWG	17.0	311.5	534
77	5G8AWG	18.7	389.3	687
78	2X6AWG	18.6	246.6	494
79	3G6AWG	19.9	369.9	672
80	4G6AWG	22.4	493.1	882
81	5G6AWG	24.9	616.4	1148
82	2X4AWG	22.0	405.1	741
83	3G4AWG	23.7	607.6	1027
84	4G4AWG	26.1	810.2	1317
85	5G4AWG	29.4	1012.7	1738
86	2X2AWG	26.0	598.8	1065
87	3G2AWG	27.6	898.2	1447
88	4G2AWG	31.2	1197.6	1922
89	5G2AWG	34.6	1497.1	2480

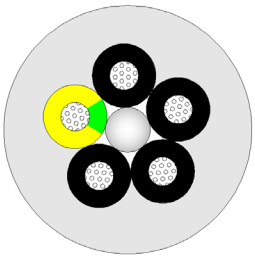
控制电缆 CONTROL CABLE

02

AS/NZS 3191 V-90 5V-90

SAA 认证 PVC 护套控制电缆

SAA certified standard AS/NZS 3191 V-90 5V-90 PVC sheathed control cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90 ➤
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90



应用范围

应用于电器、仪表和电子设备及自动化装置用电源线、控制线及信号传输线。也用于家庭、商业和工业直埋或地下输送管道中，不致于使导体及 PVC 受到损害。 SAA 认证 3191 标准多芯软电缆尤其适用于出口至澳洲。活动房，集装箱，冷藏柜及房车等内部安装。

Scope of application

Applied to power lines, control lines, and signal transmission lines for electrical appliances, instruments, electronic equipment, and automation devices. It is also used in household, commercial, and industrial buried or underground pipelines to prevent damage to conductors and PVC. SAA certified 3191 standard multi-core flexible cables are particularly suitable for export to Australia. Internal installation of activity rooms, containers, refrigerated cabinets, and RVs.

产品特性

柔性，易弯曲；
阻燃等级 IEC60332-1；
具有耐碱、耐油、防潮、防霉、环保等特性。

Product characteristics

Flexible and easy to bend;
Flame retardant grade IEC60332-1;
Has characteristics such as alkali resistance, oil resistance, moisture resistance, mold resistance, and environmental protection.

技术认证

SAA 认证；
符合 AS/NZS 3191 标准；
RoHS，REACH。

Technical certification

SAA certification;
Complies with AS/NZS 3191 standard;
RoHS，REACH.

电缆结构

多股束绞裸铜丝 / 镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire/tinned copper wire, in accordance with IEC60228 standard, Class 5;
PVC core wire insulation;
PVC outer sheath;
Outer sheath black or gray (RAL7001).

技术参数

芯线标识：符合澳洲色规标准；
额定电压：250/440V；
额定温度：90℃；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
最小弯曲半径：15X 电缆直径。

Technical parameters

Core wire identification: complies with Australian color code standards;
Rated voltage: 250/440V;
Rated temperature: 90 ℃ ;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Minimum bending radius: 15X cable diameter.






Reach

物料编号 Item No	芯数 X 标称截面 mm Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	48
2	3X0.5mm²	6.2	13.6	56
3	4X0.5mm²	6.8	18.1	68
4	5X0.5mm²	7.4	22.7	82
5	2X0.75mm²	6.3	13.8	57
6	3X0.75mm²	6.7	20.7	69
7	4X0.75mm²	7.3	27.6	84
8	5X0.75mm²	8.1	34.6	105
9	2X1.0mm²	6.7	18.4	67
10	3X1.0mm²	7.1	27.6	81
11	4X1.0mm²	7.9	36.9	103
12	5X1.0mm²	8.7	46.1	125
13	2X1.5mm²	7.7	27.6	91
14	3X1.5mm²	8.4	41.5	115
15	4X1.5mm²	9.3	55.3	146
16	5X1.5mm²	10.4	69.1	182
17	2X2.5mm²	9.3	46.1	137
18	3X2.5mm²	10.1	69.1	174
19	4X2.5mm²	11.0	92.2	215
20	5X2.5mm²	12.2	115.2	267
21	2X4.0mm²	10.5	73.8	187
22	3X4.0mm²	11.4	110.7	239
23	4X4.0mm²	12.4	147.6	298
24	5X4.0mm²	14.0	184.5	377

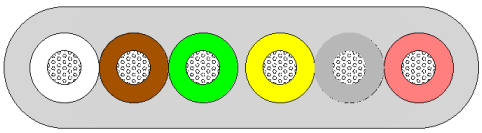
控制电缆 CONTROL CABLE

02

AS-NSZ 5000.2 V-90 5V-90

SAA 认证 PVC 绝缘扁平护套线

SAA Certified PVC Insulated Flat Sheathed Cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KY-PVC
FNFLEX-KYO-PVC
FNFLEX-KY2-PVC
H03VV-F
H05VV-F
H05VV5-F
H05V2V2-F
YY
NYM-J/NYM-O
YSLY
AWM 2587
AWM 2733
AWM 2501
AS/NZS 3191 V-90 5V-90
AS NZS 5000.2 V-90/5V-90 ▶
AS NZS 5000.3 V-90/5V-90



应用范围

适用于家庭、商业和工业直埋或地下输送管道中，能确保导体及 PVC 不受损害。尤其适用于出口至澳洲的活动房、集装箱、冷藏柜及房车等内部安装，也可用于建筑物或工业厂房等不受机械损伤的地方敷设于管道、直埋或安装于地下沟壑内。

Scope of application

Suitable for direct burial or underground transmission pipelines in residential, commercial and industrial settings, which can protect conductors and PVC from damage. It is especially applicable for internal installation in prefabricated houses, containers, refrigerated containers and caravans exported to Australia. It can also be laid in pipelines, directly buried or installed in underground trenches in buildings or industrial plants where there is no risk of mechanical damage.

产品特性

阻燃性符合 IEC60332-1-2。

Product characteristics

Flame retardancy conform to IEC 60332-1-2.

技术认证

SAA 认证
符合 AS/NZS 5000.2
RoHS，REACH。

Technical certification

SAA certification
conform to AS/NZS 5000.2
RoHS, REACH

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）
V-90 芯线绝缘，符合 AS/NZS 3808
5V-90 外护套，符合 AS/NZS 3808
外护套一般为白色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5)
V-90 core insulation, conform to AS/NZS 3808
5V-90 outer sheath, conform to AS/NZS 3808
Outer sheath is generally white; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.2 要求
导体电阻：符合 AS/NZS 1125 标准
额定温度：90℃
额定电压：450/750V
测试电压：2500V/5min
温度范围：固定安装：-15 至+ 90℃
最小弯曲半径：5X 电缆直径。

Technical parameters

Core identification: According to AS/NZS 5000.2 requirements
Conductor resistance: conform to AS/NZS 1125 standard
Rated temperature: 90℃
Rated voltage: 450/750V
Test voltage: 2500V/5min
Temperature range: Fixed installation: -15 to +90℃
Minimum bending radius: 5X cable diameter.





Reach

物料编号 Item No	芯数 X 标称截面 mm Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X1.0mm²+1.0mm²E	4.5*9.5	28	86
2	2X1.5mm²+1.5mm²E	4.8*10.4	41	108
3	2X2.5mm²+2.5mm²E	5.7*12.7	68	163
4	2X4mm²+2.5mm²E	6.6*14.3	96	312
5	2X6mm²+2.5mm²E	7.2*15.5	131	400
6	2X10mm²+4mm²E	9.2*20	220	662
7	2X16mm²+6mm²E	10.5*23.0	347	971
8	3X1.0mm²+1.0mm²E	4.5*12.0	37	110
9	3X1.5mm²+1.5mm²E	4.8*13.2	55	139
10	3X2.5mm²+2.5mm²E	5.7*16.2	91	211
11	3X4mm²+2.5mm²E	6.6*18.5	132	419
12	3X6mm²+2.5mm²E	7.2*20.3	185	548
13	3X10mm²+4mm²E	9.2*26.6	312	914
14	3X16mm²+6mm²E	10.5*30.7	494	1349
15	4X1.0mm²+1.0mm²E	4.5*14.5	46	135
16	4X1.5mm²+1.5mm²E	4.8*16	68	170
17	4X2.5mm²+2.5mm²E	5.7*19.7	114	259
18	4X4mm²+2.5mm²E	6.6*22.7	169	526
19	4X6mm²+2.5mm²E	7.2*25.1	238	696
20	4X10mm²+4mm²E	9.2*33.2	404	1167
21	4X16mm²+6mm²E	10.5*38.4	641	1727

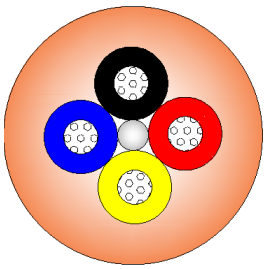
控制电缆 CONTROL CABLE

02

AS-NSZ 5000.3 V-90 5V-90

SAA 认证 PVC 绝缘护套线

SAA Certified PVC Insulated Sheathed Cable



PVC 护套柔性控制电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KY-PVC
- FNFLEX-KYO-PVC
- FNFLEX-KY2-PVC
- H03VV-F
- H05VV-F
- H05VV5-F
- H05V2V2-F
- YY
- NYM-J/NYM-O
- YSLY
- AWM 2587
- AWM 2733
- AWM 2501
- AS/NZS 3191 V-90 5V-90
- AS NZS 5000.2 V-90/5V-90
- AS NZS 5000.3 V-90/5V-90 ▶



应用范围

适用于各类工业生产场所，可连接工业自动化设备、机床、电机等，实现对设备的控制和参数监测，也可用于工业开关设备安装，确保开关设备的正常操作与控制。

Scope of application

Suitable for various industrial production sites. It can be used to connect industrial automation equipment, machine tools, motors, etc., to realize equipment control and parameter monitoring. It can also be applied to the installation of industrial switchgear to ensure the normal operation and control of the switchgear.

产品特性

阻燃性符合 IEC60332-1-2。

Product characteristics

Flame retardancy conform to IEC 60332-1-2.

技术认证

SAA 认证；
符合 AS/NZS 5000.3;
RoHS，REACH。

Technical certification

SAA certification;
conform to AS/NZS 5000.3;
RoHS, REACH;

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808;
5V-90 外护套，符合 AS/NZS 3808;
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
V-90 core insulation, conform to AS/NZS 3808;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.3 要求;
导体电阻：符合 AS/NZS 1125 标准;
额定温度：90℃;
额定电压：450/750V;
测试电压：2500V/5min;
温度范围：固定安装：-15 至+ 90℃;
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification: According to AS/NZS 5000.3 requirements;
Conductor resistance: conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 450/750V;
Test voltage: 2500V/5min;
Temperature range: Fixed installation: -15 to +90℃ ;
Minimum bending radius: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	7.1	8.98	65.43
2	2X0.75mm²	7.7	13.69	79.49
3	2X1.0mm²	7.9	18.25	86.65
4	2X1.5mm²	8.5	27.38	105.25
5	2X2.5mm²	9.9	45.63	149.66
6	2X4.0mm²	11.3	73.08	205.81
7	2X6.0mm²	12.5	107.80	266.23
8	2X10mm²	16.6	183.59	406.47
9	2X16mm²	19.2	293.39	577.03
10	3X0.5mm²	7.4	13.48	74.83
11	3X0.75mm²	8.1	20.53	92.16
12	3X1.0mm²	8.3	27.38	101.58
13	3X1.5mm²	8.9	41.07	125.35
14	3X2.5mm²	10.4	68.45	181.24
15	3X4.0mm²	12	109.62	253.25
16	3X6.0mm²	13.3	161.71	335.22
17	3X10mm²	17.9	275.39	543.62
18	3X16mm²	20.4	440.09	761.07
19	4X0.5mm²	8	17.97	88.37
20	4X0.75mm²	8.7	27.38	110.01
21	4X1.0mm²	8.9	36.51	122.07
22	4X1.5mm²	9.7	54.76	152.19
23	4X2.5mm²	11.3	91.26	222.76
24	4X4.0mm²	13	146.16	314.40
25	4X6.0mm²	14.8	215.61	425.60
26	4X10mm²	19.4	367.19	675.06
27	4X16mm²	22.6	586.78	977.53
28	5X0.5mm²	8.6	22.46	103.70
29	5X0.75mm²	9.4	34.22	130.12
30	5X1.0mm²	9.7	45.63	144.99
31	5X1.5mm²	10.5	68.45	182.02
32	5X2.5mm²	12.4	114.08	268.80
33	5X4.0mm²	14.4	182.70	388.45
34	5X6.0mm²	16.2	269.51	518.13
35	5X10mm²	21.6	458.99	838.05
36	5X16mm²	25.2	733.48	1211.04
37	6X0.5mm²	9.2	26.95	120.46
38	6X0.75mm²	10.1	41.07	152.08
39	6X1.0mm²	10.4	54.76	169.90
40	6X1.5mm²	11.3	82.14	214.31
41	6X2.5mm²	13.4	136.89	318.61
42	6X4.0mm²	15.7	219.24	461.89
43	6X6.0mm²	17.8	323.41	625.70
44	7X0.5mm²	9.2	31.44	124.47
45	7X0.75mm²	10.1	47.91	158.06
46	7X1.0mm²	10.4	63.88	177.69
47	7X1.5mm²	11.3	95.83	225.79
48	7X2.5mm²	13.4	159.71	337.63
49	7X4.0mm²	15.8	255.78	495.68
50	7X6.0mm²	17.8	377.31	669.85
51	8X0.5mm²	10.1	35.94	145.09
52	8X0.75mm²	11.1	54.76	182.67
53	8X1.0mm²	11.5	73.01	204.78
54	8X1.5mm²	12.5	109.52	258.62
55	8X2.5mm²	15	182.52	390.21
56	8X4.0mm²	17.3	292.32	554.87
57	8X6.0mm²	19.7	431.21	758.30
58	9X0.5mm²	10.8	40.43	161.36
59	9X0.75mm²	11.9	61.60	203.84
60	9X1.0mm²	12.2	82.14	228.79
61	9X1.5mm²	13.3	123.20	289.64
62	9X2.5mm²	16	205.34	438.17

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
63	9X4.0mm²	18.8	328.87	633.82
64	9X6.0mm²	21.3	485.12	864.27
65	10X0.5mm²	11.6	44.92	180.49
66	10X0.75mm²	12.8	68.45	228.52
67	10X1.0mm²	13.2	91.26	256.56
68	10X1.5mm²	14.6	136.89	332.33
69	10X2.5mm²	17.6	228.16	501.41
70	10X4.0mm²	20.8	365.41	733.70
71	10X6.0mm²	23.4	539.02	977.60
72	11X0.5mm²	11.6	49.41	187.62
73	11X0.75mm²	12.8	75.29	238.58
74	11X1.0mm²	13.2	100.39	268.76
75	11X1.5mm²	14.6	150.58	349.35
76	11X2.5mm²	17.6	250.97	529.09
77	11X4.0mm²	20.8	401.95	776.37
78	11X6.0mm²	23.4	592.92	1038.03
79	12X0.5mm²	11.9	53.90	199.71
80	12X0.75mm²	13.2	82.14	254.70
81	12X1.0mm²	13.6	109.52	287.43
82	12X1.5mm²	15	164.27	374.28
83	12X2.5mm²	18.1	273.79	568.26
84	12X4.0mm²	21.5	438.49	835.07
85	12X6.0mm²	24.3	646.82	1130.49
86	15X0.5mm²	12.8	67.38	234.13
87	15X0.75mm²	14.1	102.67	300.84
88	15X1.0mm²	14.8	136.89	348.31
89	15X1.5mm²	16.1	205.34	446.18
90	15X2.5mm²	19.5	342.23	681.65
91	16X0.5mm²	13.1	71.87	246.42
92	16X0.75mm²	14.7	109.52	324.43
93	16X1.0mm²	15.4	146.02	374.98
94	16X1.5mm²	17	219.03	488.05
95	16X2.5mm²	20.6	365.05	746.50
96	18X0.5mm²	13.7	80.85	271.17
97	18X0.75mm²	15.4	123.20	357.80
98	18X1.0mm²	15.9	164.27	405.97
99	18X1.5mm²	17.6	246.41	531.05
100	18X2.5mm²	21.5	410.68	822.52
101	20X0.5mm²	14.5	89.84	303.59
102	20X0.75mm²	16.1	136.89	391.85
103	20X1.0mm²	16.7	182.52	445.24
104	20X1.5mm²	18.7	273.79	592.47
105	20X2.5mm²	22.6	456.31	905.01
106	24X0.5mm²	16.2	107.80	367.23
107	24X0.75mm²	18	164.27	474.41
108	24X1.0mm²	18.6	219.03	538.94
109	24X1.5mm²	20.8	328.54	715.61
110	24X2.5mm²	25.3	547.57	1096.51
111	25X0.5mm²	16	112.30	366.40
112	25X0.75mm²	18	171.12	484.47
113	25X1.0mm²	18.6	228.16	551.15
114	25X1.5mm²	20.8	342.23	732.63
115	25X2.5mm²	25.4	570.39	1127.05
116	30X0.5mm²	16.9	134.75	419.09
117	30X0.75mm²	19	205.34	556.33
118	30X1.0mm²	19.8	273.79	644.98
119	30X1.5mm²	22.2	410.68	851.64
120	30X2.5mm²	27	684.47	1321.19
121	36X0.5mm²	18.5	161.71	505.23
122	36X0.75mm²	20.8	246.41	669.05
123	36X1.0mm²	21.6	328.54	766.22
124	36X1.5mm²	24	492.82	1008.65
125	36X2.5mm²	29.2	821.36	1558.64

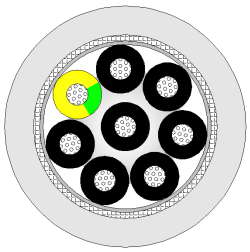
控制电缆 CONTROL CABLE

02

FNFLEX-KCY-PVC

CE 认证 经济型 PVC 护套柔性屏蔽控制电缆

CE certified economical PVC sheathed flexible shield control cable



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
EMC occasions;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned copper braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：线芯 / 线芯 4000V；线芯 / 屏蔽 2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: wire core/wire core 4000V; Core/shield 2000V
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	54
2	3G0.5mm²	6.3	23.0	64
3	4G0.5mm²	6.7	28.5	75
4	5G0.5mm²	7.3	34.2	87
5	6G0.5mm²	8.0	40.0	105
6	7G0.5mm²	8.0	44.5	111
7	8G0.5mm²	8.5	53.2	127
8	10G0.5mm²	10.0	65.6	163
9	12G0.5mm²	10.3	75.4	180
10	14G0.5mm²	11.0	85.8	206
11	16G0.5mm²	11.5	96.2	227
12	18G0.5mm²	12.2	106.7	255
13	20G0.5mm²	12.7	117.3	278
14	24G0.5mm²	14.2	138.8	334
15	26G0.5mm²	14.2	147.8	347
16	28G0.5mm²	14.7	157.7	373
17	30G0.5mm²	15.1	168.0	395
18	32G0.5mm²	15.9	178.4	428
19	36G0.5mm²	16.4	198.0	465
20	37G0.5mm²	16.4	202.6	471
21	40G0.5mm²	17.7	219.1	525
22	42G0.5mm²	18.6	230.1	565
23	2X0.75mm²	6.4	23.4	64
24	3G0.75mm²	6.7	31.1	76
25	4G0.75mm²	7.2	39.1	91
26	5G0.75mm²	8.0	47.3	111
27	6G0.75mm²	8.6	58.5	131
28	7G0.75mm²	8.6	65.4	140
29	8G0.75mm²	9.4	74.0	162
30	10G0.75mm²	11.0	91.5	207
31	12G0.75mm²	11.3	106.2	230
32	14G0.75mm²	11.8	121.4	257
33	16G0.75mm²	12.6	136.7	291
34	18G0.75mm²	13.4	152.2	327
35	20G0.75mm²	14.0	167.6	357
36	24G0.75mm²	15.8	199.0	438
37	26G0.75mm²	15.8	212.8	455
38	28G0.75mm²	16.1	227.5	480
39	30G0.75mm²	16.6	242.7	509
40	32G0.75mm²	17.4	258.1	550
41	36G0.75mm²	18.2	287.3	609
42	37G0.75mm²	18.2	294.2	618
43	40G0.75mm²	19.6	318.3	687
44	42G0.75mm²	20.6	334.2	737
45	2X1.0mm²	6.9	29.2	75
46	3G1.0mm²	7.3	39.2	91
47	4G1.0mm²	7.8	49.7	109
48	5G1.0mm²	8.7	63.3	137
49	6G1.0mm²	9.6	74.3	163
50	7G1.0mm²	9.6	83.5	174
51	8G1.0mm²	10.2	94.6	197
52	10G1.0mm²	12.2	117.2	258
53	12G1.0mm²	12.5	136.6	288
54	14G1.0mm²	13.1	156.6	322
55	16G1.0mm²	14.0	176.8	365
56	18G1.0mm²	14.9	197.0	409
57	20G1.0mm²	15.5	217.3	447
58	24G1.0mm²	17.5	258.3	547
59	26G1.0mm²	17.5	276.8	570

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	602
61	30G1.0mm²	18.6	316.1	649
62	32G1.0mm²	19.3	336.3	689
63	36G1.0mm²	20.2	375.0	764
64	37G1.0mm²	20.2	384.2	776
65	40G1.0mm²	21.7	431.4	876
66	42G1.0mm²	22.8	453.0	938
67	2X1.5mm²	7.7	40.2	95
68	3G1.5mm²	8.1	55.0	117
69	4G1.5mm²	9.0	73.4	151
70	5G1.5mm²	10.0	89.2	184
71	6G1.5mm²	11.0	105.2	220
72	7G1.5mm²	11.0	119.0	236
73	8G1.5mm²	11.8	135.0	267
74	10G1.5mm²	14.0	167.6	349
75	12G1.5mm²	14.6	196.4	399
76	14G1.5mm²	15.3	225.9	448
77	16G1.5mm²	16.3	255.5	507
78	18G1.5mm²	17.3	285.3	568
79	20G1.5mm²	18.3	315.1	631
80	24G1.5mm²	20.3	375.4	758
81	26G1.5mm²	20.3	403.0	791
82	28G1.5mm²	20.7	431.8	836
83	30G1.5mm²	21.6	477.1	917
84	32G1.5mm²	22.6	507.4	986
85	36G1.5mm²	23.4	565.6	1078
86	37G1.5mm²	23.4	579.4	1095
87	2X2.5mm²	9.2	64.7	141
88	3G2.5mm²	9.9	89.2	182
89	4G2.5mm²	11.0	114.5	229
90	5G2.5mm²	11.9	140.0	272
91	6G2.5mm²	13.1	165.7	324
92	7G2.5mm²	13.1	188.8	352
93	8G2.5mm²	14.3	214.5	407
94	10G2.5mm²	17.2	266.7	538
95	12G2.5mm²	17.7	314.2	605
96	14G2.5mm²	18.8	362.6	692
97	16G2.5mm²	19.9	411.2	782
98	18G2.5mm²	20.9	459.9	864
99	20G2.5mm²	22.1	525.0	976
100	24G2.5mm²	25.0	625.3	1198
101	30G2.5mm²	26.6	768.5	1424
102	32G2.5mm²	27.7	817.9	1528
103	36G2.5mm²	28.9	913.6	1691
104	37G2.5mm²	28.9	936.7	1718
105	2X4.0mm²	10.8	96.2	199
106	3G4.0mm²	11.6	134.8	259
107	4G4.0mm²	12.9	174.4	327
108	5G4.0mm²	14.2	214.4	399
109	6G4.0mm²	15.6	254.5	476
110	7G4.0mm²	15.6	291.4	518
111	8G4.0mm²	17.0	331.6	579
112	2X6.0mm²	18.4	136.5	355
113	3G6.0mm²	18.4	193.4	427
114	4G6.0mm²	20.3	251.6	541
115	5G6.0mm²	21.9	310.2	651
116	6G6.0mm²	24.4	369.0	796
117	7G6.0mm²	24.4	423.9	859
118	8G6.0mm²	25.1	482.7	955

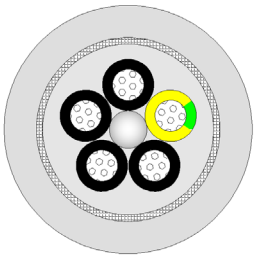
控制电缆 CONTROL CABLE

02

FNFLEX-KYCY-PVC

CE 认证 经济型 PVC 护套柔性屏蔽控制电缆，双护套

CE certified economical PVC sheathed flexible shield control cable, double sheathed



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC ▶
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2 阻燃性；
电磁兼容 EMC 场合；
双护套提高电缆坚固性；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 内护套，灰色；
镀锡铜编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套透明或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-15 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：15X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2 flame retardancy;
EMC occasions;
Double sheath improves cable robustness;
Good peeling property;
Occasional movement.

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
PVC inner sheath, color:grey;
Tinned copper braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:transparent or grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 15 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	7.3	21.7	77
2	3G0.5mm²	7.6	26.9	86
3	4G0.5mm²	8.2	32.6	103
4	5G0.5mm²	8.8	41.7	121
5	6G0.5mm²	9.7	48.4	147
6	7G0.5mm²	9.7	52.9	151
7	12G0.5mm²	12.4	82.4	249
8	18G0.5mm²	14.1	114.1	330
9	25G0.5mm²	16.1	151.2	434
10	37G0.5mm²	18.5	211.6	583
11	2X0.75mm²	7.7	27.4	89
12	3G0.75mm²	8.0	35.1	101
13	4G0.75mm²	8.7	46.6	125
14	5G0.75mm²	9.7	55.8	153
15	6G0.75mm²	10.3	64.4	174
16	7G0.75mm²	10.3	71.4	180
17	12G0.75mm²	13.4	113.4	306
18	18G0.75mm²	15.1	159.9	403
19	25G0.75mm²	17.7	214.8	553
20	2X1.0mm²	8.2	33.3	102
21	3G1.0mm²	8.8	46.6	125
22	4G1.0mm²	9.7	58.2	156
23	5G1.0mm²	10.6	69.3	185
24	6G1.0mm²	11.3	80.5	211
25	7G1.0mm²	11.3	89.7	219
26	12G1.0mm²	14.4	144.1	367
27	18G1.0mm²	16.8	205.6	504

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
28	25G1.0mm²	19.8	277.4	700
29	37G1.0mm²	22.7	413.7	960
30	2X1.5mm²	9.4	48.5	140
31	3G1.5mm²	10.0	63.6	167
32	4G1.5mm²	10.9	79.5	201
33	5G1.5mm²	12.1	96.1	246
34	6G1.5mm²	13.1	112.3	288
35	7G1.5mm²	13.1	126.1	300
36	12G1.5mm²	16.3	204.3	484
37	25G1.5mm²	22.8	418.9	970
38	2X2.5mm²	11.1	70.8	199
39	3G2.5mm²	12.0	96.0	245
40	4G2.5mm²	13.1	121.6	296
41	5G2.5mm²	14.0	147.4	347
42	6G2.5mm²	15.0	173.4	402
43	7G2.5mm²	15.0	196.4	422
44	12G2.5mm²	20.0	324.1	742
45	18G2.5mm²	23.6	490.4	1070
46	25G2.5mm²	28.1	666.3	1496
47	2X4.0mm²	13.1	103.3	282
48	3G4.0mm²	13.7	142.1	334
49	4G4.0mm²	14.8	182.0	401
50	5G4.0mm²	16.1	222.3	483
51	2X6.0mm²	14.9	144.1	392
52	3G6.0mm²	15.7	201.2	464
53	4G6.0mm²	17.3	260.3	576
54	5G6.0mm²	19.1	319.9	702

控制电缆 CONTROL CABLE

02

PVC 护套柔性
屏蔽控制电缆
PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

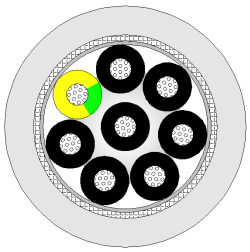
FNFLEX-KCY-PVC
FNFLEX-KYCY-PVC
FNFLEX-KCYO-PVC ➤
FNFLEX-KCY2-PVC
H05VVC4V5-K
CY
(N)YM(St)-J/(N)YM(St)-O
YSLCY
YCY
YSLWCY
AWM 2587-S
AWM 2501-S
AS NZS 5000.3 V -90/OS/5V-90



FNFLEX-KCYO-PVC

CE 认证 经济型耐油型 PVC 护套柔性屏蔽控制电缆

CE certified economical oil resistant PVC sheathed flexible shielded control cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
耐油性符合 EN50290-2-22(TM54) 标准；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制耐油 PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：线芯 / 线芯 4000V；线芯 / 屏蔽 2000V
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
EMC occasions;
Oil resistance meets EN50290-2-22 (TM54) standard;
Good peeling property;
Occasional movement.

Technical certification

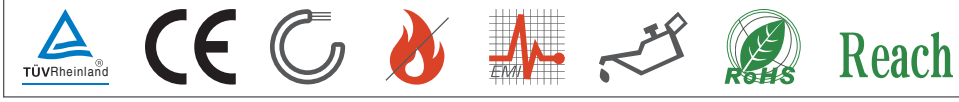
CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned copper braided shield, about 80% coverage;
Special oil resistant PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: wire core/wire core 4000V; Core/shield 2000V
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	54
2	3G0.5mm²	6.3	23.0	64
3	4G0.5mm²	6.7	28.5	75
4	5G0.5mm²	7.3	34.2	87
5	6G0.5mm²	8.0	40.0	105
6	7G0.5mm²	8.0	44.5	111
7	8G0.5mm²	8.5	53.2	127
8	10G0.5mm²	10.0	65.6	163
9	12G0.5mm²	10.3	75.4	180
10	14G0.5mm²	11.0	85.8	206
11	16G0.5mm²	11.5	96.2	227
12	18G0.5mm²	12.2	106.7	255
13	20G0.5mm²	12.7	117.3	278
14	24G0.5mm²	14.2	138.8	334
15	26G0.5mm²	14.2	147.8	347
16	28G0.5mm²	14.7	157.7	373
17	30G0.5mm²	15.1	168.0	395
18	32G0.5mm²	15.9	178.4	428
19	36G0.5mm²	16.4	198.0	465
20	37G0.5mm²	16.4	202.6	471
21	40G0.5mm²	17.7	219.1	525
22	42G0.5mm²	18.6	230.1	565
23	2X0.75mm²	6.4	23.4	64
24	3G0.75mm²	6.7	31.1	76
25	4G0.75mm²	7.2	39.1	91
26	5G0.75mm²	8.0	47.3	111
27	6G0.75mm²	8.6	58.5	131
28	7G0.75mm²	8.6	65.4	140
29	8G0.75mm²	9.4	74.0	162
30	10G0.75mm²	11.0	91.5	207
31	12G0.75mm²	11.3	106.2	230
32	14G0.75mm²	11.8	121.4	257
33	16G0.75mm²	12.6	136.7	291
34	18G0.75mm²	13.4	152.2	327
35	20G0.75mm²	14.0	167.6	357
36	24G0.75mm²	15.8	199.0	438
37	26G0.75mm²	15.8	212.8	455
38	28G0.75mm²	16.1	227.5	480
39	30G0.75mm²	16.6	242.7	509
40	32G0.75mm²	17.4	258.1	550
41	36G0.75mm²	18.2	287.3	609
42	37G0.75mm²	18.2	294.2	618
43	40G0.75mm²	19.6	318.3	687
44	42G0.75mm²	20.6	334.2	737
45	2X1.0mm²	6.9	29.2	75
46	3G1.0mm²	7.3	39.2	91
47	4G1.0mm²	7.8	49.7	109
48	5G1.0mm²	8.7	63.3	137
49	6G1.0mm²	9.6	74.3	163
50	7G1.0mm²	9.6	83.5	174
51	8G1.0mm²	10.2	94.6	197
52	10G1.0mm²	12.2	117.2	258
53	12G1.0mm²	12.5	136.6	288
54	14G1.0mm²	13.1	156.6	322
55	16G1.0mm²	14.0	176.8	365
56	18G1.0mm²	14.9	197.0	409
57	20G1.0mm²	15.5	217.3	447
58	24G1.0mm²	17.5	258.3	547
59	26G1.0mm²	17.5	276.8	570

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	602
61	30G1.0mm²	18.6	316.1	649
62	32G1.0mm²	19.3	336.3	689
63	36G1.0mm²	20.2	375.0	764
64	37G1.0mm²	20.2	384.2	776
65	40G1.0mm²	21.7	431.4	876
66	42G1.0mm²	22.8	453.0	938
67	2X1.5mm²	7.7	40.2	95
68	3G1.5mm²	8.1	55.0	117
69	4G1.5mm²	9.0	73.4	151
70	5G1.5mm²	10.0	89.2	184
71	6G1.5mm²	11.0	105.2	220
72	7G1.5mm²	11.0	119.0	236
73	8G1.5mm²	11.8	135.0	267
74	10G1.5mm²	14.0	167.6	349
75	12G1.5mm²	14.6	196.4	399
76	14G1.5mm²	15.3	225.9	448
77	16G1.5mm²	16.3	255.5	507
78	18G1.5mm²	17.3	285.3	568
79	20G1.5mm²	18.3	315.1	631
80	24G1.5mm²	20.3	375.4	758
81	26G1.5mm²	20.3	403.0	791
82	28G1.5mm²	20.7	431.8	836
83	30G1.5mm²	21.6	477.1	917
84	32G1.5mm²	22.6	507.4	986
85	36G1.5mm²	23.4	565.6	1078
86	37G1.5mm²	23.4	579.4	1095
87	2X2.5mm²	9.2	64.7	141
88	3G2.5mm²	9.9	89.2	182
89	4G2.5mm²	11.0	114.5	229
90	5G2.5mm²	11.9	140.0	272
91	6G2.5mm²	13.1	165.7	324
92	7G2.5mm²	13.1	188.8	352
93	8G2.5mm²	14.3	214.5	407
94	10G2.5mm²	17.2	266.7	538
95	12G2.5mm²	17.7	314.2	605
96	14G2.5mm²	18.8	362.6	692
97	16G2.5mm²	19.9	411.2	782
98	18G2.5mm²	20.9	459.9	864
99	20G2.5mm²	22.1	525.0	976
100	24G2.5mm²	25.0	625.3	1198
101	30G2.5mm²	26.6	768.5	1424
102	32G2.5mm²	27.7	817.9	1528
103	36G2.5mm²	28.9	913.6	1691
104	37G2.5mm²	28.9	936.7	1718
105	2X4.0mm²	10.8	96.2	199
106	3G4.0mm²	11.6	134.8	259
107	4G4.0mm²	12.9	174.4	327
108	5G4.0mm²	14.2	214.4	399
109	6G4.0mm²	15.6	254.5	476
110	7G4.0mm²	15.6	291.4	518
111	8G4.0mm²	17.0	331.6	579
112	2X6.0mm²	18.4	136.5	355
113	3G6.0mm²	18.4	193.4	427
114	4G6.0mm²	20.3	251.6	541
115	5G6.0mm²	21.9	310.2	651
116	6G6.0mm²	24.4	369.0	796
117	7G6.0mm²	24.4	423.9	859
118	8G6.0mm²	25.1	482.7	955

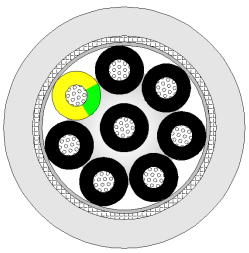
控制电缆 CONTROL CABLE

02

FNFLEX-KCY2-PVC

CE 认证 经济型耐热型 PVC 护套柔性屏蔽控制电缆

CE certified economical heat-resistant PVC sheathed flexible shielded control cable



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC ▶
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
优异的耐热老化性能；
电缆外径小，节约安装空间；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
EMC occasions;
Excellent heat aging resistance;
The outer diameter of the cable is small, saving installation space;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特制耐热 PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制耐热 PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

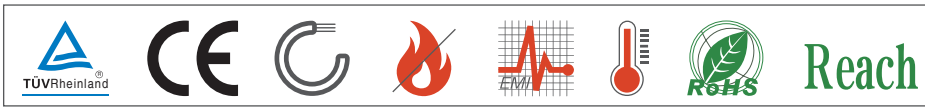
Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special heat-resistant PVC core wire insulation;
Tinned copper braided shield, about 80% coverage;
Special heat-resistant PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：线芯 / 线芯 4000V；线芯 / 屏蔽 2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: wire core/wire core 4000V; Core/shield 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+105 ℃ ;
Moved installation: - 15 to+105 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	54
2	3G0.5mm²	6.3	23.0	64
3	4G0.5mm²	6.7	28.5	75
4	5G0.5mm²	7.3	34.2	87
5	6G0.5mm²	8.0	40.0	105
6	7G0.5mm²	8.0	44.5	111
7	8G0.5mm²	8.5	53.2	127
8	10G0.5mm²	10.0	65.6	163
9	12G0.5mm²	10.3	75.4	180
10	14G0.5mm²	11.0	85.8	206
11	16G0.5mm²	11.5	96.2	227
12	18G0.5mm²	12.2	106.7	255
13	20G0.5mm²	12.7	117.3	278
14	24G0.5mm²	14.2	138.8	334
15	26G0.5mm²	14.2	147.8	347
16	28G0.5mm²	14.7	157.7	373
17	30G0.5mm²	15.1	168.0	395
18	32G0.5mm²	15.9	178.4	428
19	36G0.5mm²	16.4	198.0	465
20	37G0.5mm²	16.4	202.6	471
21	40G0.5mm²	17.7	219.1	525
22	42G0.5mm²	18.6	230.1	565
23	2X0.75mm²	6.4	23.4	64
24	3G0.75mm²	6.7	31.1	76
25	4G0.75mm²	7.2	39.1	91
26	5G0.75mm²	8.0	47.3	111
27	6G0.75mm²	8.6	58.5	131
28	7G0.75mm²	8.6	65.4	140
29	8G0.75mm²	9.4	74.0	162
30	10G0.75mm²	11.0	91.5	207
31	12G0.75mm²	11.3	106.2	230
32	14G0.75mm²	11.8	121.4	257
33	16G0.75mm²	12.6	136.7	291
34	18G0.75mm²	13.4	152.2	327
35	20G0.75mm²	14.0	167.6	357
36	24G0.75mm²	15.8	199.0	438
37	26G0.75mm²	15.8	212.8	455
38	28G0.75mm²	16.1	227.5	480
39	30G0.75mm²	16.6	242.7	509
40	32G0.75mm²	17.4	258.1	550
41	36G0.75mm²	18.2	287.3	609
42	37G0.75mm²	18.2	294.2	618
43	40G0.75mm²	19.6	318.3	687
44	42G0.75mm²	20.6	334.2	737
45	2X1.0mm²	6.9	29.2	75
46	3G1.0mm²	7.3	39.2	91
47	4G1.0mm²	7.8	49.7	109
48	5G1.0mm²	8.7	63.3	137
49	6G1.0mm²	9.6	74.3	163
50	7G1.0mm²	9.6	83.5	174
51	8G1.0mm²	10.2	94.6	197
52	10G1.0mm²	12.2	117.2	258
53	12G1.0mm²	12.5	136.6	288
54	14G1.0mm²	13.1	156.6	322
55	16G1.0mm²	14.0	176.8	365
56	18G1.0mm²	14.9	197.0	409
57	20G1.0mm²	15.5	217.3	447
58	24G1.0mm²	17.5	258.3	547
59	26G1.0mm²	17.5	276.8	570

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	602
61	30G1.0mm²	18.6	316.1	649
62	32G1.0mm²	19.3	336.3	689
63	36G1.0mm²	20.2	375.0	764
64	37G1.0mm²	20.2	384.2	776
65	40G1.0mm²	21.7	431.4	876
66	42G1.0mm²	22.8	453.0	938
67	2X1.5mm²	7.7	40.2	95
68	3G1.5mm²	8.1	55.0	117
69	4G1.5mm²	9.0	73.4	151
70	5G1.5mm²	10.0	89.2	184
71	6G1.5mm²	11.0	105.2	220
72	7G1.5mm²	11.0	119.0	236
73	8G1.5mm²	11.8	135.0	267
74	10G1.5mm²	14.0	167.6	349
75	12G1.5mm²	14.6	196.4	399
76	14G1.5mm²	15.3	225.9	448
77	16G1.5mm²	16.3	255.5	507
78	18G1.5mm²	17.3	285.3	568
79	20G1.5mm²	18.3	315.1	631
80	24G1.5mm²	20.3	375.4	758
81	26G1.5mm²	20.3	403.0	791
82	28G1.5mm²	20.7	431.8	836
83	30G1.5mm²	21.6	477.1	917
84	32G1.5mm²	22.6	507.4	986
85	36G1.5mm²	23.4	565.6	1078
86	37G1.5mm²	23.4	579.4	1095
87	2X2.5mm²	9.2	64.7	141
88	3G2.5mm²	9.9	89.2	182
89	4G2.5mm²	11.0	114.5	229
90	5G2.5mm²	11.9	140.0	272
91	6G2.5mm²	13.1	165.7	324
92	7G2.5mm²	13.1	188.8	352
93	8G2.5mm²	14.3	214.5	407
94	10G2.5mm²	17.2	266.7	538
95	12G2.5mm²	17.7	314.2	605
96	14G2.5mm²	18.8	362.6	692
97	16G2.5mm²	19.9	411.2	782
98	18G2.5mm²	20.9	459.9	864
99	20G2.5mm²	22.1	525.0	976
100	24G2.5mm²	25.0	625.3	1198
101	30G2.5mm²	26.6	768.5	1424
102	32G2.5mm²	27.7	817.9	1528
103	36G2.5mm²	28.9	913.6	1691
104	37G2.5mm²	28.9	936.7	1718
105	2X4.0mm²	10.8	96.2	199
106	3G4.0mm²	11.6	134.8	259
107	4G4.0mm²	12.9	174.4	327
108	5G4.0mm²	14.2	214.4	399
109	6G4.0mm²	15.6	254.5	476
110	7G4.0mm²	15.6	291.4	518
111	8G4.0mm²	17.0	331.6	579
112	2X6.0mm²	18.4	136.5	355
113	3G6.0mm²	18.4	193.4	427
114	4G6.0mm²	20.3	251.6	541
115	5G6.0mm²	21.9	310.2	651
116	6G6.0mm²	24.4	369.0	796
117	7G6.0mm²	24.4	423.9	859
118	8G6.0mm²	25.1	482.7	955

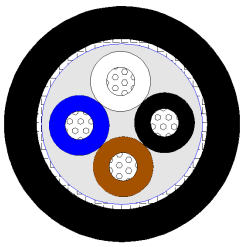
控制电缆 CONTROL CABLE

02

H05VVC4V5-K

CE 认证 标准型 PVC 护套柔性屏蔽控制电缆，双护套

CE certified standard PVC sheathed flexible shield control cable, double sheathed



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。特别适合需要抗电磁干扰的环境，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
高度耐油，符合 EN50363-4-1(TM5) 标准；
电磁兼容 EMC 场合；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 内护套，灰色；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
特制耐油 PVC 外护套；
外护套透明或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：3000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：15X 电缆直径。

Scope of application

These control cables can be used for power, control and connecting lines, and are widely used in electrical equipment and other occasions. It is especially suitable for the environment requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. UV protection is required for outdoor use. It is not suitable for direct burial underground.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Highly oil resistant, conform to EN50363-4-1 (TM5) standard;
EMC occasions;
Harmonized standards in Europe, highly recognized by EU;
Good peeling property;
Occasional movement.

Technical certification

CE certification,TUV certification;
CE Low Voltage Regulation 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
PVC inner sheath, color:grey;
Tinned copper wire braided shield, about 80% coverage;
Special oil resistant PVC outer sheath;
Outer sheath color:transparent or grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	8.0	23.2	89
2	3G0.5mm²	8.3	28.5	100
3	4G0.5mm²	9.1	34.4	119
4	5G0.5mm²	9.7	44.1	141
5	6G0.5mm²	10.7	51.1	170
6	7G0.5mm²	10.7	55.6	174
7	12G0.5mm²	13.7	86.1	290
8	18G0.5mm²	15.7	118.6	385
9	27G0.5mm²	18.5	167.2	541
10	36G0.5mm²	20.7	213.3	681
11	2X0.75mm²	8.4	28.9	101
12	3G0.75mm²	8.8	36.7	115
13	4G0.75mm²	9.6	48.7	142
14	5G0.75mm²	10.6	58.2	174
15	6G0.75mm²	11.3	67.1	199
16	7G0.75mm²	11.3	74.0	205
17	12G0.75mm²	14.8	117.1	351
18	18G0.75mm²	16.7	164.3	462
19	27G0.75mm²	20.0	235.0	664
20	36G0.75mm²	22.5	303.6	850
21	2X1.0mm²	8.8	34.5	113
22	3G1.0mm²	9.4	48.2	138
23	4G1.0mm²	10.4	59.9	172
24	5G1.0mm²	11.4	71.3	204
25	6G1.0mm²	12.1	82.7	233
26	7G1.0mm²	12.1	91.9	241
27	12G1.0mm²	15.6	147.2	406
28	18G1.0mm²	18.1	209.3	559
29	27G1.0mm²	21.8	301.5	812

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	36G1.0mm²	24.5	411.4	1057
31	2X1.5mm²	10.2	50.6	158
32	3G1.5mm²	10.9	65.9	187
33	4G1.5mm²	11.8	82.0	226
34	5G1.5mm²	13.1	98.9	276
35	6G1.5mm²	14.2	115.4	324
36	7G1.5mm²	14.2	129.2	336
37	12G1.5mm²	17.9	208.6	545
38	18G1.5mm²	21.4	300.3	786
39	27G1.5mm²	25.7	456.7	1159
40	36G1.5mm²	28.8	591.9	1475
41	2X2.5mm²	11.8	72.6	216
42	3G2.5mm²	12.8	98.0	265
43	4G2.5mm²	13.9	123.7	321
44	5G2.5mm²	14.9	149.8	377
45	6G2.5mm²	16.0	176.1	437
46	7G2.5mm²	16.0	199.1	457
47	12G2.5mm²	21.4	327.8	806
48	18G2.5mm²	25.2	496.3	1161
49	27G2.5mm²	30.6	721.7	1705
50	36G2.5mm²	34.4	941.9	2186
51	2X4.0mm²	13.6	104.5	295
52	3G4.0mm²	14.3	143.4	350
53	4G4.0mm²	15.3	183.5	420
54	5G4.0mm²	16.7	223.9	505
55	2X6.0mm²	15.4	145.2	407
56	3G6.0mm²	16.2	202.5	482
57	4G6.0mm²	17.9	261.8	598
58	5G6.0mm²	19.7	321.5	728

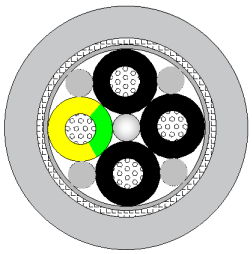
控制电缆 CONTROL CABLE

02

CY

CE 认证 300V/500V PVC 护套工业柔性屏蔽控制电缆

CE certified 300V/500V PVC sheathed industrial flexible shielded control cable



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

FNFLEX-KCY-PVC
FNFLEX-KYCY-PVC
FNFLEX-KCYO-PVC
FNFLEX-KCY2-PVC
H05VVC4V5-K
CY
(N)YM(St)-J/(N)YM(St)-O
YSLCY
YCY
YSLWCY
AWM 2587-S
AWM 2501-S
AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference. UV protection is required for outdoor use. Not suitable for direct underground burial.

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Suitable for electromagnetic compatibility (EMC) occasions;
Good peelability;
Suitable for occasional movement.

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to IEC60227-5 and EN50525-2-51;
RoHS, REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
PVC inner sheath, color:grey;
Tinned copper wire braided shield, about 80% coverage;
Special oil resistant PVC outer sheath;
Outer sheath color:transparent or grey (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

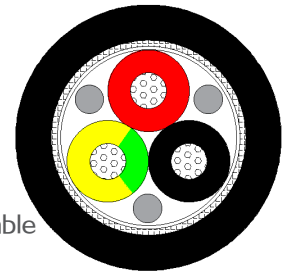
控制电缆 CONTROL CABLE

02

(N)YM(St)-J
(N)YM(St)-O

CE 认证 300V/500V PVC 护套安装屏蔽控制电缆

CE certified 300V/500V PVC sheathed installation shielded control cable



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O ▶
- YSLCY
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，室外使用需要防紫外线保护。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference. UV protection is required for outdoor use. Not suitable for direct underground burial.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
良好的剥离性；
偶尔移动；
-J 表示有黄 / 绿地线， -O 表示无黄 / 绿地线。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Suitable for electromagnetic compatibility (EMC) occasions;
Good peelability;
Suitable for occasional movement;
-J indicates with yellow/green earth wire;
-O indicates without yellow/green earth wire.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 IEC60227-5 和 VDE 0250；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to IEC60227-5 and VDE 0250;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Tinned copper braided shield with approximately 80% coverage;
PVC outer sheath;
Outer sheath color: gray (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
温度范围：固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
　　偶尔移动：20X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Temperature range:
　Fixed installation: -40 to +70℃ ;
　Mobile installation: -5 to +70℃ ;
Minimum bending radius:
　Fixed installation: 6X cable diameter;
　Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

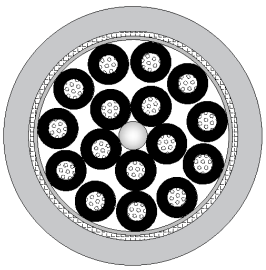
控制电缆 CONTROL CABLE

02

YSLCY

CE 认证 300V/500V 耐油性 PVC 护套工业柔性屏蔽控制电缆

CE certified 300V/500V oil-resistant PVC sheathed industrial flexible shielded control cable



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY ➤
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
高度耐油，符合 EN50363-4-1(TM5) 标准；
电磁兼容 EMC 场合；
良好的剥离性；
偶尔移动。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-51；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制耐油 PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
High oil resistance, conform to EN50363-4-1 (TM5) standard;
Suitable for electromagnetic compatibility (EMC) occasions;
Good peelability;
Suitable for occasional movement.

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-51;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
PVC core insulation;
Tinned copper braided shield with approximately 80% coverage;
Special oil-resistant PVC outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

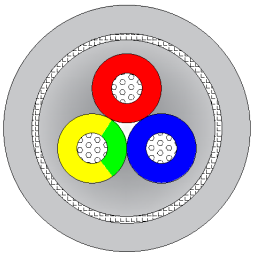
控制电缆 CONTROL CABLE

02

YCY

CE 认证 300V/500V PVC 护套柔性工业屏蔽控制电缆，双护套

CE certified 300V/500V PVC sheathed flexible industrial shielded control cable, double sheath



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY ▶
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。特别适合需要抗电磁干扰的环境，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are particularly suitable for environments requiring anti-electromagnetic interference, and are applicable to fixed installations as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Suitable for electromagnetic compatibility (EMC) occasions;
Harmonized European standard with high recognition in the EU;
Good peelability;
Suitable for occasional movement.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-51;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类
PVC 芯线绝缘
PVC 内护套，灰色
镀锡铜丝编织屏蔽，大约 80% 覆盖率 PVC 外护套
外护套透明或灰色（RAL7001）

Cable structure

Stranded bare copper，conform to IEC60228, Class 5
PVC core insulation
PVC inner sheath, gray
Tinned copper wire braided shield with approximately 80% coverage
PVC outer sheath
Outer sheath color: transparent or gray (RAL7001)

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	8.0	23.2	89
2	3G0.5mm²	8.3	28.5	100
3	4G0.5mm²	9.1	34.4	119
4	5G0.5mm²	9.7	44.1	141
5	6G0.5mm²	10.7	51.1	170
6	7G0.5mm²	10.7	55.6	174
7	12G0.5mm²	13.7	86.1	290
8	18G0.5mm²	15.7	118.6	385
9	27G0.5mm²	18.5	167.2	541
10	36G0.5mm²	20.7	213.3	681
11	2X0.75mm²	8.4	28.9	101
12	3G0.75mm²	8.8	36.7	115
13	4G0.75mm²	9.6	48.7	142
14	5G0.75mm²	10.6	58.2	174
15	6G0.75mm²	11.3	67.1	199
16	7G0.75mm²	11.3	74.0	205
17	12G0.75mm²	14.8	117.1	351
18	18G0.75mm²	16.7	164.3	462
19	27G0.75mm²	20.0	235.0	664
20	36G0.75mm²	22.5	303.6	850
21	2X1.0mm²	8.8	34.5	113
22	3G1.0mm²	9.4	48.2	138
23	4G1.0mm²	10.4	59.9	172
24	5G1.0mm²	11.4	71.3	204
25	6G1.0mm²	12.1	82.7	233
26	7G1.0mm²	12.1	91.9	241
27	12G1.0mm²	15.6	147.2	406
28	18G1.0mm²	18.1	209.3	559
29	27G1.0mm²	21.8	301.5	812

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	36G1.0mm²	24.5	411.4	1057
31	2X1.5mm²	10.2	50.6	158
32	3G1.5mm²	10.9	65.9	187
33	4G1.5mm²	11.8	82.0	226
34	5G1.5mm²	13.1	98.9	276
35	6G1.5mm²	14.2	115.4	324
36	7G1.5mm²	14.2	129.2	336
37	12G1.5mm²	17.9	208.6	545
38	18G1.5mm²	21.4	300.3	786
39	27G1.5mm²	25.7	456.7	1159
40	36G1.5mm²	28.8	591.9	1475
41	2X2.5mm²	11.8	72.6	216
42	3G2.5mm²	12.8	98.0	265
43	4G2.5mm²	13.9	123.7	321
44	5G2.5mm²	14.9	149.8	377
45	6G2.5mm²	16.0	176.1	437
46	7G2.5mm²	16.0	199.1	457
47	12G2.5mm²	21.4	327.8	806
48	18G2.5mm²	25.2	496.3	1161
49	27G2.5mm²	30.6	721.7	1705
50	36G2.5mm²	34.4	941.9	2186
51	2X4.0mm²	13.6	104.5	295
52	3G4.0mm²	14.3	143.4	350
53	4G4.0mm²	15.3	183.5	420
54	5G4.0mm²	16.7	223.9	505
55	2X6.0mm²	15.4	145.2	407
56	3G6.0mm²	16.2	202.5	482
57	4G6.0mm²	17.9	261.8	598
58	5G6.0mm²	19.7	321.5	728

控制电缆 CONTROL CABLE

02

PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

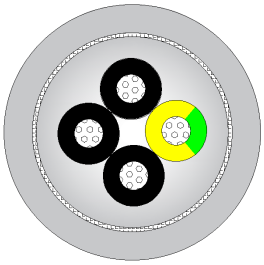
- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY
- YSLWCY ➤
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V -90/OS/5V-90



YSLWCY

CE 认证 300V/500V 耐油性 PVC 护套柔性屏蔽控制电缆，双护套

CE certified 300V/500V oil-resistant PVC sheathed flexible shielded control cable, double sheath



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。特别适合需要抗电磁干扰的环境，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are particularly suitable for environments requiring anti-electromagnetic interference, and are applicable to fixed installations as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
高度耐油，符合 EN50363-4-1(TM5) 标准；
电磁兼容 EMC 场合；
欧洲统一协调标准，欧盟认可度高；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
High oil resistance, conform to EN50363-4-1 (TM5) standard;
Suitable for electromagnetic compatibility (EMC) occasions;
Harmonized European standard with high recognition in the EU;
Good peelability;
Suitable for occasional movement.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-51;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
PVC 内护套，灰色；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
特制耐油 PVC 外护套；
外护套透明或灰色（RAL7001）。

Cable structure

Stranded bare copper，conform to IEC60228, Class 5;
PVC core insulation;
PVC inner sheath, gray;
Tinned copper wire braided shield with approximately 80% coverage;
Special oil-resistant PVC outer sheath;
Outer sheath color: transparent or gray (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	8.0	23.2	89
2	3G0.5mm²	8.3	28.5	100
3	4G0.5mm²	9.1	34.4	119
4	5G0.5mm²	9.7	44.1	141
5	6G0.5mm²	10.7	51.1	170
6	7G0.5mm²	10.7	55.6	174
7	12G0.5mm²	13.7	86.1	290
8	18G0.5mm²	15.7	118.6	385
9	27G0.5mm²	18.5	167.2	541
10	36G0.5mm²	20.7	213.3	681
11	2X0.75mm²	8.4	28.9	101
12	3G0.75mm²	8.8	36.7	115
13	4G0.75mm²	9.6	48.7	142
14	5G0.75mm²	10.6	58.2	174
15	6G0.75mm²	11.3	67.1	199
16	7G0.75mm²	11.3	74.0	205
17	12G0.75mm²	14.8	117.1	351
18	18G0.75mm²	16.7	164.3	462
19	27G0.75mm²	20.0	235.0	664
20	36G0.75mm²	22.5	303.6	850
21	2X1.0mm²	8.8	34.5	113
22	3G1.0mm²	9.4	48.2	138
23	4G1.0mm²	10.4	59.9	172
24	5G1.0mm²	11.4	71.3	204
25	6G1.0mm²	12.1	82.7	233
26	7G1.0mm²	12.1	91.9	241
27	12G1.0mm²	15.6	147.2	406
28	18G1.0mm²	18.1	209.3	559
29	27G1.0mm²	21.8	301.5	812

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
30	36G1.0mm²	24.5	411.4	1057
31	2X1.5mm²	10.2	50.6	158
32	3G1.5mm²	10.9	65.9	187
33	4G1.5mm²	11.8	82.0	226
34	5G1.5mm²	13.1	98.9	276
35	6G1.5mm²	14.2	115.4	324
36	7G1.5mm²	14.2	129.2	336
37	12G1.5mm²	17.9	208.6	545
38	18G1.5mm²	21.4	300.3	786
39	27G1.5mm²	25.7	456.7	1159
40	36G1.5mm²	28.8	591.9	1475
41	2X2.5mm²	11.8	72.6	216
42	3G2.5mm²	12.8	98.0	265
43	4G2.5mm²	13.9	123.7	321
44	5G2.5mm²	14.9	149.8	377
45	6G2.5mm²	16.0	176.1	437
46	7G2.5mm²	16.0	199.1	457
47	12G2.5mm²	21.4	327.8	806
48	18G2.5mm²	25.2	496.3	1161
49	27G2.5mm²	30.6	721.7	1705
50	36G2.5mm²	34.4	941.9	2186
51	2X4.0mm²	13.6	104.5	295
52	3G4.0mm²	14.3	143.4	350
53	4G4.0mm²	15.3	183.5	420
54	5G4.0mm²	16.7	223.9	505
55	2X6.0mm²	15.4	145.2	407
56	3G6.0mm²	16.2	202.5	482
57	4G6.0mm²	17.9	261.8	598
58	5G6.0mm²	19.7	321.5	728

控制电缆 CONTROL CABLE

02

PVC 护套柔性屏蔽控制电缆
PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

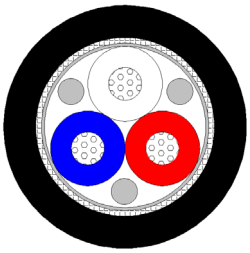
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FNFLEX-KYCY-PVC
FNFLEX-KCYO-PVC
FNFLEX-KCY2-PVC
H05VVC4V5-K
CY
(N)YM(St)-J/(N)YM(St)-O
YSLCY
YCY
YSLWCY
AWM 2587-S
AWM 2501-S
AS NZS 5000.3 V -90/OS/5V-90



AWM 2587-S

UL/CUL 认证 PVC 护套柔性屏蔽控制电缆

UL/CUL Certified PVC Sheathed Flexible Shielded Control Cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
电磁兼容 EMC 场合；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2587，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE 芯线绝缘材质可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：−40 至+ 90℃；
移动安装：−5 至+ 90℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
Widely recognized in the North American market;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2587, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
PVC/TPE core wire insulation material is optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+90 ℃ ;
Moved installation: − 5 to+90 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	6.5	20.5	61
2	3G20AWG	6.8	26.2	72
3	4G20AWG	7.6	32.5	90
4	5G20AWG	8.1	41.8	108
5	6G20AWG	9.0	48.6	127
6	7G20AWG	9.6	55.3	144
7	8G20AWG	10.5	62.4	176
8	10G20AWG	11.4	74.4	195
9	12G20AWG	11.7	85.2	216
10	16G20AWG	13.0	108.3	273
11	18G20AWG	13.9	120.0	307
12	20G20AWG	14.5	131.7	334
13	24G20AWG	16.1	155.7	410
14	30G20AWG	17.2	187.9	468
15	36G20AWG	18.6	221.0	551
16	40G20AWG	20.0	260.4	643
17	2X18AWG	7.0	27.4	73
18	3G18AWG	7.5	36.1	92
19	4G18AWG	8.4	48.3	118
20	5G18AWG	9.0	58.1	138
21	6G18AWG	9.9	67.9	162
22	7G18AWG	10.6	77.7	191
23	8G18AWG	11.6	87.9	225
24	10G18AWG	12.6	105.9	250
25	12G18AWG	12.9	122.5	278
26	16G18AWG	14.4	157.3	353
27	18G18AWG	15.1	175.0	388
28	20G18AWG	16.0	192.6	440
29	24G18AWG	17.8	228.5	532
30	30G18AWG	19.0	278.1	610
31	36G18AWG	20.5	345.2	736
32	40G18AWG	22.1	381.8	835
33	2X16AWG	7.8	40.3	96
34	3G16AWG	8.2	53.5	117
35	4G16AWG	9.1	67.6	147
36	5G16AWG	10.0	81.8	179
37	6G16AWG	11.0	96.2	210
38	7G16AWG	12.0	110.5	254
39	8G16AWG	13.1	125.3	298
40	10G16AWG	13.8	152.1	318
41	12G16AWG	14.4	177.4	364
42	16G16AWG	15.8	229.8	456
43	18G16AWG	16.8	256.2	512
44	20G16AWG	17.8	282.6	579
45	25G16AWG	19.8	348.3	693

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	23.0	507.1	986
47	2X14AWG	8.8	56.5	125
48	3G14AWG	9.3	76.9	156
49	4G14AWG	10.2	98.2	197
50	5G14AWG	11.3	119.8	240
51	6G14AWG	12.4	141.4	282
52	7G14AWG	13.5	163.1	340
53	8G14AWG	14.6	185.2	391
54	10G14AWG	15.8	226.4	439
55	12G14AWG	16.3	265.7	495
56	16G14AWG	18.1	346.6	634
57	18G14AWG	19.2	387.3	712
58	20G14AWG	20.3	444.3	820
59	24G14AWG	22.8	528.6	1002
60	2X12AWG	9.8	81.7	163
61	3G12AWG	10.5	113.4	213
62	4G12AWG	11.7	146.3	270
63	5G12AWG	12.9	179.4	329
64	6G12AWG	14.1	212.6	387
65	7G12AWG	15.4	245.9	468
66	8G12AWG	16.8	279.6	547
67	10G12AWG	18.2	343.5	617
68	12G12AWG	18.7	405.4	699
69	16G12AWG	20.9	548.4	917
70	2X10AWG	12.0	124.2	236
71	3G10AWG	12.9	174.8	309
72	4G10AWG	14.2	227.0	394
73	5G10AWG	15.7	279.3	497
74	2X8AWG	15.0	189.7	363
75	3G8AWG	16.0	270.1	478
76	4G8AWG	17.6	352.4	599
77	5G8AWG	19.3	450.4	776
78	2X6AWG	19.2	307.2	582
79	3G6AWG	20.5	435.0	768
80	4G6AWG	23.0	566.3	991
81	5G6AWG	25.5	697.9	1272
82	2X4AWG	22.6	476.8	849
83	3G4AWG	24.3	684.6	1145
84	4G4AWG	26.7	896.7	1448
85	5G4AWG	30.0	1109.1	1889
86	2X2AWG	26.6	683.2	1196
87	3G2AWG	28.2	988.9	1586
88	4G2AWG	31.8	1299.5	2085
89	5G2AWG	35.2	1610.5	2664

控制电缆 CONTROL CABLE

02

PVC 护套柔性屏蔽控制电缆
PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

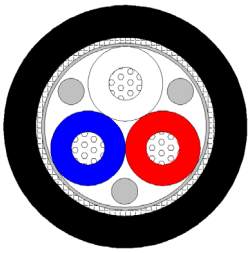
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FNFLEX-KYCY-PVC
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FNFLEX-KCY2-PVC
H05VVC4V5-K
CY
(N)YM(St)-J/(N)YM(St)-O
YSLCY
YCY
YSLWCY
AWM 2587-S
AWM 2501-S
AS NZS 5000.3 V
-90/OS/5V-90



AWM 2501-S

UL/CUL 认证 耐热型 PVC 护套柔性屏蔽控制电缆

UL/CUL certified heat-resistant PVC sheathed flexible shield control cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
电磁兼容 EMC 场合；
北美市场广泛认可；
优异的耐热老化性能；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2501，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/ 耐热 TPE 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
Widely recognized in the North American market;
Excellent heat aging resistance;
Good peeling property;
Occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2501, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
PVC/Heat-resistant TPE core wire insulation is optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+105 ℃ ;
Moved installation: - 15 to+105 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	6.5	20.5	61
2	3G20AWG	6.8	26.2	72
3	4G20AWG	7.6	32.5	90
4	5G20AWG	8.1	41.8	108
5	6G20AWG	9.0	48.6	127
6	7G20AWG	9.6	55.3	144
7	8G20AWG	10.5	62.4	176
8	10G20AWG	11.4	74.4	195
9	12G20AWG	11.7	85.2	216
10	16G20AWG	13.0	108.3	273
11	18G20AWG	13.9	120.0	307
12	20G20AWG	14.5	131.7	334
13	24G20AWG	16.1	155.7	410
14	30G20AWG	17.2	187.9	468
15	36G20AWG	18.6	221.0	551
16	40G20AWG	20.0	260.4	643
17	2X18AWG	7.0	27.4	73
18	3G18AWG	7.5	36.1	92
19	4G18AWG	8.4	48.3	118
20	5G18AWG	9.0	58.1	138
21	6G18AWG	9.9	67.9	162
22	7G18AWG	10.6	77.7	191
23	8G18AWG	11.6	87.9	225
24	10G18AWG	12.6	105.9	250
25	12G18AWG	12.9	122.5	278
26	16G18AWG	14.4	157.3	353
27	18G18AWG	15.1	175.0	388
28	20G18AWG	16.0	192.6	440
29	24G18AWG	17.8	228.5	532
30	30G18AWG	19.0	278.1	610
31	36G18AWG	20.5	345.2	736
32	40G18AWG	22.1	381.8	835
33	2X16AWG	7.8	40.3	96
34	3G16AWG	8.2	53.5	117
35	4G16AWG	9.1	67.6	147
36	5G16AWG	10.0	81.8	179
37	6G16AWG	11.0	96.2	210
38	7G16AWG	12.0	110.5	254
39	8G16AWG	13.1	125.3	298
40	10G16AWG	13.8	152.1	318
41	12G16AWG	14.4	177.4	364
42	16G16AWG	15.8	229.8	456
43	18G16AWG	16.8	256.2	512
44	20G16AWG	17.8	282.6	579
45	25G16AWG	19.8	348.3	693

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	23.0	507.1	986
47	2X14AWG	8.8	56.5	125
48	3G14AWG	9.3	76.9	156
49	4G14AWG	10.2	98.2	197
50	5G14AWG	11.3	119.8	240
51	6G14AWG	12.4	141.4	282
52	7G14AWG	13.5	163.1	340
53	8G14AWG	14.6	185.2	391
54	10G14AWG	15.8	226.4	439
55	12G14AWG	16.3	265.7	495
56	16G14AWG	18.1	346.6	634
57	18G14AWG	19.2	387.3	712
58	20G14AWG	20.3	444.3	820
59	24G14AWG	22.8	528.6	1002
60	2X12AWG	9.8	81.7	163
61	3G12AWG	10.5	113.4	213
62	4G12AWG	11.7	146.3	270
63	5G12AWG	12.9	179.4	329
64	6G12AWG	14.1	212.6	387
65	7G12AWG	15.4	245.9	468
66	8G12AWG	16.8	279.6	547
67	10G12AWG	18.2	343.5	617
68	12G12AWG	18.7	405.4	699
69	16G12AWG	20.9	548.4	917
70	2X10AWG	12.0	124.2	236
71	3G10AWG	12.9	174.8	309
72	4G10AWG	14.2	227.0	394
73	5G10AWG	15.7	279.3	497
74	2X8AWG	15.0	189.7	363
75	3G8AWG	16.0	270.1	478
76	4G8AWG	17.6	352.4	599
77	5G8AWG	19.3	450.4	776
78	2X6AWG	19.2	307.2	582
79	3G6AWG	20.5	435.0	768
80	4G6AWG	23.0	566.3	991
81	5G6AWG	25.5	697.9	1272
82	2X4AWG	22.6	476.8	849
83	3G4AWG	24.3	684.6	1145
84	4G4AWG	26.7	896.7	1448
85	5G4AWG	30.0	1109.1	1889
86	2X2AWG	26.6	683.2	1196
87	3G2AWG	28.2	988.9	1586
88	4G2AWG	31.8	1299.5	2085
89	5G2AWG	35.2	1610.5	2664

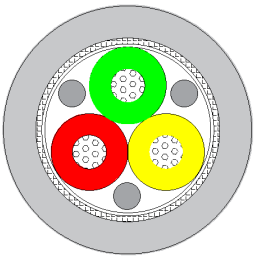
控制电缆 CONTROL CABLE

02

AN-NZS 5000.3 V-90 OS 5V-90

SAA 认证 PVC 绝缘屏蔽护套线

SAA Certified PVC Insulated Shielded Sheathed Cable



PVC 护套柔性屏蔽控制电缆

PVC SHEATHED FLEXIBLE SHIELD CONTROL CABLE

- FNFLEX-KCY-PVC
- FNFLEX-KYCY-PVC
- FNFLEX-KCYO-PVC
- FNFLEX-KCY2-PVC
- H05VVC4V5-K
- CY
- (N)YM(St)-J/(N)YM(St)-O
- YSLCY
- YCY
- YSLWCY
- AWM 2587-S
- AWM 2501-S
- AS NZS 5000.3 V-90/OS/5V-90 ▶



应用范围

适用于各类工业生产场所，可连接工业自动化设备、机床、电机等，实现对设备的控制和参数监测，也可用于工业开关设备安装，确保开关设备的正常操作与控制。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

Suitable for various industrial production sites. It can connect industrial automation equipment, machine tools, motors, etc., to realize equipment control and parameter monitoring. It can also be used for the installation of industrial switchgear, ensure the normal operation and control of switchgear. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2；
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High shielding efficiency, anti-electromagnetic interference.

技术认证

SAA 认证；
符合 AS/NZS 5000.3；
RoHS，REACH。

Technical certification

SAA certification;
conform to AS/NZS 5000.3;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808；
镀锡铜编织屏蔽，密度 80% 以上；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

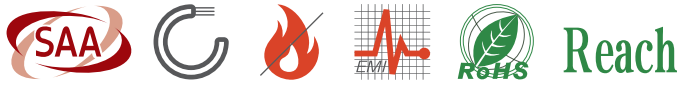
Bare copper, conform to AS/NZS 1125 standard (Class 5);
V-90 core insulation, conform to AS/NZS 3808;
Tinned copper braided shield, with a density of over 80%;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.3 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：450/750V；
测试电压：2500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.3 requirements;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 450/750V;
Test voltage: 2500V/5min;
Temperature range: Fixed installation: -15 to +90℃ ;
Minimum bending radius: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	7.6	19.884	78.028
2	2X0.75mm²	8.2	26.089	92.179
3	2X1.0mm²	8.4	31.152	99.314
4	2X1.5mm²	9	40.779	116.665
5	2X2.5mm²	10.4	67.151	164.126
6	2X4.0mm²	11.8	98.781	218.009
7	2X6.0mm²	13	137.104	275.4
8	2X10mm²	17.2	224.124	455.198
9	2X16mm²	20	356.47	651.279
10	3X0.5mm²	7.9	25.175	89.605
11	3X0.75mm²	8.6	36.734	110.404
12	3X1.0mm²	8.8	44.179	120.041
13	3X1.5mm²	9.4	59.698	144.327
14	3X2.5mm²	10.9	91.597	200.878
15	3X4.0mm²	12.5	137.232	272.336
16	3X6.0mm²	13.7	193.145	349.917
17	3X10mm²	18.6	318.991	600.711
18	3X16mm²	21.2	507.915	840.363
19	4X0.5mm²	8.5	33.867	107.234
20	4X0.75mm²	9.2	45.329	129.779
21	4X1.0mm²	9.4	55.205	142.159
22	4X1.5mm²	10.2	75.677	173.043
23	4X2.5mm²	11.8	117.082	244.233
24	4X4.0mm²	13.5	177.182	335.522
25	4X6.0mm²	15.4	250.807	450.165
26	4X10mm²	20.5	432.688	766.397
27	4X16mm²	23.4	662.581	1065.685
28	5X0.5mm²	9.1	40.109	123.367
29	5X0.75mm²	9.9	54.253	150.661
30	5X1.0mm²	10.2	66.431	165.733
31	5X1.5mm²	11	91.647	203.257
32	5X2.5mm²	12.9	142.878	290.078
33	5X4.0mm²	15.1	217.113	416.444
34	5X6.0mm²	16.8	308.859	540.875
35	5X10mm²	22.6	531.685	933.659
36	5X16mm²	26	818.776	1309.686
37	6X0.5mm²	9.7	46.391	140.23
38	6X0.75mm²	10.6	63.178	172.408
39	6X1.0mm²	10.9	77.757	190.336
40	6X1.5mm²	11.8	107.816	234.801
41	6X2.5mm²	13.9	168.813	337.737
42	6X4.0mm²	16.4	257.443	486.551
43	6X6.0mm²	18.6	366.921	652.833
44	7X0.5mm²	9.7	50.883	147.359
45	7X0.75mm²	10.6	70.023	182.464
46	7X1.0mm²	10.9	86.884	202.542
47	7X1.5mm²	11.8	121.525	251.842
48	7X2.5mm²	13.9	191.629	365.416
49	7X4.0mm²	16.4	293.984	529.217
50	7X6.0mm²	18.6	420.822	713.265
51	8X0.5mm²	10.5	58.045	168.29
52	8X0.75mm²	11.5	79.837	208.596
53	8X1.0mm²	11.9	99.01	231.545
54	8X1.5mm²	12.9	138.455	288.076
55	8X2.5mm²	15.6	218.324	433.804
56	8X4.0mm²	17.9	334.924	605.835
57	8X6.0mm²	20.5	496.274	834.649
58	9X0.5mm²	11.2	64.326	186.191
59	9X0.75mm²	12.3	88.762	231.66
60	9X1.0mm²	12.6	110.276	257.505
61	9X1.5mm²	13.7	154.604	321.342
62	9X2.5mm²	16.6	244.24	485.131

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
63	9X4.0mm²	19.8	391.165	716.569
64	9X6.0mm²	22.1	556.116	947.314
65	10X0.5mm²	12.8	71.518	226.27
66	10X0.75mm²	14	98.577	279.126
67	10X1.0mm²	14.4	122.582	308.779
68	10X1.5mm²	15.8	171.793	390.021
69	10X2.5mm²	18.8	271.366	571.015
70	10X4.0mm²	21.8	434.505	822.559
71	10X6.0mm²	24.4	617.618	1084.076
72	11X0.5mm²	12	75.71	214.648
73	11X0.75mm²	13.2	105.131	268.853
74	11X1.0mm²	13.6	131.408	300.117
75	11X1.5mm²	15.2	185.183	391.66
76	11X2.5mm²	18.4	293.881	589.751
77	11X4.0mm²	21.6	470.576	856.91
78	11X6.0mm²	24.2	671.849	1129.52
79	12X0.5mm²	12.3	81.402	227.862
80	12X0.75mm²	13.6	113.156	286.066
81	12X1.0mm²	14	141.725	319.875
82	12X1.5mm²	15.6	200.172	417.997
83	12X2.5mm²	18.9	318.487	631.112
84	12X4.0mm²	22.3	509.886	918.544
85	12X6.0mm²	25.1	728.681	1225.487
86	15X0.5mm²	13.2	97.217	264.419
87	15X0.75mm²	14.5	136.67	334.944
88	15X1.0mm²	15.4	172.093	391.255
89	15X1.5mm²	16.7	244.69	493.619
90	15X2.5mm²	20.5	407.433	767.853
91	16X0.5mm²	13.6	102.599	280.857
92	16X0.75mm²	15.2	144.415	363.289
93	16X1.0mm²	16.1	182.42	423.48
94	16X1.5mm²	17.6	259.559	537.37
95	16X2.5mm²	21.4	432.289	825.766
96	18X0.5mm²	14.1	113.363	303.889
97	18X0.75mm²	16	160.204	402.703
98	18X1.0mm²	16.5	202.772	452.499
99	18X1.5mm²	18.4	289.318	591.708
100	18X2.5mm²	22.3	482.08	906.003
101	20X0.5mm²	15.1	124.436	345.884
102	20X0.75mm²	16.7	176.243	439.281
103	20X1.0mm²	17.3	223.354	494.285
104	20X1.5mm²	19.5	334.887	664.61
105	20X2.5mm²	23.4	532.111	993.16
106	24X0.5mm²	16.8	146.604	414.384
107	24X0.75mm²	18.6	208.372	527.306
108	24X1.0mm²	19.4	280.529	611.12
109	24X1.5mm²	21.6	397.174	796.149
110	24X2.5mm²	26.2	633.273	1202.048
111	25X0.5mm²	16.6	151.045	413.199
112	25X0.75mm²	18.8	215.217	546.614
113	25X1.0mm²	19.6	289.656	632.975
114	25X1.5mm²	21.6	410.863	813.17
115	25X2.5mm²	26.2	656.449	1226.502
116	30X0.5mm²	17.5	176.184	468.791
117	30X0.75mm²	20	268.44	640.042
118	30X1.0mm²	20.6	339.407	721.928
119	30X1.5mm²	23	484.88	938.087
120	30X2.5mm²	27.8	776.477	1427.354
121	36X0.5mm²	19.1	206.705	559.396
122	36X0.75mm²	21.6	315.038	749.593
123	36X1.0mm²	22.3	399.944	847.202
124	36X1.5mm²	24.7	572.936	1099.056
125	36X2.5mm²	29.9	921.29	1666.013

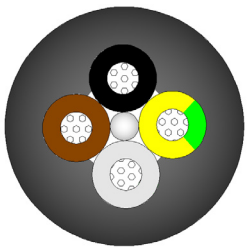
控制电缆 CONTROL CABLE

02

HFFR-HLKMCE

CE 认证 经济型低烟无卤护套控制电缆

CE certified economical low smoke halogen-free sheathed control cable



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE ➤
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas. They are suitable for occasions with high population density and high property value, as well as for fixed installation and occasional bending occasions with free and discontinuous reciprocating movement without tensile load.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404。

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61,034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404.

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Core layer stranding;
Special halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 70℃；
移动安装：-25 至+ 70℃。
最小弯曲半径：固定安装：5X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 25 to+70 ℃ .
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	41
2	3G0.5mm²	5.6	13.6	49
3	4G0.5mm²	6.0	18.1	59
4	5G0.5mm²	6.6	22.7	70
5	6G0.5mm²	7.3	27.2	86
6	7G0.5mm²	7.3	31.8	90
7	8G0.5mm²	7.8	36.3	100
8	10G0.5mm²	9.3	45.4	131
9	12G0.5mm²	9.6	54.4	148
10	14G0.5mm²	10.3	63.5	171
11	16G0.5mm²	10.8	72.6	191
12	18G0.5mm²	11.5	81.6	217
13	19G0.5mm²	11.5	86.2	223
14	20G0.5mm²	12.0	90.7	237
15	24G0.5mm²	13.5	108.9	287
16	25G0.5mm²	13.5	113.4	294
17	26G0.5mm²	13.5	117.9	301
18	28G0.5mm²	14.0	127.0	325
19	30G0.5mm²	14.4	136.1	346
20	32G0.5mm²	15.2	145.1	375
21	36G0.5mm²	15.7	163.3	410
22	37G0.5mm²	15.7	167.8	417
23	40G0.5mm²	17.0	181.4	465
24	42G0.5mm²	17.9	190.5	500
25	2X0.75mm²	5.7	13.8	50
26	3G0.75mm²	6.0	20.7	61
27	4G0.75mm²	6.5	27.6	74
28	5G0.75mm²	7.3	34.6	93
29	6G0.75mm²	7.9	41.5	109
30	7G0.75mm²	7.9	48.4	115
31	8G0.75mm²	8.7	55.3	132
32	10G0.75mm²	10.3	69.1	172
33	12G0.75mm²	10.6	82.9	194
34	14G0.75mm²	11.1	96.8	219
35	16G0.75mm²	11.9	110.6	251
36	18G0.75mm²	12.7	124.4	284
37	19G0.75mm²	12.7	131.3	293
38	20G0.75mm²	13.3	138.2	311
39	24G0.75mm²	15.1	165.9	385
40	25G0.75mm²	15.1	172.8	394
41	26G0.75mm²	15.1	179.7	403
42	28G0.75mm²	15.4	193.5	427
43	30G0.75mm²	15.9	207.4	454
44	32G0.75mm²	16.7	221.2	491
45	36G0.75mm²	17.5	248.8	548
46	37G0.75mm²	17.5	255.7	558
47	40G0.75mm²	18.9	276.5	619
48	42G0.75mm²	19.9	290.3	663
49	2X1.0mm²	6.2	18.4	61
50	3G1.0mm²	6.6	27.6	75
51	4G1.0mm²	7.1	36.9	92
52	5G1.0mm²	8.0	46.1	114
53	6G1.0mm²	8.9	55.3	140
54	7G1.0mm²	8.9	64.5	147
55	8G1.0mm²	9.5	73.7	162
56	10G1.0mm²	11.5	92.2	218
57	12G1.0mm²	11.8	110.6	247
58	14G1.0mm²	12.4	129.0	279
59	16G1.0mm²	13.3	147.5	319
60	18G1.0mm²	14.2	165.9	361
61	19G1.0mm²	14.2	175.1	373
62	20G1.0mm²	14.8	184.3	395
63	24G1.0mm²	16.8	221.2	487
64	26G1.0mm²	16.8	239.6	511

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	542
66	30G1.0mm²	17.9	276.5	586
67	32G1.0mm²	18.6	294.9	623
68	36G1.0mm²	19.5	331.8	695
69	37G1.0mm²	19.5	341.0	707
70	40G1.0mm²	21.0	368.6	783
71	42G1.0mm²	22.1	387.1	838
72	2X1.5mm²	7.0	27.6	82
73	3G1.5mm²	7.4	41.5	100
74	4G1.5mm²	8.3	55.3	128
75	5G1.5mm²	9.3	69.1	160
76	6G1.5mm²	10.3	82.9	195
77	7G1.5mm²	10.3	96.8	206
78	8G1.5mm²	11.1	110.6	226
79	10G1.5mm²	13.3	138.2	299
80	12G1.5mm²	13.9	165.9	348
81	14G1.5mm²	14.6	193.5	394
82	16G1.5mm²	15.6	221.2	449
83	18G1.5mm²	16.6	248.8	506
84	19G1.5mm²	16.6	262.6	524
85	20G1.5mm²	17.6	276.5	564
86	24G1.5mm²	19.6	331.8	678
87	26G1.5mm²	19.6	359.4	715
88	28G1.5mm²	20.0	387.1	759
89	30G1.5mm²	20.9	414.7	819
90	32G1.5mm²	21.9	442.4	882
91	37G1.5mm²	22.7	511.5	989
92	2X2.5mm²	8.5	46.1	125
93	3G2.5mm²	9.2	69.1	159
94	4G2.5mm²	10.3	92.2	203
95	5G2.5mm²	11.2	115.2	246
96	6G2.5mm²	12.4	138.2	299
97	7G2.5mm²	12.4	161.3	318
98	8G2.5mm²	13.6	184.3	354
99	10G2.5mm²	16.5	230.4	470
100	12G2.5mm²	17.0	276.5	538
101	14G2.5mm²	18.1	322.5	620
102	16G2.5mm²	19.2	368.6	705
103	18G2.5mm²	20.2	414.7	782
104	19G2.5mm²	20.2	437.7	812
105	20G2.5mm²	21.4	460.8	870
106	24G2.5mm²	24.3	552.9	1070
107	25G2.5mm²	24.3	576.0	1100
108	30G2.5mm²	25.9	691.2	1293
109	32G2.5mm²	27.0	737.3	1387
110	37G2.5mm²	28.2	852.5	1576
111	2X4.0mm²	10.1	73.8	184
112	3G4.0mm²	10.9	110.7	235
113	4G4.0mm²	12.2	147.6	300
114	5G4.0mm²	13.5	184.5	372
115	6G4.0mm²	14.9	221.4	450
116	7G4.0mm²	14.9	258.3	481
117	8G4.0mm²	16.3	295.2	532
118	10G4.0mm²	19.7	369.0	699
119	12G4.0mm²	20.3	442.8	803
120	16G4.0mm²	22.9	590.4	1052
121	2X6.0mm²	12.1	109.8	267
122	3G6.0mm²	13.1	164.7	342
123	4G6.0mm²	14.5	219.6	434
124	5G6.0mm²	16.1	274.5	537
125	6G6.0mm²	17.7	329.4	649
126	7G6.0mm²	17.7	384.3	695
127	8G6.0mm²	19.6	439.2	776
128	10G6.0mm²	23.7	549.0	1024
129	12G6.0mm²	24.4	658.8	1177

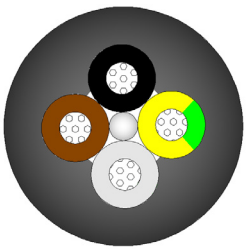
控制电缆 CONTROL CABLE

02

HFFR-HLKMCE-125℃

CE 认证 耐热 125℃型 低烟无卤护套控制电缆

CE certified economical heat-resistant low smoke halogen-free sheathed control cable



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125 ▶
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas, and are suitable for occasions with large population density and high property value.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
辐照交联耐热最高可达 125 度。

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Irradiation crosslinking heat resistance up to 125 ℃。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Core layer stranding;
Special cross-linked halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：-40 至+ 125℃；
最小弯曲半径：固定安装：5X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range: - 40 to+125 ℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	41
2	3G0.5mm²	5.6	13.6	49
3	4G0.5mm²	6.0	18.1	59
4	5G0.5mm²	6.6	22.7	70
5	6G0.5mm²	7.3	27.2	86
6	7G0.5mm²	7.3	31.8	90
7	8G0.5mm²	7.8	36.3	100
8	10G0.5mm²	9.3	45.4	131
9	12G0.5mm²	9.6	54.4	148
10	14G0.5mm²	10.3	63.5	171
11	16G0.5mm²	10.8	72.6	191
12	18G0.5mm²	11.5	81.6	217
13	19G0.5mm²	11.5	86.2	223
14	20G0.5mm²	12.0	90.7	237
15	24G0.5mm²	13.5	108.9	287
16	25G0.5mm²	13.5	113.4	294
17	26G0.5mm²	13.5	117.9	301
18	28G0.5mm²	14.0	127.0	325
19	30G0.5mm²	14.4	136.1	346
20	32G0.5mm²	15.2	145.1	375
21	36G0.5mm²	15.7	163.3	410
22	37G0.5mm²	15.7	167.8	417
23	40G0.5mm²	17.0	181.4	465
24	42G0.5mm²	17.9	190.5	500
25	2X0.75mm²	5.7	13.8	50
26	3G0.75mm²	6.0	20.7	61
27	4G0.75mm²	6.5	27.6	74
28	5G0.75mm²	7.3	34.6	93
29	6G0.75mm²	7.9	41.5	109
30	7G0.75mm²	7.9	48.4	115
31	8G0.75mm²	8.7	55.3	132
32	10G0.75mm²	10.3	69.1	172
33	12G0.75mm²	10.6	82.9	194
34	14G0.75mm²	11.1	96.8	219
35	16G0.75mm²	11.9	110.6	251
36	18G0.75mm²	12.7	124.4	284
37	19G0.75mm²	12.7	131.3	293
38	20G0.75mm²	13.3	138.2	311
39	24G0.75mm²	15.1	165.9	385
40	25G0.75mm²	15.1	172.8	394
41	26G0.75mm²	15.1	179.7	403
42	28G0.75mm²	15.4	193.5	427
43	30G0.75mm²	15.9	207.4	454
44	32G0.75mm²	16.7	221.2	491
45	36G0.75mm²	17.5	248.8	548
46	37G0.75mm²	17.5	255.7	558
47	40G0.75mm²	18.9	276.5	619
48	42G0.75mm²	19.9	290.3	663
49	2X1.0mm²	6.2	18.4	61
50	3G1.0mm²	6.6	27.6	75
51	4G1.0mm²	7.1	36.9	92
52	5G1.0mm²	8.0	46.1	114
53	6G1.0mm²	8.9	55.3	140
54	7G1.0mm²	8.9	64.5	147
55	8G1.0mm²	9.5	73.7	162
56	10G1.0mm²	11.5	92.2	218
57	12G1.0mm²	11.8	110.6	247
58	14G1.0mm²	12.4	129.0	279
59	16G1.0mm²	13.3	147.5	319
60	18G1.0mm²	14.2	165.9	361
61	19G1.0mm²	14.2	175.1	373
62	20G1.0mm²	14.8	184.3	395
63	24G1.0mm²	16.8	221.2	487
64	26G1.0mm²	16.8	239.6	511

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	542
66	30G1.0mm²	17.9	276.5	586
67	32G1.0mm²	18.6	294.9	623
68	36G1.0mm²	19.5	331.8	695
69	37G1.0mm²	19.5	341.0	707
70	40G1.0mm²	21.0	368.6	783
71	42G1.0mm²	22.1	387.1	838
72	2X1.5mm²	7.0	27.6	82
73	3G1.5mm²	7.4	41.5	100
74	4G1.5mm²	8.3	55.3	128
75	5G1.5mm²	9.3	69.1	160
76	6G1.5mm²	10.3	82.9	195
77	7G1.5mm²	10.3	96.8	206
78	8G1.5mm²	11.1	110.6	226
79	10G1.5mm²	13.3	138.2	299
80	12G1.5mm²	13.9	165.9	348
81	14G1.5mm²	14.6	193.5	394
82	16G1.5mm²	15.6	221.2	449
83	18G1.5mm²	16.6	248.8	506
84	19G1.5mm²	16.6	262.6	524
85	20G1.5mm²	17.6	276.5	564
86	24G1.5mm²	19.6	331.8	678
87	26G1.5mm²	19.6	359.4	715
88	28G1.5mm²	20.0	387.1	759
89	30G1.5mm²	20.9	414.7	819
90	32G1.5mm²	21.9	442.4	882
91	37G1.5mm²	22.7	511.5	989
92	2X2.5mm²	8.5	46.1	125
93	3G2.5mm²	9.2	69.1	159
94	4G2.5mm²	10.3	92.2	203
95	5G2.5mm²	11.2	115.2	246
96	6G2.5mm²	12.4	138.2	299
97	7G2.5mm²	12.4	161.3	318
98	8G2.5mm²	13.6	184.3	354
99	10G2.5mm²	16.5	230.4	470
100	12G2.5mm²	17.0	276.5	538
101	14G2.5mm²	18.1	322.5	620
102	16G2.5mm²	19.2	368.6	705
103	18G2.5mm²	20.2	414.7	782
104	19G2.5mm²	20.2	437.7	812
105	20G2.5mm²	21.4	460.8	870
106	24G2.5mm²	24.3	552.9	1070
107	25G2.5mm²	24.3	576.0	1100
108	30G2.5mm²	25.9	691.2	1293
109	32G2.5mm²	27.0	737.3	1387
110	37G2.5mm²	28.2	852.5	1576
111	2X4.0mm²	10.1	73.8	184
112	3G4.0mm²	10.9	110.7	235
113	4G4.0mm²	12.2	147.6	300
114	5G4.0mm²	13.5	184.5	372
115	6G4.0mm²	14.9	221.4	450
116	7G4.0mm²	14.9	258.3	481
117	8G4.0mm²	16.3	295.2	532
118	10G4.0mm²	19.7	369.0	699
119	12G4.0mm²	20.3	442.8	803
120	16G4.0mm²	22.9	590.4	1052
121	2X6.0mm²	12.1	109.8	267
122	3G6.0mm²	13.1	164.7	342
123	4G6.0mm²	14.5	219.6	434
124	5G6.0mm²	16.1	274.5	537
125	6G6.0mm²	17.7	329.4	649
126	7G6.0mm²	17.7	384.3	695
127	8G6.0mm²	19.6	439.2	776
128	10G6.0mm²	23.7	549.0	1024
129	12G6.0mm²	24.4	658.8	1177

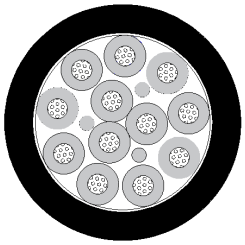
控制电缆 CONTROL CABLE

02

HFFR-HLKMCE-150℃

CE 认证 耐热 150℃型 低烟无卤护套控制电缆

CE certified heat-resistant 150℃ type, low smoke and halogen-free sheathed control cable



低烟无卤控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

- HFFR-HLKMCE
- HFFR-HLKMCE-125
- HFFR-HLKMCE-150 ➤
- H03Z1Z1-F
- H5Z1Z1-F
- H07Z1Z1-F
- YY LSZH
- CY LSZH
- NHXMH
- NHXMH(St)
- HFFR-HLKMCE-S
- HFFR-HLKMCE-S-125
- HFFR-HLKMCE-S-150
- A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas, and are suitable for occasions with large population density and high property value.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
辐照交联耐热最高可达 150 度。

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Irradiation crosslinking heat resistance up to 150 ℃。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Core layer stranding;
Special cross-linked halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围： −40 至+ 150℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range: − 40 to+150 ℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	41
2	3G0.5mm²	5.6	13.6	49
3	4G0.5mm²	6.0	18.1	59
4	5G0.5mm²	6.6	22.7	70
5	6G0.5mm²	7.3	27.2	86
6	7G0.5mm²	7.3	31.8	90
7	8G0.5mm²	7.8	36.3	100
8	10G0.5mm²	9.3	45.4	131
9	12G0.5mm²	9.6	54.4	148
10	14G0.5mm²	10.3	63.5	171
11	16G0.5mm²	10.8	72.6	191
12	18G0.5mm²	11.5	81.6	217
13	19G0.5mm²	11.5	86.2	223
14	20G0.5mm²	12.0	90.7	237
15	24G0.5mm²	13.5	108.9	287
16	25G0.5mm²	13.5	113.4	294
17	26G0.5mm²	13.5	117.9	301
18	28G0.5mm²	14.0	127.0	325
19	30G0.5mm²	14.4	136.1	346
20	32G0.5mm²	15.2	145.1	375
21	36G0.5mm²	15.7	163.3	410
22	37G0.5mm²	15.7	167.8	417
23	40G0.5mm²	17.0	181.4	465
24	42G0.5mm²	17.9	190.5	500
25	2X0.75mm²	5.7	13.8	50
26	3G0.75mm²	6.0	20.7	61
27	4G0.75mm²	6.5	27.6	74
28	5G0.75mm²	7.3	34.6	93
29	6G0.75mm²	7.9	41.5	109
30	7G0.75mm²	7.9	48.4	115
31	8G0.75mm²	8.7	55.3	132
32	10G0.75mm²	10.3	69.1	172
33	12G0.75mm²	10.6	82.9	194
34	14G0.75mm²	11.1	96.8	219
35	16G0.75mm²	11.9	110.6	251
36	18G0.75mm²	12.7	124.4	284
37	19G0.75mm²	12.7	131.3	293
38	20G0.75mm²	13.3	138.2	311
39	24G0.75mm²	15.1	165.9	385
40	25G0.75mm²	15.1	172.8	394
41	26G0.75mm²	15.1	179.7	403
42	28G0.75mm²	15.4	193.5	427
43	30G0.75mm²	15.9	207.4	454
44	32G0.75mm²	16.7	221.2	491
45	36G0.75mm²	17.5	248.8	548
46	37G0.75mm²	17.5	255.7	558
47	40G0.75mm²	18.9	276.5	619
48	42G0.75mm²	19.9	290.3	663
49	2X1.0mm²	6.2	18.4	61
50	3G1.0mm²	6.6	27.6	75
51	4G1.0mm²	7.1	36.9	92
52	5G1.0mm²	8.0	46.1	114
53	6G1.0mm²	8.9	55.3	140
54	7G1.0mm²	8.9	64.5	147
55	8G1.0mm²	9.5	73.7	162
56	10G1.0mm²	11.5	92.2	218
57	12G1.0mm²	11.8	110.6	247
58	14G1.0mm²	12.4	129.0	279
59	16G1.0mm²	13.3	147.5	319
60	18G1.0mm²	14.2	165.9	361
61	19G1.0mm²	14.2	175.1	373
62	20G1.0mm²	14.8	184.3	395
63	24G1.0mm²	16.8	221.2	487
64	26G1.0mm²	16.8	239.6	511

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	542
66	30G1.0mm²	17.9	276.5	586
67	32G1.0mm²	18.6	294.9	623
68	36G1.0mm²	19.5	331.8	695
69	37G1.0mm²	19.5	341.0	707
70	40G1.0mm²	21.0	368.6	783
71	42G1.0mm²	22.1	387.1	838
72	2X1.5mm²	7.0	27.6	82
73	3G1.5mm²	7.4	41.5	100
74	4G1.5mm²	8.3	55.3	128
75	5G1.5mm²	9.3	69.1	160
76	6G1.5mm²	10.3	82.9	195
77	7G1.5mm²	10.3	96.8	206
78	8G1.5mm²	11.1	110.6	226
79	10G1.5mm²	13.3	138.2	299
80	12G1.5mm²	13.9	165.9	348
81	14G1.5mm²	14.6	193.5	394
82	16G1.5mm²	15.6	221.2	449
83	18G1.5mm²	16.6	248.8	506
84	19G1.5mm²	16.6	262.6	524
85	20G1.5mm²	17.6	276.5	564
86	24G1.5mm²	19.6	331.8	678
87	26G1.5mm²	19.6	359.4	715
88	28G1.5mm²	20.0	387.1	759
89	30G1.5mm²	20.9	414.7	819
90	32G1.5mm²	21.9	442.4	882
91	37G1.5mm²	22.7	511.5	989
92	2X2.5mm²	8.5	46.1	125
93	3G2.5mm²	9.2	69.1	159
94	4G2.5mm²	10.3	92.2	203
95	5G2.5mm²	11.2	115.2	246
96	6G2.5mm²	12.4	138.2	299
97	7G2.5mm²	12.4	161.3	318
98	8G2.5mm²	13.6	184.3	354
99	10G2.5mm²	16.5	230.4	470
100	12G2.5mm²	17.0	276.5	538
101	14G2.5mm²	18.1	322.5	620
102	16G2.5mm²	19.2	368.6	705
103	18G2.5mm²	20.2	414.7	782
104	19G2.5mm²	20.2	437.7	812
105	20G2.5mm²	21.4	460.8	870
106	24G2.5mm²	24.3	552.9	1070
107	25G2.5mm²	24.3	576.0	1100
108	30G2.5mm²	25.9	691.2	1293
109	32G2.5mm²	27.0	737.3	1387
110	37G2.5mm²	28.2	852.5	1576
111	2X4.0mm²	10.1	73.8	184
112	3G4.0mm²	10.9	110.7	235
113	4G4.0mm²	12.2	147.6	300
114	5G4.0mm²	13.5	184.5	372
115	6G4.0mm²	14.9	221.4	450
116	7G4.0mm²	14.9	258.3	481
117	8G4.0mm²	16.3	295.2	532
118	10G4.0mm²	19.7	369.0	699
119	12G4.0mm²	20.3	442.8	803
120	16G4.0mm²	22.9	590.4	1052
121	2X6.0mm²	12.1	109.8	267
122	3G6.0mm²	13.1	164.7	342
123	4G6.0mm²	14.5	219.6	434
124	5G6.0mm²	16.1	274.5	537
125	6G6.0mm²	17.7	329.4	649
126	7G6.0mm²	17.7	384.3	695
127	8G6.0mm²	19.6	439.2	776
128	10G6.0mm²	23.7	549.0	1024
129	12G6.0mm²	24.4	658.8	1177

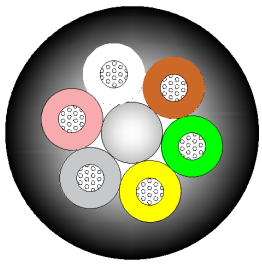
控制电缆 CONTROL CABLE

02

H03Z1Z1-F

CE 认证 低烟无卤绝缘护套 300/300V

CE Certified Low Smoke Zero Halogen Insulated Sheath 300/300V



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

适用于写字楼、商场、酒店、医院等建筑的照明、插座、消防系统（如火灾报警、应急照明、消防联动线路），减少火灾时的烟雾和毒气危害，保障人员疏散安全。以及工业控制柜、变频器、电机的内部连接线，以及户外配电箱的布线。

Scope of application

Suitable for lighting, sockets, and fire protection systems (such as fire alarm, emergency lighting, and fire linkage circuits) in buildings like office buildings, shopping malls, hotels, and hospitals. It reduces the hazards of smoke and toxic gas during fires and ensures the safety of personnel evacuation. It is also used for the internal connection lines of industrial control cabinets, frequency converters, and motors, as well as the wiring of outdoor distribution boxes.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2；
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardancy conform to IEC60332-1-2;
Low smoke level conform to IEC61034-2;
Zero halogen level conform to IEC60754-1。

技术认证

CE 认证;
符合 EN50525-3-11;
RoHS,REACH。

Technical certification

CE certification;
conform to EN50525-3-11;
RoHS, REACH.

电缆结构

裸铜丝，符合 EN60228 标准（5 类）；
低烟无卤 TI6 芯线绝缘，符合 EN50363-7;
低烟无卤 TM7 外护套，符合 EN50363-8;
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to EN60228 standard (Class 5);
Low smoke zero halogen TI6 core insulation,
conform to EN50363-7;
Low smoke zero halogen TM7 outer sheath,
conform to EN50363-8;
The outer sheath is generally black,
with other colors available as options.

技术参数

芯线标识：根据 IEC 60446 要求;
导体电阻：符合 EN60228 标准;
额定温度：70℃;
额定电压：300/300V;
测试电压：1500V/5min;
温度范围：固定安装：-40℃至+ 70℃;
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core wire identification:
According to IEC 60446 requirements;
Conductor resistance: conform to EN60228 standard;
Rated temperature: 70 ℃
Rated voltage: 300/300V;
Test voltage: 1500V/5min;
Temperature range: Fixed installation: -40 ℃ to +70 ℃
Minimum bending radius: 7.5x cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.2	9	39
2	3X0.5mm²	5.5	13	46
3	4X0.5mm²	6.0	18	56
4	5X0.5mm²	6.5	22	68
5	6X0.5mm²	7.2	27	82
6	7X0.5mm²	7.2	31	86
7	8X0.5mm²	8.2	36	104
8	9X0.5mm²	8.8	40	117
9	10X0.5mm²	9.9	45	141
10	11X0.5mm²	9.9	49	148
11	12X0.5mm²	10.2	54	158
12	13X0.5mm²	10.8	58	173
13	14X0.5mm²	10.8	63	180
14	15X0.5mm²	11.2	67	195
15	16X0.5mm²	11.5	72	206
16	17X0.5mm²	12.1	76	221
17	18X0.5mm²	12.1	81	227
18	19X0.5mm²	12.1	85	234
19	20X0.5mm²	12.9	90	255
20	21X0.5mm²	12.9	94	262
21	22X0.5mm²	13.5	99	278
22	23X0.5mm²	13.5	103	284
23	24X0.5mm²	14.4	108	310
24	25X0.5mm²	14.4	112	316
25	26X0.5mm²	14.4	117	323
26	27X0.5mm²	14.7	121	334
27	28X0.5mm²	14.7	126	341
28	29X0.5mm²	15.4	130	364
29	30X0.5mm²	15.4	135	370
30	31X0.5mm²	15.9	139	387
31	32X0.5mm²	15.9	144	393
32	33X0.5mm²	15.9	148	400
33	34X0.5mm²	16.7	153	426
34	35X0.5mm²	16.7	157	432
35	36X0.5mm²	16.7	162	439
36	37X0.5mm²	16.7	166	445
37	38X0.5mm²	17.3	171	463
38	39X0.5mm²	17.3	175	470
39	40X0.5mm²	17.3	180	476
40	41X0.5mm²	18.1	184	504
41	42X0.5mm²	18.1	189	510

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
42	2X0.75mm²	5.6	14	47
43	3X0.75mm²	5.9	21	57
44	4X0.75mm²	6.5	27	71
45	5X0.75mm²	7.1	34	86
46	6X0.75mm²	7.8	41	104
47	7X0.75mm²	7.8	48	110
48	8X0.75mm²	8.8	55	131
49	9X0.75mm²	9.5	62	147
50	10X0.75mm²	10.7	68	176
51	11X0.75mm²	10.7	75	185
52	12X0.75mm²	11.0	82	198
53	13X0.75mm²	11.7	89	218
54	14X0.75mm²	11.7	96	227
55	15X0.75mm²	12.2	103	246
56	16X0.75mm²	12.5	110	259
57	17X0.75mm²	13.1	116	278
58	18X0.75mm²	13.1	123	287
59	19X0.75mm²	13.1	130	296
60	20X0.75mm²	13.9	137	322
61	21X0.75mm²	13.9	144	331
62	22X0.75mm²	14.6	151	351
63	23X0.75mm²	14.6	157	360
64	24X0.75mm²	15.6	164	391
65	25X0.75mm²	15.6	171	400
66	26X0.75mm²	15.6	178	409
67	27X0.75mm²	15.9	185	424
68	28X0.75mm²	15.9	192	432
69	29X0.75mm²	16.7	198	460
70	30X0.75mm²	16.7	205	469
71	31X0.75mm²	17.3	212	490
72	32X0.75mm²	17.3	219	499
73	33X0.75mm²	17.3	226	508
74	34X0.75mm²	18.1	233	539
75	35X0.75mm²	18.1	240	547
76	36X0.75mm²	18.1	246	556
77	37X0.75mm²	18.1	253	565
78	38X0.75mm²	18.7	260	588
79	39X0.75mm²	18.7	267	597
80	40X0.75mm²	18.7	274	606
81	41X0.75mm²	19.6	281	639
82	42X0.75mm²	19.6	287	648

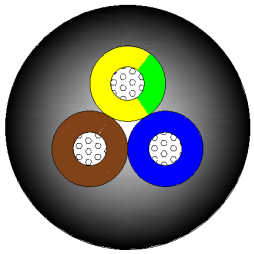
控制电缆 CONTROL CABLE

02

H5Z1Z1-F

CE 认证 低烟无卤护套屏蔽控制电缆 300/500V

CE Certified Low Smoke Zero Halogen Sheathed Control Cable 300V/500V



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

- HFFR-HLKMCE
- HFFR-HLKMCE-125
- HFFR-HLKMCE-150
- H03Z1Z1-F
- H5Z1Z1-F
- H07Z1Z1-F
- YY LSZH
- CY LSZH
- NHXMH
- NHXMH(St)
- HFFR-HLKMCE-S
- HFFR-HLKMCE-S-125
- HFFR-HLKMCE-S-150
- A05Z1C4Z1-F



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于工业机械、设备工程安装、舞台等场合。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。抗紫外线可室外使用。不适合地下直埋。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
欧洲统一协调标准，欧盟认可度高。

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-25 至+ 70℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：15X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely used in industrial machinery, equipment engineering installation, stage and other occasions. In case of fire, reduce smoke density and corrosive gas to protect personnel safety, which is suitable for occasions with large population density and high property value. UV resistant for outdoor use. It is not suitable for direct burial underground.

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Harmonized standards in Europe, highly recognized by EU.

Technical certification

CE certification,TUV certification;
CE Low Voltage Regulation 2014/35/EU;
Conform to EN50525-3-11;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Core layer stranding;
Special halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire: G=including yellow green grounding protection core wire, X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: - 40 to+70℃ ;
Moved installation: - 25 to+70 ℃ ;
Minimum bending radius:
fixed installation: 5X cable diameter,
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

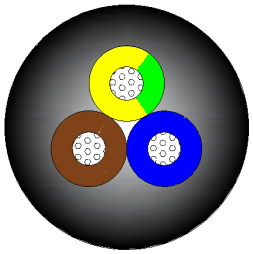
控制电缆 CONTROL CABLE

02

H07Z1Z1-F

CE 认证 标准型低烟无卤护套控制电缆

CE certified standard low smoke halogen-free sheathed control cable



低烟无卤控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于工业机械、设备工程安装、舞台等场合。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。抗紫外线可室外使用。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely used in industrial machinery, equipment engineering installation, stage and other occasions. In case of fire, reduce smoke density and corrosive gas to protect personnel safety, which is suitable for occasions with large population density and high property value. UV resistant for outdoor use. It is not suitable for direct burial underground.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
欧洲统一协调标准，欧盟认可度高。

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Harmonized standards in Europe, highly recognized by EU.

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-3-11；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
CE Low Voltage Regulation 2014/35/EU;
Conform to EN50525-3-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Core layer stranding;
Special halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：450/750V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 70℃；
移动安装：-25 至+ 70℃。
最小弯曲半径：固定安装：5X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 450/750V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 25 to+70 ℃ .
Minimum bending radius:
fixed installation: 5X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

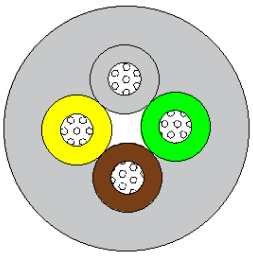
控制电缆 CONTROL CABLE

02

YY LSZH

CE 认证 低烟无卤护套工业柔性控制电缆 300V/500V

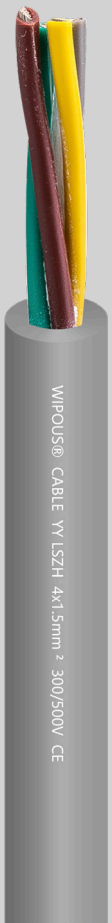
CE certified low smoke and halogen-free sheathed industrial flexible control cable, 300V/500V



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于工业机械、设备工程安装、舞台等场合。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。抗紫外线可室外使用。不适合地下直埋。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-25 至+ 70℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：15X 电缆直径。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in industrial machinery, equipment engineering installation, stages and other occasions. In case of fire, they protect personnel safety by reducing smoke density and corrosive gases, making them suitable for occasions with high population density and high property value. UV-resistant, they can be used outdoors. Not suitable for direct underground burial.

Product characteristics

Halogen-free, compliant with IEC60754-1 (total amount of halogen acid gas);
Combustion gas corrosivity conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404.

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-3-11;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Low smoke zero halogen core insulation;
Core wires twisted in layers;
Special halogen-free compound outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -25 to +70℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

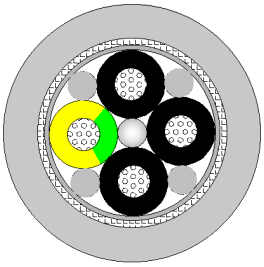
控制电缆 CONTROL CABLE

02

CY LSZH

CE 认证 低烟无卤护套工业屏蔽控制电缆 300V/500V

CE certified low smoke and halogen-free sheathed industrial shielded control cable, 300V/500V



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH ➤
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合。

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 70℃；
移动安装：-25 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. In case of fire, they protect personnel safety by reducing smoke density and corrosive gases, making them suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference.

Product characteristics

Halogen-free, compliant with IEC60754-1 (total amount of halogen acid gas);
Combustion gas corrosivity conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Suitable for electromagnetic compatibility (EMC) occasions.

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-3-11;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Low smoke zero halogen core insulation;
Tinned copper braided shield with approximately 80% coverage;
Special cross-linked halogen-free compound outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +70℃ ;
Mobile installation: -25 to +70℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.4	19	56
2	2X0.75mm²	6.9	24	67
3	2X1.0mm²	7.3	30	77
4	2X1.5mm²	8.2	44	101
5	2X2.5mm²	9.7	66	144
6	2X4.0mm²	11.1	96	196
7	2X6.0mm²	12.5	134	257
8	3X0.5mm²	6.7	24	67
9	3X0.75mm²	7.3	32	81
10	3X1.0mm²	7.7	43	96
11	3X1.5mm²	8.9	59	129
12	3X2.5mm²	10.5	90	185
13	3X4.0mm²	12.2	135	261
14	3X6.0mm²	13.4	190	337
15	4X0.5mm²	7.3	32	82
16	4X0.75mm²	7.9	43	100
17	4X1.0mm²	8.5	53	120
18	4X1.5mm²	9.8	75	162
19	4X2.5mm²	11.6	115	234
20	4X4.0mm²	13.5	174	332
21	4X6.0mm²	14.8	247	424
22	5X0.5mm²	8.2	38	103
23	5X0.75mm²	8.7	52	122
24	5X1.0mm²	9.3	65	142
25	5X1.5mm²	10.9	91	198
26	5X2.5mm²	12.8	141	286
27	5X4.0mm²	14.9	214	406
28	5X6.0mm²	16.4	305	521
29	6X0.5mm²	9.0	45	122
30	6X0.75mm²	9.6	60	146
31	6X1.0mm²	10.2	76	170
32	6X1.5mm²	12.0	107	237
33	6X2.5mm²	14.1	167	341
34	6X4.0mm²	16.2	254	475
35	6X6.0mm²	18.2	363	630
36	7X0.5mm²	9.0	49	129
37	7X0.75mm²	9.6	67	155
38	7X1.0mm²	10.2	85	182
39	7X1.5mm²	12.0	121	255
40	7X2.5mm²	14.1	189	369
41	7X4.0mm²	16.2	290	517
42	7X6.0mm²	18.2	417	691
43	8X0.5mm²	9.8	55	150
44	8X0.75mm²	10.5	76	181
45	8X1.0mm²	11.4	96	217
46	8X1.5mm²	13.2	137	298
47	8X2.5mm²	15.6	215	434
48	8X4.0mm²	17.8	330	602
49	8X6.0mm²	20.1	489	813
50	9X0.5mm²	10.5	62	167
51	9X0.75mm²	11.4	85	207
52	9X1.0mm²	12.3	107	248
53	9X1.5mm²	14.3	153	341
54	9X2.5mm²	16.7	241	486
55	9X4.0mm²	19.3	384	691
56	9X6.0mm²	21.8	548	929
57	10X0.5mm²	11.5	68	193
58	10X0.75mm²	12.5	94	238

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	10X1.0mm²	13.3	119	278
60	10X1.5mm²	15.5	170	382
61	10X2.5mm²	18.3	268	555
62	10X4.0mm²	21.4	427	800
63	10X6.0mm²	24.0	609	1058
64	12X0.5mm²	11.8	78	213
65	12X0.75mm²	12.9	109	264
66	12X1.0mm²	13.9	138	316
67	12X1.5mm²	16.0	199	428
68	12X2.5mm²	18.9	315	625
69	12X4.0mm²	22.4	502	922
70	12X6.0mm²	24.8	719	1211
71	14X0.5mm²	12.6	89	243
72	14X0.75mm²	13.7	124	301
73	14X1.0mm²	14.5	158	354
74	14X1.5mm²	17.0	228	489
75	14X2.5mm²	20.4	378	742
76	16X0.5mm²	13.2	99	268
77	16X0.75mm²	14.3	139	333
78	16X1.0mm²	15.3	178	392
79	16X1.5mm²	18.0	258	553
80	16X2.5mm²	21.4	427	826
81	18X0.5mm²	14.0	110	300
82	18X0.75mm²	15.0	155	366
83	18X1.0mm²	16.2	199	440
84	18X1.5mm²	19.1	301	626
85	18X2.5mm²	22.9	476	936
86	20X0.5mm²	14.6	120	327
87	20X0.75mm²	15.9	170	407
88	20X1.0mm²	17.2	219	490
89	20X1.5mm²	20.4	332	706
90	20X2.5mm²	24.0	526	1025
91	24X0.5mm²	16.3	142	394
92	24X0.75mm²	17.5	202	481
93	24X1.0mm²	19.3	274	605
94	24X1.5mm²	22.9	394	859
95	24X2.5mm²	27.1	626	1258
96	25X0.5mm²	16.3	147	401
97	25X0.75mm²	17.5	209	491
98	25X1.0mm²	19.3	283	617
99	25X1.5mm²	22.9	408	877
100	25X2.5mm²	27.1	649	1286
101	26X0.5mm²	16.3	151	408
102	26X0.75mm²	17.5	216	501
103	26X1.0mm²	19.3	292	629
104	26X1.5mm²	22.9	422	895
105	26X2.5mm²	27.1	672	1314
106	30X0.5mm²	17.4	172	465
107	30X0.75mm²	18.9	246	580
108	30X1.0mm²	20.5	332	715
109	30X1.5mm²	24.3	481	1016
110	30X2.5mm²	29.0	768	1508
111	36X0.5mm²	18.8	202	545
112	36X0.75mm²	20.6	305	699
113	36X1.0mm²	22.2	392	840
114	36X1.5mm²	26.3	569	1194
115	36X2.5mm²	31.5	913	1788

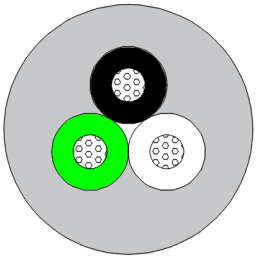
控制电缆 CONTROL CABLE

02

NHXMH

CE 认证 低烟无卤护套安装控制电缆 300V/500V

CE certified low smoke and halogen-free sheathed installation control cable, 300V/500V



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH ➤
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于工业机械、设备工程安装、舞台等场合。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。抗紫外线可室外使用。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in industrial machinery, equipment engineering installation, stages and other occasions. In case of fire, they protect personnel safety by reducing smoke density and corrosive gases, making them suitable for occasions with high population density and high property value. UV-resistant, they can be used outdoors. Not suitable for direct underground burial.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404。

Product characteristics

Halogen-free, compliant with IEC60754-1 (total amount of halogen acid gas);
Combustion gas corrosivity conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-3-11；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-3-11;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
芯线层绞；
特制无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Low smoke zero halogen core insulation;
Core wires twisted in layers;
Special halogen-free compound outer sheath;
Outer sheath color: gray (RAL7001).

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 90℃；
移动安装：-25 至+ 90℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +90℃ ;
Mobile installation: -25 to +90℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.9	9.1	49
2	3G0.5mm²	6.2	13.6	58
3	4G0.5mm²	6.8	18.1	70
4	5G0.5mm²	7.4	22.7	84
5	6G0.5mm²	8.2	27.2	103
6	7G0.5mm²	8.2	31.8	107
7	8G0.5mm²	8.8	36.3	117
8	10G0.5mm²	10.5	45.4	155
9	12G0.5mm²	10.8	54.4	174
10	14G0.5mm²	11.6	63.5	202
11	16G0.5mm²	12.2	72.6	224
12	18G0.5mm²	13.0	81.6	255
13	19G0.5mm²	13.0	86.2	262
14	20G0.5mm²	13.6	90.7	279
15	24G0.5mm²	15.3	108.9	339
16	26G0.5mm²	15.3	117.9	354
17	28G0.5mm²	15.8	127.0	383
18	30G0.5mm²	16.4	136.1	407
19	32G0.5mm²	17.2	145.1	442
20	36G0.5mm²	17.8	163.3	483
21	37G0.5mm²	17.8	167.8	491
22	40G0.5mm²	19.3	181.4	548
23	42G0.5mm²	20.3	190.5	590
24	2X0.75mm²	6.3	13.8	59
25	3G0.75mm²	6.7	20.7	70
26	4G0.75mm²	7.3	27.6	86
27	5G0.75mm²	8.1	34.6	107
28	6G0.75mm²	8.8	41.5	127
29	7G0.75mm²	8.8	48.4	133
30	8G0.75mm²	9.7	55.3	150
31	10G0.75mm²	11.5	69.1	197
32	12G0.75mm²	11.9	82.9	223
33	14G0.75mm²	12.5	96.8	251
34	16G0.75mm²	13.3	110.6	288
35	18G0.75mm²	14.2	124.4	326
36	19G0.75mm²	14.2	131.3	336
37	20G0.75mm²	14.9	138.2	357
38	24G0.75mm²	16.9	165.9	442
39	26G0.75mm²	16.9	179.7	463
40	28G0.75mm²	17.3	193.5	490
41	30G0.75mm²	17.9	207.4	521
42	32G0.75mm²	18.7	221.2	564
43	36G0.75mm²	19.6	248.8	629
44	37G0.75mm²	19.6	255.7	640
45	40G0.75mm²	21.2	276.5	711
46	42G0.75mm²	22.3	290.3	763
47	2X1.0mm²	6.7	18.4	69
48	3G1.0mm²	7.1	27.6	83
49	4G1.0mm²	7.7	36.9	102
50	5G1.0mm²	8.7	46.1	128
51	6G1.0mm²	9.6	55.3	156
52	7G1.0mm²	9.6	64.5	164
53	8G1.0mm²	10.4	73.7	179
54	10G1.0mm²	12.5	92.2	242
55	12G1.0mm²	12.9	110.6	273
56	14G1.0mm²	13.5	129.0	309
57	16G1.0mm²	14.5	147.5	353
58	18G1.0mm²	15.4	165.9	399
59	19G1.0mm²	15.4	175.1	412

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	20G1.0mm²	16.2	184.3	437
61	24G1.0mm²	18.3	221.2	539
62	26G1.0mm²	18.3	239.6	566
63	28G1.0mm²	18.7	258.0	599
64	30G1.0mm²	19.5	276.5	648
65	32G1.0mm²	20.3	294.9	689
66	36G1.0mm²	21.2	331.8	769
67	37G1.0mm²	21.2	341.0	782
68	40G1.0mm²	22.9	368.6	867
69	42G1.0mm²	24.1	387.1	928
70	2X1.5mm²	7.7	27.6	94
71	3G1.5mm²	8.2	41.5	115
72	4G1.5mm²	9.1	55.3	146
73	5G1.5mm²	10.2	69.1	182
74	6G1.5mm²	11.3	82.9	222
75	7G1.5mm²	11.3	96.8	233
76	8G1.5mm²	12.2	110.6	253
77	10G1.5mm²	14.7	138.2	335
78	12G1.5mm²	15.4	165.9	390
79	14G1.5mm²	16.2	193.5	442
80	16G1.5mm²	17.2	221.2	503
81	18G1.5mm²	18.3	248.8	567
82	19G1.5mm²	18.3	262.6	588
83	20G1.5mm²	19.4	276.5	633
84	24G1.5mm²	21.7	331.8	762
85	26G1.5mm²	21.7	359.4	802
86	30G1.5mm²	23.1	414.7	919
87	32G1.5mm²	24.2	442.4	989
88	36G1.5mm²	25.1	497.6	1089
89	37G1.5mm²	25.1	511.5	1109
90	2X2.5mm²	9.1	46.1	137
91	3G2.5mm²	9.9	69.1	174
92	4G2.5mm²	11.0	92.2	221
93	5G2.5mm²	12.0	115.2	269
94	6G2.5mm²	13.3	138.2	327
95	7G2.5mm²	13.3	161.3	346
96	8G2.5mm²	14.6	184.3	382
97	10G2.5mm²	17.7	230.4	508
98	12G2.5mm²	18.3	276.5	581
99	14G2.5mm²	19.4	322.5	670
100	16G2.5mm²	20.6	368.6	761
101	18G2.5mm²	21.7	414.7	844
102	19G2.5mm²	21.7	437.7	876
103	20G2.5mm²	23.0	460.8	940
104	24G2.5mm²	26.1	552.9	1156
105	30G2.5mm²	27.8	691.2	1396
106	32G2.5mm²	29.0	737.3	1498
107	37G2.5mm²	30.3	852.5	1701
108	2X4.0mm²	10.5	73.8	193
109	3G4.0mm²	11.4	110.7	247
110	4G4.0mm²	12.6	147.6	314
111	5G4.0mm²	14.0	184.5	390
112	2X6.0mm²	12.9	109.8	291
113	3G6.0mm²	13.9	164.7	369
114	4G6.0mm²	15.5	219.6	469
115	5G6.0mm²	17.1	274.5	580
116	3G6.0mm²	14.4	164.7	342
117	4G6.0mm²	15.9	219.6	434
118	5G6.0mm²	17.7	274.5	537

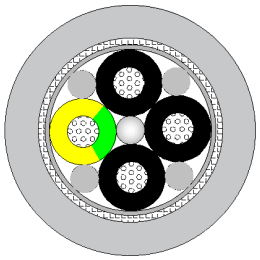
控制电缆 CONTROL CABLE

02

NHXMH(St)

CE 认证 低烟无卤护套安装屏蔽控制电缆 300V/500V

CE certified low smoke and halogen-free sheathed installation shielded control cable, 300V/500V



低烟无卤控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St) ▶
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 90℃；
移动安装：-25 至+ 90℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. In case of fire, they protect personnel safety by reducing smoke density and corrosive gases, making them suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference.

Product characteristics

Halogen-free, compliant with IEC60754-1 (total amount of halogen acid gas);
Combustion gas corrosivity conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Suitable for electromagnetic compatibility (EMC) occasions.

Technical certification

CE certification;
Conforms to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
Low smoke zero halogen core insulation;
Tinned copper braided shield with approximately 80% coverage;
Special cross-linked halogen-free compound outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core: G = with yellow-green grounding protection core; X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +90℃ ;
Mobile installation: -25 to +90℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.4	19	56
2	2X0.75mm²	6.9	24	67
3	2X1.0mm²	7.3	30	77
4	2X1.5mm²	8.2	44	101
5	2X2.5mm²	9.7	66	144
6	2X4.0mm²	11.1	96	196
7	2X6.0mm²	12.5	134	257
8	3X0.5mm²	6.7	24	67
9	3X0.75mm²	7.3	32	81
10	3X1.0mm²	7.7	43	96
11	3X1.5mm²	8.9	59	129
12	3X2.5mm²	10.5	90	185
13	3X4.0mm²	12.2	135	261
14	3X6.0mm²	13.4	190	337
15	4X0.5mm²	7.3	32	82
16	4X0.75mm²	7.9	43	100
17	4X1.0mm²	8.5	53	120
18	4X1.5mm²	9.8	75	162
19	4X2.5mm²	11.6	115	234
20	4X4.0mm²	13.5	174	332
21	4X6.0mm²	14.8	247	424
22	5X0.5mm²	8.2	38	103
23	5X0.75mm²	8.7	52	122
24	5X1.0mm²	9.3	65	142
25	5X1.5mm²	10.9	91	198
26	5X2.5mm²	12.8	141	286
27	5X4.0mm²	14.9	214	406
28	5X6.0mm²	16.4	305	521
29	6X0.5mm²	9.0	45	122
30	6X0.75mm²	9.6	60	146
31	6X1.0mm²	10.2	76	170
32	6X1.5mm²	12.0	107	237
33	6X2.5mm²	14.1	167	341
34	6X4.0mm²	16.2	254	475
35	6X6.0mm²	18.2	363	630
36	7X0.5mm²	9.0	49	129
37	7X0.75mm²	9.6	67	155
38	7X1.0mm²	10.2	85	182
39	7X1.5mm²	12.0	121	255
40	7X2.5mm²	14.1	189	369
41	7X4.0mm²	16.2	290	517
42	7X6.0mm²	18.2	417	691
43	8X0.5mm²	9.8	55	150
44	8X0.75mm²	10.5	76	181
45	8X1.0mm²	11.4	96	217
46	8X1.5mm²	13.2	137	298
47	8X2.5mm²	15.6	215	434
48	8X4.0mm²	17.8	330	602
49	8X6.0mm²	20.1	489	813
50	9X0.5mm²	10.5	62	167
51	9X0.75mm²	11.4	85	207
52	9X1.0mm²	12.3	107	248
53	9X1.5mm²	14.3	153	341
54	9X2.5mm²	16.7	241	486
55	9X4.0mm²	19.3	384	691

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
56	9X6.0mm²	21.8	548	929
57	10X0.5mm²	11.5	68	193
58	10X0.75mm²	12.5	94	238
59	10X1.0mm²	13.3	119	278
60	10X1.5mm²	15.5	170	382
61	10X2.5mm²	18.3	268	555
62	10X4.0mm²	21.4	427	800
63	10X6.0mm²	24.0	609	1058
64	12X0.5mm²	11.8	78	213
65	12X0.75mm²	12.9	109	264
66	12X1.0mm²	13.9	138	316
67	12X1.5mm²	16.0	199	428
68	12X2.5mm²	18.9	315	625
69	12X4.0mm²	22.4	502	922
70	12X6.0mm²	24.8	719	1211
71	16X0.5mm²	13.2	99	268
72	16X0.75mm²	14.3	139	333
73	16X1.0mm²	15.3	178	392
74	16X1.5mm²	18.0	258	553
75	16X2.5mm²	21.4	427	826
76	18X0.5mm²	14.0	110	300
77	18X0.75mm²	15.0	155	366
78	18X1.0mm²	16.2	199	440
79	18X1.5mm²	19.1	301	626
80	18X2.5mm²	22.9	476	936
81	20X0.5mm²	14.6	120	327
82	20X0.75mm²	15.9	170	407
83	20X1.0mm²	17.2	219	490
84	20X1.5mm²	20.4	332	706
85	20X2.5mm²	24.0	526	1025
86	24X0.5mm²	16.3	142	394
87	24X0.75mm²	17.5	202	481
88	24X1.0mm²	19.3	274	605
89	24X1.5mm²	22.9	394	859
90	24X2.5mm²	27.1	626	1258
91	25X0.5mm²	16.3	147	401
92	25X0.75mm²	17.5	209	491
93	25X1.0mm²	19.3	283	617
94	25X1.5mm²	22.9	408	877
95	25X2.5mm²	27.1	649	1286
96	30X0.5mm²	17.4	172	465
97	30X0.75mm²	18.9	246	580
98	30X1.0mm²	20.5	332	715
99	30X1.5mm²	24.3	481	1016
100	30X2.5mm²	29.0	768	1508
101	36X0.5mm²	18.8	202	545
102	36X0.75mm²	20.6	305	699
103	36X1.0mm²	22.2	392	840
104	36X1.5mm²	26.3	569	1194
105	36X2.5mm²	31.5	913	1788
106	40X0.5mm²	19.8	236	616
107	40X0.75mm²	21.5	335	767
108	40X1.0mm²	23.2	432	923
109	40X1.5mm²	27.4	627	1310
110	40X2.5mm²	32.8	1008	1961

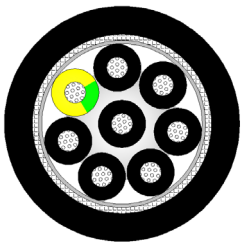
控制电缆 CONTROL CABLE

02

HFFR-HLKMCE-S

CE 认证 经济型低烟无卤护套屏蔽控制电缆

CE certified economical low smoke halogen-free sheathed shielded control cable



低烟无卤控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S ▶
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 70℃；
移动安装：-25 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. They can protect personnel safety by reducing smoke density and corrosive gas in case of fire. They are suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is especially suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and free Occasional bending with discontinuous reciprocating movement.

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions.

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Tinned copper braided shield, about 80% coverage;
Special halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 25 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	54
2	3G0.5mm²	6.3	23.0	64
3	4G0.5mm²	6.7	28.5	75
4	5G0.5mm²	7.3	34.2	87
5	6G0.5mm²	8.0	40.0	105
6	7G0.5mm²	8.0	44.5	111
7	8G0.5mm²	8.5	53.2	127
8	10G0.5mm²	10.0	65.6	163
9	12G0.5mm²	10.3	75.4	180
10	14G0.5mm²	11.0	85.8	206
11	16G0.5mm²	11.5	96.2	227
12	18G0.5mm²	12.2	106.7	255
13	20G0.5mm²	12.7	117.3	278
14	24G0.5mm²	14.2	138.8	334
15	26G0.5mm²	14.2	147.8	347
16	28G0.5mm²	14.7	157.7	373
17	30G0.5mm²	15.1	168.0	395
18	32G0.5mm²	15.9	178.4	428
19	36G0.5mm²	16.4	198.0	465
20	37G0.5mm²	16.4	202.6	471
21	40G0.5mm²	17.7	219.1	525
22	42G0.5mm²	18.6	230.1	565
23	2X0.75mm²	6.4	23.4	64
24	3G0.75mm²	6.7	31.1	76
25	4G0.75mm²	7.2	39.1	91
26	5G0.75mm²	8.0	47.3	111
27	6G0.75mm²	8.6	58.5	131
28	7G0.75mm²	8.6	65.4	140
29	8G0.75mm²	9.4	74.0	162
30	10G0.75mm²	11.0	91.5	207
31	12G0.75mm²	11.3	106.2	230
32	14G0.75mm²	11.8	121.4	257
33	16G0.75mm²	12.6	136.7	291
34	18G0.75mm²	13.4	152.2	327
35	20G0.75mm²	14.0	167.6	357
36	24G0.75mm²	15.8	199.0	438
37	26G0.75mm²	15.8	212.8	455
38	28G0.75mm²	16.1	227.5	480
39	30G0.75mm²	16.6	242.7	509
40	32G0.75mm²	17.4	258.1	550
41	36G0.75mm²	18.2	287.3	609
42	37G0.75mm²	18.2	294.2	618
43	40G0.75mm²	19.6	318.3	687
44	42G0.75mm²	20.6	334.2	737
45	2X1.0mm²	6.9	29.2	75
46	3G1.0mm²	7.3	39.2	91
47	4G1.0mm²	7.8	49.7	109
48	5G1.0mm²	8.7	63.3	137
49	6G1.0mm²	9.6	74.3	163
50	7G1.0mm²	9.6	83.5	174
51	8G1.0mm²	10.2	94.6	197
52	10G1.0mm²	12.2	117.2	258
53	12G1.0mm²	12.5	136.6	288
54	14G1.0mm²	13.1	156.6	322
55	16G1.0mm²	14.0	176.8	365
56	18G1.0mm²	14.9	197.0	409
57	20G1.0mm²	15.5	217.3	447
58	24G1.0mm²	17.5	258.3	547
59	26G1.0mm²	17.5	276.8	570

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	602
61	30G1.0mm²	18.6	316.1	649
62	32G1.0mm²	19.3	336.3	689
63	36G1.0mm²	20.2	375.0	764
64	37G1.0mm²	20.2	384.2	776
65	40G1.0mm²	21.7	431.4	876
66	42G1.0mm²	22.8	453.0	938
67	2X1.5mm²	7.7	40.2	95
68	3G1.5mm²	8.1	55.0	117
69	4G1.5mm²	9.0	73.4	151
70	5G1.5mm²	10.0	89.2	184
71	6G1.5mm²	11.0	105.2	220
72	7G1.5mm²	11.0	119.0	236
73	8G1.5mm²	11.8	135.0	267
74	10G1.5mm²	14.0	167.6	349
75	12G1.5mm²	14.6	196.4	399
76	14G1.5mm²	15.3	225.9	448
77	16G1.5mm²	16.3	255.5	507
78	18G1.5mm²	17.3	285.3	568
79	20G1.5mm²	18.3	315.1	631
80	24G1.5mm²	20.3	375.4	758
81	26G1.5mm²	20.3	403.0	791
82	28G1.5mm²	20.7	431.8	836
83	30G1.5mm²	21.6	477.1	917
84	32G1.5mm²	22.6	507.4	986
85	36G1.5mm²	23.4	565.6	1078
86	37G1.5mm²	23.4	579.4	1095
87	2X2.5mm²	9.2	64.7	141
88	3G2.5mm²	9.9	89.2	182
89	4G2.5mm²	11.0	114.5	229
90	5G2.5mm²	11.9	140.0	272
91	6G2.5mm²	13.1	165.7	324
92	7G2.5mm²	13.1	188.8	352
93	8G2.5mm²	14.3	214.5	407
94	10G2.5mm²	17.2	266.7	538
95	12G2.5mm²	17.7	314.2	605
96	14G2.5mm²	18.8	362.6	692
97	16G2.5mm²	19.9	411.2	782
98	18G2.5mm²	20.9	459.9	864
99	20G2.5mm²	22.1	525.0	976
100	24G2.5mm²	25.0	625.3	1198
101	30G2.5mm²	26.6	768.5	1424
102	32G2.5mm²	27.7	817.9	1528
103	36G2.5mm²	28.9	913.6	1691
104	37G2.5mm²	28.9	936.7	1718
105	2X4.0mm²	10.8	96.2	199
106	3G4.0mm²	11.6	134.8	259
107	4G4.0mm²	12.9	174.4	327
108	5G4.0mm²	14.2	214.4	399
109	6G4.0mm²	15.6	254.5	476
110	7G4.0mm²	15.6	291.4	518
111	8G4.0mm²	17.0	331.6	579
112	2X6.0mm²	18.4	136.5	355
113	3G6.0mm²	18.4	193.4	427
114	4G6.0mm²	20.3	251.6	541
115	5G6.0mm²	21.9	310.2	651
116	6G6.0mm²	24.4	369.0	796
117	7G6.0mm²	24.4	423.9	859
118	8G6.0mm²	25.1	482.7	955

控制电缆 CONTROL CABLE

02

低烟无卤控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

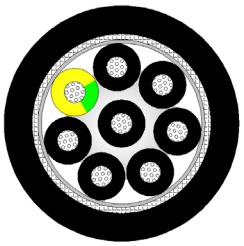
HFFR-HLKMCE
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H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125 ➤
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



HFFR-HLKMCE-S-125℃

CE 认证 经济型耐热型低烟无卤护套控制电缆

CE certified economical heat-resistant low smoke halogen-free sheathed control cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas. They are suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
辐照交联耐热最高可达 150 度；
电磁兼容 EMC 场合。

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Irradiation crosslinking heat resistance up to 150 ℃;
EMC occasions.

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Tinned copper braided shield, about 80% coverage;
Special cross-linked halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：-40 至+ 125 ；
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range: - 40 to+125 ℃;
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	54
2	3G0.5mm²	6.3	23.0	64
3	4G0.5mm²	6.7	28.5	75
4	5G0.5mm²	7.3	34.2	87
5	6G0.5mm²	8.0	40.0	105
6	7G0.5mm²	8.0	44.5	111
7	8G0.5mm²	8.5	53.2	127
8	10G0.5mm²	10.0	65.6	163
9	12G0.5mm²	10.3	75.4	180
10	14G0.5mm²	11.0	85.8	206
11	16G0.5mm²	11.5	96.2	227
12	18G0.5mm²	12.2	106.7	255
13	20G0.5mm²	12.7	117.3	278
14	24G0.5mm²	14.2	138.8	334
15	26G0.5mm²	14.2	147.8	347
16	28G0.5mm²	14.7	157.7	373
17	30G0.5mm²	15.1	168.0	395
18	32G0.5mm²	15.9	178.4	428
19	36G0.5mm²	16.4	198.0	465
20	37G0.5mm²	16.4	202.6	471
21	40G0.5mm²	17.7	219.1	525
22	42G0.5mm²	18.6	230.1	565
23	2X0.75mm²	6.4	23.4	64
24	3G0.75mm²	6.7	31.1	76
25	4G0.75mm²	7.2	39.1	91
26	5G0.75mm²	8.0	47.3	111
27	6G0.75mm²	8.6	58.5	131
28	7G0.75mm²	8.6	65.4	140
29	8G0.75mm²	9.4	74.0	162
30	10G0.75mm²	11.0	91.5	207
31	12G0.75mm²	11.3	106.2	230
32	14G0.75mm²	11.8	121.4	257
33	16G0.75mm²	12.6	136.7	291
34	18G0.75mm²	13.4	152.2	327
35	20G0.75mm²	14.0	167.6	357
36	24G0.75mm²	15.8	199.0	438
37	26G0.75mm²	15.8	212.8	455
38	28G0.75mm²	16.1	227.5	480
39	30G0.75mm²	16.6	242.7	509
40	32G0.75mm²	17.4	258.1	550
41	36G0.75mm²	18.2	287.3	609
42	37G0.75mm²	18.2	294.2	618
43	40G0.75mm²	19.6	318.3	687
44	42G0.75mm²	20.6	334.2	737
45	2X1.0mm²	6.9	29.2	75
46	3G1.0mm²	7.3	39.2	91
47	4G1.0mm²	7.8	49.7	109
48	5G1.0mm²	8.7	63.3	137
49	6G1.0mm²	9.6	74.3	163
50	7G1.0mm²	9.6	83.5	174
51	8G1.0mm²	10.2	94.6	197
52	10G1.0mm²	12.2	117.2	258
53	12G1.0mm²	12.5	136.6	288
54	14G1.0mm²	13.1	156.6	322
55	16G1.0mm²	14.0	176.8	365
56	18G1.0mm²	14.9	197.0	409
57	20G1.0mm²	15.5	217.3	447
58	24G1.0mm²	17.5	258.3	547
59	26G1.0mm²	17.5	276.8	570

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	602
61	30G1.0mm²	18.6	316.1	649
62	32G1.0mm²	19.3	336.3	689
63	36G1.0mm²	20.2	375.0	764
64	37G1.0mm²	20.2	384.2	776
65	40G1.0mm²	21.7	431.4	876
66	42G1.0mm²	22.8	453.0	938
67	2X1.5mm²	7.7	40.2	95
68	3G1.5mm²	8.1	55.0	117
69	4G1.5mm²	9.0	73.4	151
70	5G1.5mm²	10.0	89.2	184
71	6G1.5mm²	11.0	105.2	220
72	7G1.5mm²	11.0	119.0	236
73	8G1.5mm²	11.8	135.0	267
74	10G1.5mm²	14.0	167.6	349
75	12G1.5mm²	14.6	196.4	399
76	14G1.5mm²	15.3	225.9	448
77	16G1.5mm²	16.3	255.5	507
78	18G1.5mm²	17.3	285.3	568
79	20G1.5mm²	18.3	315.1	631
80	24G1.5mm²	20.3	375.4	758
81	26G1.5mm²	20.3	403.0	791
82	28G1.5mm²	20.7	431.8	836
83	30G1.5mm²	21.6	477.1	917
84	32G1.5mm²	22.6	507.4	986
85	36G1.5mm²	23.4	565.6	1078
86	37G1.5mm²	23.4	579.4	1095
87	2X2.5mm²	9.2	64.7	141
88	3G2.5mm²	9.9	89.2	182
89	4G2.5mm²	11.0	114.5	229
90	5G2.5mm²	11.9	140.0	272
91	6G2.5mm²	13.1	165.7	324
92	7G2.5mm²	13.1	188.8	352
93	8G2.5mm²	14.3	214.5	407
94	10G2.5mm²	17.2	266.7	538
95	12G2.5mm²	17.7	314.2	605
96	14G2.5mm²	18.8	362.6	692
97	16G2.5mm²	19.9	411.2	782
98	18G2.5mm²	20.9	459.9	864
99	20G2.5mm²	22.1	525.0	976
100	24G2.5mm²	25.0	625.3	1198
101	30G2.5mm²	26.6	768.5	1424
102	32G2.5mm²	27.7	817.9	1528
103	36G2.5mm²	28.9	913.6	1691
104	37G2.5mm²	28.9	936.7	1718
105	2X4.0mm²	10.8	96.2	199
106	3G4.0mm²	11.6	134.8	259
107	4G4.0mm²	12.9	174.4	327
108	5G4.0mm²	14.2	214.4	399
109	6G4.0mm²	15.6	254.5	476
110	7G4.0mm²	15.6	291.4	518
111	8G4.0mm²	17.0	331.6	579
112	2X6.0mm²	18.4	136.5	355
113	3G6.0mm²	18.4	193.4	427
114	4G6.0mm²	20.3	251.6	541
115	5G6.0mm²	21.9	310.2	651
116	6G6.0mm²	24.4	369.0	796
117	7G6.0mm²	24.4	423.9	859
118	8G6.0mm²	25.1	482.7	955

控制电缆 CONTROL CABLE

02

低烟无卤 控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

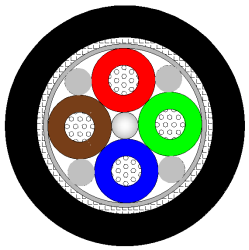
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CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150 ▶
A05Z1C4Z1-F



HFFR-HLKMCE-S-150℃

CE 认证 耐热 150℃型 低烟无卤护套控制电缆

CE certified heat-resistant 150℃ type, low smoke and halogen-free sheathed control cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
辐照交联耐热最高可达 150 度；
电磁兼容 EMC 场合。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：-40 至+ 125℃ / -40 至+ 150℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas. They are suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference.

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Irradiation crosslinking heat resistance up to 150 ℃;
EMC occasions.

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Tinned copper braided shield, about 80% coverage;
Special cross-linked halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire,
X=excluding yellow green grounding protection core wire;
Temperature range: - 40 to+150 ℃;
Minimum bending radius:
fixed installation: 6X cable diameter,
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
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47	4G1.0mm²	7.8	49.7	109
48	5G1.0mm²	8.7	63.3	137
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50	7G1.0mm²	9.6	83.5	174
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52	10G1.0mm²	12.2	117.2	258
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55	16G1.0mm²	14.0	176.8	365
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64	37G1.0mm²	20.2	384.2	776
65	40G1.0mm²	21.7	431.4	876
66	42G1.0mm²	22.8	453.0	938
67	2X1.5mm²	7.7	40.2	95
68	3G1.5mm²	8.1	55.0	117
69	4G1.5mm²	9.0	73.4	151
70	5G1.5mm²	10.0	89.2	184
71	6G1.5mm²	11.0	105.2	220
72	7G1.5mm²	11.0	119.0	236
73	8G1.5mm²	11.8	135.0	267
74	10G1.5mm²	14.0	167.6	349
75	12G1.5mm²	14.6	196.4	399
76	14G1.5mm²	15.3	225.9	448
77	16G1.5mm²	16.3	255.5	507
78	18G1.5mm²	17.3	285.3	568
79	20G1.5mm²	18.3	315.1	631
80	24G1.5mm²	20.3	375.4	758
81	26G1.5mm²	20.3	403.0	791
82	28G1.5mm²	20.7	431.8	836
83	30G1.5mm²	21.6	477.1	917
84	32G1.5mm²	22.6	507.4	986
85	36G1.5mm²	23.4	565.6	1078
86	37G1.5mm²	23.4	579.4	1095
87	2X2.5mm²	9.2	64.7	141
88	3G2.5mm²	9.9	89.2	182
89	4G2.5mm²	11.0	114.5	229
90	5G2.5mm²	11.9	140.0	272
91	6G2.5mm²	13.1	165.7	324
92	7G2.5mm²	13.1	188.8	352
93	8G2.5mm²	14.3	214.5	407
94	10G2.5mm²	17.2	266.7	538
95	12G2.5mm²	17.7	314.2	605
96	14G2.5mm²	18.8	362.6	692
97	16G2.5mm²	19.9	411.2	782
98	18G2.5mm²	20.9	459.9	864
99	20G2.5mm²	22.1	525.0	976
100	24G2.5mm²	25.0	625.3	1198
101	30G2.5mm²	26.6	768.5	1424
102	32G2.5mm²	27.7	817.9	1528
103	36G2.5mm²	28.9	913.6	1691
104	37G2.5mm²	28.9	936.7	1718
105	2X4.0mm²	10.8	96.2	199
106	3G4.0mm²	11.6	134.8	259
107	4G4.0mm²	12.9	174.4	327
108	5G4.0mm²	14.2	214.4	399
109	6G4.0mm²	15.6	254.5	476
110	7G4.0mm²	15.6	291.4	518
111	8G4.0mm²	17.0	331.6	579
112	2X6.0mm²	18.4	136.5	355
113	3G6.0mm²	18.4	193.4	427
114	4G6.0mm²	20.3	251.6	541
115	5G6.0mm²	21.9	310.2	651
116	6G6.0mm²	24.4	369.0	796
117	7G6.0mm²	24.4	423.9	859
118	8G6.0mm²	25.1	482.7	955

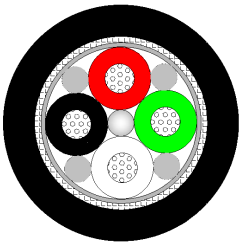
控制电缆 CONTROL CABLE

02

A05Z1C4Z1-F

CE 认证 低烟无卤护套屏蔽控制电缆 300/500V

CE Certified Low Smoke Zero Halogen Sheathed Shielded Control Cable 300V/500V



低烟无卤
控制电缆

LOW SMOKE ZERO HALOGEN CONTROL CABLE

HFFR-HLKMCE
HFFR-HLKMCE-125
HFFR-HLKMCE-150
H03Z1Z1-F
H5Z1Z1-F
H07Z1Z1-F
YY LSZH
CY LSZH
NHXMH
NHXMH(St)
HFFR-HLKMCE-S
HFFR-HLKMCE-S-125
HFFR-HLKMCE-S-150
A05Z1C4Z1-F



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
辐照交联耐热最高可达 150 度；
电磁兼容 EMC 场合。

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
符合 EN50525-3-11；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
特制交联无卤混合物外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：-40 至+ 125℃ / -40 至+ 150℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas. They are suitable for occasions with high population density and high property value. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference.

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Irradiation crosslinking heat resistance up to 150 ℃;
EMC occasions.

Technical certification

CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
Conform to EN50525-3-11;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Tinned copper braided shield, about 80% coverage;
Special cross-linked halogen-free mixture outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire,
X=excluding yellow green grounding protection core wire;
Temperature range: - 40 to+125 ℃ /- 40 to+150 ℃;
Minimum bending radius:
fixed installation: 6X cable diameter,
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.4	19	56
2	2X0.75mm²	6.9	24	67
3	2X1.0mm²	7.3	30	77
4	2X1.5mm²	8.2	44	101
5	2X2.5mm²	9.7	66	144
6	2X4.0mm²	11.1	96	196
7	2X6.0mm²	12.5	134	257
8	3X0.5mm²	6.7	24	67
9	3X0.75mm²	7.3	32	81
10	3X1.0mm²	7.7	43	96
11	3X1.5mm²	8.9	59	129
12	3X2.5mm²	10.5	90	185
13	3X4.0mm²	12.2	135	261
14	3X6.0mm²	13.4	190	337
15	4X0.5mm²	7.3	32	82
16	4X0.75mm²	7.9	43	100
17	4X1.0mm²	8.5	53	120
18	4X1.5mm²	9.8	75	162
19	4X2.5mm²	11.6	115	234
20	4X4.0mm²	13.5	174	332
21	4X6.0mm²	14.8	247	424
22	5X0.5mm²	8.2	38	103
23	5X0.75mm²	8.7	52	122
24	5X1.0mm²	9.3	65	142
25	5X1.5mm²	10.9	91	198
26	5X2.5mm²	12.8	141	286
27	5X4.0mm²	14.9	214	406
28	5X6.0mm²	16.4	305	521
29	6X0.5mm²	9.0	45	122
30	6X0.75mm²	9.6	60	146
31	6X1.0mm²	10.2	76	170
32	6X1.5mm²	12.0	107	237
33	6X2.5mm²	14.1	167	341
34	6X4.0mm²	16.2	254	475
35	6X6.0mm²	18.2	363	630
36	7X0.5mm²	9.0	49	129
37	7X0.75mm²	9.6	67	155
38	7X1.0mm²	10.2	85	182
39	7X1.5mm²	12.0	121	255
40	7X2.5mm²	14.1	189	369
41	7X4.0mm²	16.2	290	517
42	7X6.0mm²	18.2	417	691
43	8X0.5mm²	9.8	55	150
44	8X0.75mm²	10.5	76	181
45	8X1.0mm²	11.4	96	217
46	8X1.5mm²	13.2	137	298
47	8X2.5mm²	15.6	215	434
48	8X4.0mm²	17.8	330	602
49	8X6.0mm²	20.1	489	813
50	9X0.5mm²	10.5	62	167
51	9X0.75mm²	11.4	85	207
52	9X1.0mm²	12.3	107	248
53	9X1.5mm²	14.3	153	341

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
54	9X2.5mm²	16.7	241	486
55	9X4.0mm²	19.3	384	691
56	9X6.0mm²	21.8	548	929
57	10X0.5mm²	11.5	68	193
58	10X0.75mm²	12.5	94	238
59	10X1.0mm²	13.3	119	278
60	10X1.5mm²	15.5	170	382
61	10X2.5mm²	18.3	268	555
62	10X4.0mm²	21.4	427	800
63	10X6.0mm²	24.0	609	1058
64	12X0.5mm²	11.8	78	213
65	12X0.75mm²	12.9	109	264
66	12X1.0mm²	13.9	138	316
67	12X1.5mm²	16.0	199	428
68	12X2.5mm²	18.9	315	625
69	12X4.0mm²	22.4	502	922
70	12X6.0mm²	24.8	719	1211
71	16X0.5mm²	13.2	99	268
72	16X0.75mm²	14.3	139	333
73	16X1.0mm²	15.3	178	392
74	16X1.5mm²	18.0	258	553
75	16X2.5mm²	21.4	427	826
76	20X0.5mm²	14.6	120	327
77	20X0.75mm²	15.9	170	407
78	20X1.0mm²	17.2	219	490
79	20X1.5mm²	20.4	332	706
80	20X2.5mm²	24.0	526	1025
81	24X0.5mm²	16.3	142	394
82	24X0.75mm²	17.5	202	481
83	24X1.0mm²	19.3	274	605
84	24X1.5mm²	22.9	394	859
85	24X2.5mm²	27.1	626	1258
86	25X0.5mm²	16.3	147	401
87	25X0.75mm²	17.5	209	491
88	25X1.0mm²	19.3	283	617
89	25X1.5mm²	22.9	408	877
90	25X2.5mm²	27.1	649	1286
91	30X0.5mm²	17.4	172	465
92	30X0.75mm²	18.9	246	580
93	30X1.0mm²	20.5	332	715
94	30X1.5mm²	24.3	481	1016
95	30X2.5mm²	29.0	768	1508
96	36X0.5mm²	18.8	202	545
97	36X0.75mm²	20.6	305	699
98	36X1.0mm²	22.2	392	840
99	36X1.5mm²	26.3	569	1194
100	36X2.5mm²	31.5	913	1788
101	40X0.5mm²	19.8	236	616
102	40X0.75mm²	21.5	335	767
103	40X1.0mm²	23.2	432	923
104	40X1.5mm²	27.4	627	1310
105	40X2.5mm²	32.8	1008	1961

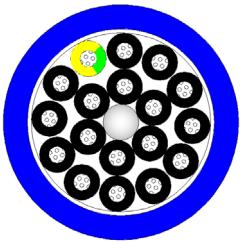
控制电缆 CONTROL CABLE

02

FNFLEX-KP-PUR

CE 认证 PUR 护套柔性控制电缆

CE certified PUR sheathed flexible control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR ▶
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
电缆外径小，节约安装空间。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
PUR sheath, tear and cutting resistant;
The outer diameter of the cable is small, saving installation space.

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Core layer stranding;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	37
2	3G0.5mm²	5.6	13.6	44
3	4G0.5mm²	6.0	18.1	53
4	5G0.5mm²	6.6	22.7	63
5	6G0.5mm²	7.3	27.2	78
6	7G0.5mm²	7.3	31.8	81
7	8G0.5mm²	7.8	36.3	90
8	10G0.5mm²	9.3	45.4	118
9	12G0.5mm²	9.6	54.4	133
10	14G0.5mm²	10.3	63.5	154
11	16G0.5mm²	10.8	72.6	172
12	18G0.5mm²	11.5	81.6	195
13	19G0.5mm²	11.5	86.2	201
14	20G0.5mm²	12.0	90.7	213
15	24G0.5mm²	13.5	108.9	258
16	25G0.5mm²	13.5	113.4	264
17	26G0.5mm²	13.5	117.9	271
18	28G0.5mm²	14.0	127.0	293
19	30G0.5mm²	14.4	136.1	311
20	32G0.5mm²	15.2	145.1	338
21	36G0.5mm²	15.7	163.3	369
22	37G0.5mm²	15.7	167.8	375
23	40G0.5mm²	17.0	181.4	418
24	42G0.5mm²	17.9	190.5	450
25	2X0.75mm²	5.7	13.8	45
26	3G0.75mm²	6.0	20.7	55
27	4G0.75mm²	6.5	27.6	67
28	5G0.75mm²	7.3	34.6	83
29	6G0.75mm²	7.9	41.5	98
30	7G0.75mm²	7.9	48.4	103
31	8G0.75mm²	8.7	55.3	119
32	10G0.75mm²	10.3	69.1	155
33	12G0.75mm²	10.6	82.9	175
34	14G0.75mm²	11.1	96.8	197
35	16G0.75mm²	11.9	110.6	226
36	18G0.75mm²	12.7	124.4	256
37	19G0.75mm²	12.7	131.3	264
38	20G0.75mm²	13.3	138.2	280
39	24G0.75mm²	15.1	165.9	346
40	25G0.75mm²	15.1	172.8	355
41	26G0.75mm²	15.1	179.7	363
42	28G0.75mm²	15.4	193.5	384
43	30G0.75mm²	15.9	207.4	409
44	32G0.75mm²	16.7	221.2	442
45	36G0.75mm²	17.5	248.8	494
46	37G0.75mm²	17.5	255.7	502
47	40G0.75mm²	18.9	276.5	557
48	42G0.75mm²	19.9	290.3	597
49	2X1.0mm²	6.2	18.4	55
50	3G1.0mm²	6.6	27.6	67
51	4G1.0mm²	7.1	36.9	82
52	5G1.0mm²	8.0	46.1	103
53	6G1.0mm²	8.9	55.3	126
54	7G1.0mm²	8.9	64.5	133
55	8G1.0mm²	9.5	73.7	146
56	10G1.0mm²	11.5	92.2	197
57	12G1.0mm²	11.8	110.6	222
58	14G1.0mm²	12.4	129.0	251
59	16G1.0mm²	13.3	147.5	287
60	18G1.0mm²	14.2	165.9	325
61	19G1.0mm²	14.2	175.1	336
62	20G1.0mm²	14.8	184.3	356
63	24G1.0mm²	16.8	221.2	438
64	26G1.0mm²	16.8	239.6	460

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	488
66	30G1.0mm²	17.9	276.5	528
67	32G1.0mm²	18.6	294.9	560
68	36G1.0mm²	19.5	331.8	625
69	37G1.0mm²	19.5	341.0	636
70	40G1.0mm²	21.0	368.6	705
71	42G1.0mm²	22.1	387.1	754
72	2X1.5mm²	7.0	27.6	73
73	3G1.5mm²	7.4	41.5	90
74	4G1.5mm²	8.3	55.3	116
75	5G1.5mm²	9.3	69.1	144
76	6G1.5mm²	10.3	82.9	175
77	7G1.5mm²	10.3	96.8	186
78	8G1.5mm²	11.1	110.6	204
79	10G1.5mm²	13.3	138.2	269
80	12G1.5mm²	13.9	165.9	313
81	14G1.5mm²	14.6	193.5	354
82	16G1.5mm²	15.6	221.2	404
83	18G1.5mm²	16.6	248.8	455
84	19G1.5mm²	16.6	262.6	472
85	20G1.5mm²	17.6	276.5	508
86	24G1.5mm²	19.6	331.8	611
87	26G1.5mm²	19.6	359.4	644
88	28G1.5mm²	20.0	387.1	683
89	30G1.5mm²	20.9	414.7	737
90	32G1.5mm²	21.9	442.4	794
91	37G1.5mm²	22.7	511.5	890
92	2X2.5mm²	8.5	46.1	112
93	3G2.5mm²	9.2	69.1	144
94	4G2.5mm²	10.3	92.2	183
95	5G2.5mm²	11.2	115.2	222
96	6G2.5mm²	12.4	138.2	269
97	7G2.5mm²	12.4	161.3	287
98	8G2.5mm²	13.6	184.3	319
99	10G2.5mm²	16.5	230.4	423
100	12G2.5mm²	17.0	276.5	484
101	14G2.5mm²	18.1	322.5	558
102	16G2.5mm²	19.2	368.6	635
103	18G2.5mm²	20.2	414.7	703
104	19G2.5mm²	20.2	437.7	731
105	20G2.5mm²	21.4	460.8	783
106	24G2.5mm²	24.3	552.9	963
107	25G2.5mm²	24.3	576.0	990
108	30G2.5mm²	25.9	691.2	1164
109	32G2.5mm²	27.0	737.3	1249
110	37G2.5mm²	28.2	852.5	1418
111	2X4.0mm²	10.1	73.8	165
112	3G4.0mm²	10.9	110.7	212
113	4G4.0mm²	12.2	147.6	270
114	5G4.0mm²	13.5	184.5	335
115	6G4.0mm²	14.9	221.4	405
116	7G4.0mm²	14.9	258.3	433
117	8G4.0mm²	16.3	295.2	479
118	10G4.0mm²	19.7	369.0	629
119	12G4.0mm²	20.3	442.8	722
120	16G4.0mm²	22.9	590.4	946
121	2X6.0mm²	12.1	109.8	240
122	3G6.0mm²	13.1	164.7	307
123	4G6.0mm²	14.5	219.6	391
124	5G6.0mm²	16.1	274.5	484
125	6G6.0mm²	17.7	329.4	584
126	7G6.0mm²	17.7	384.3	626
127	8G6.0mm²	19.6	439.2	698
128	10G6.0mm²	23.7	549.0	921
129	12G6.0mm²	24.4	658.8	1059

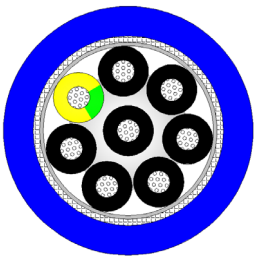
控制电缆 CONTROL CABLE

02

FNFLEX-KCP-PUR

CE 认证 PUR 护套柔性屏蔽控制电缆

CE Certified PUR Sheathed Flexible Shielded Control Cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KP-PUR
FNFLEX-KCP-PUR ➤
FNFLEX-KP-TPE
FNFLEX-KCP-TPE
FNFLEX-KP-TPV
FNFLEX-KCP-TPV
H05BQ-F
H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
PUR 护套，抗撕裂及切割；
电缆外径小，节约安装空间。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
PUR sheath, tear and cutting resistant;
The outer diameter of the cable is small, saving installation space.

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned copper braided shield, about 80% coverage
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	48
2	3G0.5mm²	6.3	23.0	56
3	4G0.5mm²	6.7	28.5	66
4	5G0.5mm²	7.3	34.2	77
5	6G0.5mm²	8.0	40.0	92
6	7G0.5mm²	8.0	44.5	98
7	8G0.5mm²	8.5	53.2	112
8	10G0.5mm²	10.0	65.6	143
9	12G0.5mm²	10.3	75.4	158
10	14G0.5mm²	11.0	85.8	181
11	16G0.5mm²	11.5	96.2	200
12	18G0.5mm²	12.2	106.7	225
13	20G0.5mm²	12.7	117.3	245
14	24G0.5mm²	14.2	138.8	294
15	26G0.5mm²	14.2	147.8	305
16	28G0.5mm²	14.7	157.7	328
17	30G0.5mm²	15.1	168.0	348
18	32G0.5mm²	15.9	178.4	376
19	36G0.5mm²	16.4	198.0	409
20	37G0.5mm²	16.4	202.6	415
21	40G0.5mm²	17.7	219.1	462
22	42G0.5mm²	18.6	230.1	497
23	2X0.75mm²	6.4	23.4	56
24	3G0.75mm²	6.7	31.1	67
25	4G0.75mm²	7.2	39.1	80
26	5G0.75mm²	8.0	47.3	98
27	6G0.75mm²	8.6	58.5	115
28	7G0.75mm²	8.6	65.4	123
29	8G0.75mm²	9.4	74.0	143
30	10G0.75mm²	11.0	91.5	182
31	12G0.75mm²	11.3	106.2	202
32	14G0.75mm²	11.8	121.4	226
33	16G0.75mm²	12.6	136.7	256
34	18G0.75mm²	13.4	152.2	288
35	20G0.75mm²	14.0	167.6	314
36	24G0.75mm²	15.8	199.0	385
37	26G0.75mm²	15.8	212.8	401
38	28G0.75mm²	16.1	227.5	422
39	30G0.75mm²	16.6	242.7	448
40	32G0.75mm²	17.4	258.1	484
41	36G0.75mm²	18.2	287.3	536
42	37G0.75mm²	18.2	294.2	544
43	40G0.75mm²	19.6	318.3	604
44	42G0.75mm²	20.6	334.2	648
45	2X1.0mm²	6.9	29.2	66
46	3G1.0mm²	7.3	39.2	80
47	4G1.0mm²	7.8	49.7	96
48	5G1.0mm²	8.7	63.3	120
49	6G1.0mm²	9.6	74.3	143
50	7G1.0mm²	9.6	83.5	154
51	8G1.0mm²	10.2	94.6	173
52	10G1.0mm²	12.2	117.2	227
53	12G1.0mm²	12.5	136.6	253
54	14G1.0mm²	13.1	156.6	283
55	16G1.0mm²	14.0	176.8	321
56	18G1.0mm²	14.9	197.0	360
57	20G1.0mm²	15.5	217.3	394
58	24G1.0mm²	17.5	258.3	482
59	26G1.0mm²	17.5	276.8	502

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	530
61	30G1.0mm²	18.6	316.1	572
62	32G1.0mm²	19.3	336.3	606
63	36G1.0mm²	20.2	375.0	672
64	37G1.0mm²	20.2	384.2	682
65	40G1.0mm²	21.7	431.4	771
66	42G1.0mm²	22.8	453.0	825
67	2X1.5mm²	7.7	40.2	84
68	3G1.5mm²	8.1	55.0	103
69	4G1.5mm²	9.0	73.4	133
70	5G1.5mm²	10.0	89.2	162
71	6G1.5mm²	11.0	105.2	193
72	7G1.5mm²	11.0	119.0	208
73	8G1.5mm²	11.8	135.0	235
74	10G1.5mm²	14.0	167.6	307
75	12G1.5mm²	14.6	196.4	351
76	14G1.5mm²	15.3	225.9	394
77	16G1.5mm²	16.3	255.5	446
78	18G1.5mm²	17.3	285.3	500
79	20G1.5mm²	18.3	315.1	556
80	24G1.5mm²	20.3	375.4	667
81	26G1.5mm²	20.3	403.0	696
82	28G1.5mm²	20.7	431.8	736
83	30G1.5mm²	21.6	477.1	807
84	32G1.5mm²	22.6	507.4	867
85	36G1.5mm²	23.4	565.6	949
86	37G1.5mm²	23.4	579.4	964
87	2X2.5mm²	9.2	64.7	124
88	3G2.5mm²	9.9	89.2	160
89	4G2.5mm²	11.0	114.5	201
90	5G2.5mm²	11.9	140.0	240
91	6G2.5mm²	13.1	165.7	286
92	7G2.5mm²	13.1	188.8	310
93	8G2.5mm²	14.3	214.5	358
94	10G2.5mm²	17.2	266.7	474
95	12G2.5mm²	17.7	314.2	533
96	14G2.5mm²	18.8	362.6	609
97	16G2.5mm²	19.9	411.2	688
98	18G2.5mm²	20.9	459.9	761
99	20G2.5mm²	22.1	525.0	859
100	24G2.5mm²	25.0	625.3	1054
101	30G2.5mm²	26.6	768.5	1253
102	32G2.5mm²	27.7	817.9	1345
103	36G2.5mm²	28.9	913.6	1488
104	37G2.5mm²	28.9	936.7	1512
105	2X4.0mm²	10.8	96.2	175
106	3G4.0mm²	11.6	134.8	228
107	4G4.0mm²	12.9	174.4	287
108	5G4.0mm²	14.2	214.4	351
109	6G4.0mm²	15.6	254.5	418
110	7G4.0mm²	15.6	291.4	456
111	8G4.0mm²	17.0	331.6	509
112	2X6.0mm²	18.4	136.5	312
113	3G6.0mm²	18.4	193.4	376
114	4G6.0mm²	20.3	251.6	476
115	5G6.0mm²	21.9	310.2	573
116	6G6.0mm²	24.4	369.0	700
117	7G6.0mm²	24.4	423.9	756
118	8G6.0mm²	25.1	482.7	841

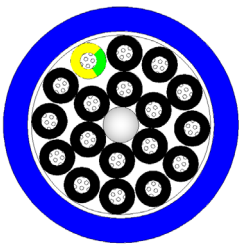
控制电缆 CONTROL CABLE

02

FNFLEX-KP-TPE

CE 认证 TPE 护套柔性控制电缆

CE certified TPE sheathed flexible control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KP-PUR
FNFLEX-KCP-PUR
FNFLEX-KP-TPE
FNFLEX-KCP-TPE
FNFLEX-KP-TPV
FNFLEX-KCP-TPV
H05BQ-F
H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。温度范围广，适用于室内和室外场合。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
低温保持柔软，耐低温最低 -40℃；
电缆外径小，节约安装空间。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE 芯线绝缘；
芯线层绞；
TPE 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-50 至+ 80℃；
移动安装：-40 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Scope of application

These control cables are applicable to automatic equipment installation engineering, industrial machinery, heating and air conditioning installation system, transmission and transmission system, fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Wide temperature range, suitable for indoor and outdoor occasions.

Product characteristics

Halogen free materials;
Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Keep soft at low temperature, and bear low temperature at least - 40 ℃ ;
The outer diameter of the cable is small, saving installation space.

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
TPE core insulation;
Core layer stranding;
TPE outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 50 to+80 ℃ ;
Moved installation: - 40 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	37
2	3G0.5mm²	5.6	13.6	44
3	4G0.5mm²	6.0	18.1	53
4	5G0.5mm²	6.6	22.7	63
5	6G0.5mm²	7.3	27.2	78
6	7G0.5mm²	7.3	31.8	81
7	8G0.5mm²	7.8	36.3	90
8	10G0.5mm²	9.3	45.4	118
9	12G0.5mm²	9.6	54.4	133
10	14G0.5mm²	10.3	63.5	154
11	16G0.5mm²	10.8	72.6	172
12	18G0.5mm²	11.5	81.6	195
13	19G0.5mm²	11.5	86.2	201
14	20G0.5mm²	12.0	90.7	213
15	24G0.5mm²	13.5	108.9	258
16	25G0.5mm²	13.5	113.4	264
17	26G0.5mm²	13.5	117.9	271
18	28G0.5mm²	14.0	127.0	293
19	30G0.5mm²	14.4	136.1	311
20	32G0.5mm²	15.2	145.1	338
21	36G0.5mm²	15.7	163.3	369
22	37G0.5mm²	15.7	167.8	375
23	40G0.5mm²	17.0	181.4	418
24	42G0.5mm²	17.9	190.5	450
25	2X0.75mm²	5.7	13.8	45
26	3G0.75mm²	6.0	20.7	55
27	4G0.75mm²	6.5	27.6	67
28	5G0.75mm²	7.3	34.6	83
29	6G0.75mm²	7.9	41.5	98
30	7G0.75mm²	7.9	48.4	103
31	8G0.75mm²	8.7	55.3	119
32	10G0.75mm²	10.3	69.1	155
33	12G0.75mm²	10.6	82.9	175
34	14G0.75mm²	11.1	96.8	197
35	16G0.75mm²	11.9	110.6	226
36	18G0.75mm²	12.7	124.4	256
37	19G0.75mm²	12.7	131.3	264
38	20G0.75mm²	13.3	138.2	280
39	24G0.75mm²	15.1	165.9	346
40	25G0.75mm²	15.1	172.8	355
41	26G0.75mm²	15.1	179.7	363
42	28G0.75mm²	15.4	193.5	384
43	30G0.75mm²	15.9	207.4	409
44	32G0.75mm²	16.7	221.2	442
45	36G0.75mm²	17.5	248.8	494
46	37G0.75mm²	17.5	255.7	502
47	40G0.75mm²	18.9	276.5	557
48	42G0.75mm²	19.9	290.3	597
49	2X1.0mm²	6.2	18.4	55
50	3G1.0mm²	6.6	27.6	67
51	4G1.0mm²	7.1	36.9	82
52	5G1.0mm²	8.0	46.1	103
53	6G1.0mm²	8.9	55.3	126
54	7G1.0mm²	8.9	64.5	133
55	8G1.0mm²	9.5	73.7	146
56	10G1.0mm²	11.5	92.2	197
57	12G1.0mm²	11.8	110.6	222
58	14G1.0mm²	12.4	129.0	251
59	16G1.0mm²	13.3	147.5	287
60	18G1.0mm²	14.2	165.9	325
61	19G1.0mm²	14.2	175.1	336
62	20G1.0mm²	14.8	184.3	356
63	24G1.0mm²	16.8	221.2	438
64	26G1.0mm²	16.8	239.6	460

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	488
66	30G1.0mm²	17.9	276.5	528
67	32G1.0mm²	18.6	294.9	560
68	36G1.0mm²	19.5	331.8	625
69	37G1.0mm²	19.5	341.0	636
70	40G1.0mm²	21.0	368.6	705
71	42G1.0mm²	22.1	387.1	754
72	2X1.5mm²	7.0	27.6	73
73	3G1.5mm²	7.4	41.5	90
74	4G1.5mm²	8.3	55.3	116
75	5G1.5mm²	9.3	69.1	144
76	6G1.5mm²	10.3	82.9	175
77	7G1.5mm²	10.3	96.8	186
78	8G1.5mm²	11.1	110.6	204
79	10G1.5mm²	13.3	138.2	269
80	12G1.5mm²	13.9	165.9	313
81	14G1.5mm²	14.6	193.5	354
82	16G1.5mm²	15.6	221.2	404
83	18G1.5mm²	16.6	248.8	455
84	19G1.5mm²	16.6	262.6	472
85	20G1.5mm²	17.6	276.5	508
86	24G1.5mm²	19.6	331.8	611
87	26G1.5mm²	19.6	359.4	644
88	28G1.5mm²	20.0	387.1	683
89	30G1.5mm²	20.9	414.7	737
90	32G1.5mm²	21.9	442.4	794
91	37G1.5mm²	22.7	511.5	890
92	2X2.5mm²	8.5	46.1	112
93	3G2.5mm²	9.2	69.1	144
94	4G2.5mm²	10.3	92.2	183
95	5G2.5mm²	11.2	115.2	222
96	6G2.5mm²	12.4	138.2	269
97	7G2.5mm²	12.4	161.3	287
98	8G2.5mm²	13.6	184.3	319
99	10G2.5mm²	16.5	230.4	423
100	12G2.5mm²	17.0	276.5	484
101	14G2.5mm²	18.1	322.5	558
102	16G2.5mm²	19.2	368.6	635
103	18G2.5mm²	20.2	414.7	703
104	19G2.5mm²	20.2	437.7	731
105	20G2.5mm²	21.4	460.8	783
106	24G2.5mm²	24.3	552.9	963
107	25G2.5mm²	24.3	576.0	990
108	30G2.5mm²	25.9	691.2	1164
109	32G2.5mm²	27.0	737.3	1249
110	37G2.5mm²	28.2	852.5	1418
111	2X4.0mm²	10.1	73.8	165
112	3G4.0mm²	10.9	110.7	212
113	4G4.0mm²	12.2	147.6	270
114	5G4.0mm²	13.5	184.5	335
115	6G4.0mm²	14.9	221.4	405
116	7G4.0mm²	14.9	258.3	433
117	8G4.0mm²	16.3	295.2	479
118	10G4.0mm²	19.7	369.0	629
119	12G4.0mm²	20.3	442.8	722
120	16G4.0mm²	22.9	590.4	946
121	2X6.0mm²	12.1	109.8	240
122	3G6.0mm²	13.1	164.7	307
123	4G6.0mm²	14.5	219.6	391
124	5G6.0mm²	16.1	274.5	484
125	6G6.0mm²	17.7	329.4	584
126	7G6.0mm²	17.7	384.3	626
127	8G6.0mm²	19.6	439.2	698
128	10G6.0mm²	23.7	549.0	921
129	12G6.0mm²	24.4	658.8	1059

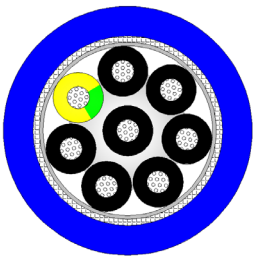
控制电缆 CONTROL CABLE

02

FNFLEX-KCP-TPE

CE 认证 TPE 护套柔性屏蔽控制电缆

CE Certified TPE Sheathed Flexible Shielded Control Cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE ➤
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。温度范围广，适用于室内和室外场合。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
低温保持柔软，耐低温最低 -40℃；
电缆外径小，节约安装空间。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-50 至+ 80℃；
移动安装：-40 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Wide temperature range, suitable for indoor and outdoor occasions.

Product characteristics

Halogen free materials;
Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
Keep soft at low temperature, and bear low temperature at least - 40 ℃ ;
The outer diameter of the cable is small, saving installation space.

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
TPE core insulation;
Tinned copper braided shield, about 80% coverage;
TPE outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 50 to+80 ℃ ;
Moved installation: - 40 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	48
2	3G0.5mm²	6.3	23.0	56
3	4G0.5mm²	6.7	28.5	66
4	5G0.5mm²	7.3	34.2	77
5	6G0.5mm²	8.0	40.0	92
6	7G0.5mm²	8.0	44.5	98
7	8G0.5mm²	8.5	53.2	112
8	10G0.5mm²	10.0	65.6	143
9	12G0.5mm²	10.3	75.4	158
10	14G0.5mm²	11.0	85.8	181
11	16G0.5mm²	11.5	96.2	200
12	18G0.5mm²	12.2	106.7	225
13	20G0.5mm²	12.7	117.3	245
14	24G0.5mm²	14.2	138.8	294
15	26G0.5mm²	14.2	147.8	305
16	28G0.5mm²	14.7	157.7	328
17	30G0.5mm²	15.1	168.0	348
18	32G0.5mm²	15.9	178.4	376
19	36G0.5mm²	16.4	198.0	409
20	37G0.5mm²	16.4	202.6	415
21	40G0.5mm²	17.7	219.1	462
22	42G0.5mm²	18.6	230.1	497
23	2X0.75mm²	6.4	23.4	56
24	3G0.75mm²	6.7	31.1	67
25	4G0.75mm²	7.2	39.1	80
26	5G0.75mm²	8.0	47.3	98
27	6G0.75mm²	8.6	58.5	115
28	7G0.75mm²	8.6	65.4	123
29	8G0.75mm²	9.4	74.0	143
30	10G0.75mm²	11.0	91.5	182
31	12G0.75mm²	11.3	106.2	202
32	14G0.75mm²	11.8	121.4	226
33	16G0.75mm²	12.6	136.7	256
34	18G0.75mm²	13.4	152.2	288
35	20G0.75mm²	14.0	167.6	314
36	24G0.75mm²	15.8	199.0	385
37	26G0.75mm²	15.8	212.8	401
38	28G0.75mm²	16.1	227.5	422
39	30G0.75mm²	16.6	242.7	448
40	32G0.75mm²	17.4	258.1	484
41	36G0.75mm²	18.2	287.3	536
42	37G0.75mm²	18.2	294.2	544
43	40G0.75mm²	19.6	318.3	604
44	42G0.75mm²	20.6	334.2	648
45	2X1.0mm²	6.9	29.2	66
46	3G1.0mm²	7.3	39.2	80
47	4G1.0mm²	7.8	49.7	96
48	5G1.0mm²	8.7	63.3	120
49	6G1.0mm²	9.6	74.3	143
50	7G1.0mm²	9.6	83.5	154
51	8G1.0mm²	10.2	94.6	173
52	10G1.0mm²	12.2	117.2	227
53	12G1.0mm²	12.5	136.6	253
54	14G1.0mm²	13.1	156.6	283
55	16G1.0mm²	14.0	176.8	321
56	18G1.0mm²	14.9	197.0	360
57	20G1.0mm²	15.5	217.3	394
58	24G1.0mm²	17.5	258.3	482
59	26G1.0mm²	17.5	276.8	502

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	530
61	30G1.0mm²	18.6	316.1	572
62	32G1.0mm²	19.3	336.3	606
63	36G1.0mm²	20.2	375.0	672
64	37G1.0mm²	20.2	384.2	682
65	40G1.0mm²	21.7	431.4	771
66	42G1.0mm²	22.8	453.0	825
67	2X1.5mm²	7.7	40.2	84
68	3G1.5mm²	8.1	55.0	103
69	4G1.5mm²	9.0	73.4	133
70	5G1.5mm²	10.0	89.2	162
71	6G1.5mm²	11.0	105.2	193
72	7G1.5mm²	11.0	119.0	208
73	8G1.5mm²	11.8	135.0	235
74	10G1.5mm²	14.0	167.6	307
75	12G1.5mm²	14.6	196.4	351
76	14G1.5mm²	15.3	225.9	394
77	16G1.5mm²	16.3	255.5	446
78	18G1.5mm²	17.3	285.3	500
79	20G1.5mm²	18.3	315.1	556
80	24G1.5mm²	20.3	375.4	667
81	26G1.5mm²	20.3	403.0	696
82	28G1.5mm²	20.7	431.8	736
83	30G1.5mm²	21.6	477.1	807
84	32G1.5mm²	22.6	507.4	867
85	36G1.5mm²	23.4	565.6	949
86	37G1.5mm²	23.4	579.4	964
87	2X2.5mm²	9.2	64.7	124
88	3G2.5mm²	9.9	89.2	160
89	4G2.5mm²	11.0	114.5	201
90	5G2.5mm²	11.9	140.0	240
91	6G2.5mm²	13.1	165.7	286
92	7G2.5mm²	13.1	188.8	310
93	8G2.5mm²	14.3	214.5	358
94	10G2.5mm²	17.2	266.7	474
95	12G2.5mm²	17.7	314.2	533
96	14G2.5mm²	18.8	362.6	609
97	16G2.5mm²	19.9	411.2	688
98	18G2.5mm²	20.9	459.9	761
99	20G2.5mm²	22.1	525.0	859
100	24G2.5mm²	25.0	625.3	1054
101	30G2.5mm²	26.6	768.5	1253
102	32G2.5mm²	27.7	817.9	1345
103	36G2.5mm²	28.9	913.6	1488
104	37G2.5mm²	28.9	936.7	1512
105	2X4.0mm²	10.8	96.2	175
106	3G4.0mm²	11.6	134.8	228
107	4G4.0mm²	12.9	174.4	287
108	5G4.0mm²	14.2	214.4	351
109	6G4.0mm²	15.6	254.5	418
110	7G4.0mm²	15.6	291.4	456
111	8G4.0mm²	17.0	331.6	509
112	2X6.0mm²	18.4	136.5	312
113	3G6.0mm²	18.4	193.4	376
114	4G6.0mm²	20.3	251.6	476
115	5G6.0mm²	21.9	310.2	573
116	6G6.0mm²	24.4	369.0	700
117	7G6.0mm²	24.4	423.9	756
118	8G6.0mm²	25.1	482.7	841

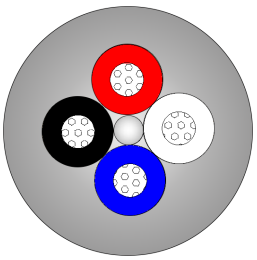
控制电缆 CONTROL CABLE

02

FNFLEX-KP-TPV

CE 认证 TPV 护套柔性控制电缆

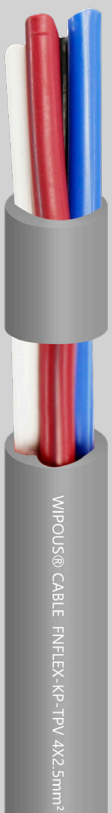
CE certified TPV sheathed flexible control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV ▶
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 ISO6722；
耐低温最低 -60℃；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPV 芯线绝缘；
无纺布绕包；
TPV 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-50 至+ 80℃；
移动安装：-40 至+ 70℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：15X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. They are suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to ISO6722;
Low temperature resistance down to -60℃ ;
Tear-resistant and cut-resistant;
UV-resistant, hydrolysis-resistant and salt spray-resistant.

Technical certification

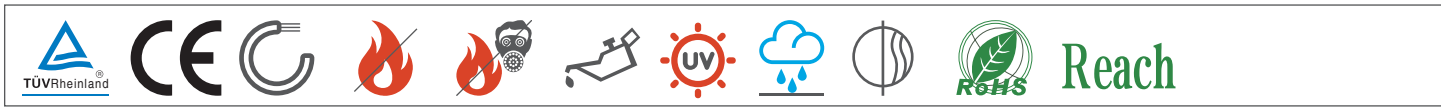
CE certification;
Conform to EN50525-2-21;
RoHS, REACH.

Cable structure

Stranded bare copper，conform to IEC60228, Class 5;
TPV core insulation;
Non-woven fabric wrapping;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 4000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -50 to +80℃ ;
Mobile installation: -40 to +70℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.3	9.1	37
2	3G0.5mm²	5.6	13.6	44
3	4G0.5mm²	6.0	18.1	53
4	5G0.5mm²	6.6	22.7	63
5	6G0.5mm²	7.3	27.2	78
6	7G0.5mm²	7.3	31.8	81
7	8G0.5mm²	7.8	36.3	90
8	10G0.5mm²	9.3	45.4	118
9	12G0.5mm²	9.6	54.4	133
10	14G0.5mm²	10.3	63.5	154
11	16G0.5mm²	10.8	72.6	172
12	18G0.5mm²	11.5	81.6	195
13	19G0.5mm²	11.5	86.2	201
14	20G0.5mm²	12.0	90.7	213
15	24G0.5mm²	13.5	108.9	258
16	25G0.5mm²	13.5	113.4	264
17	26G0.5mm²	13.5	117.9	271
18	28G0.5mm²	14.0	127.0	293
19	30G0.5mm²	14.4	136.1	311
20	32G0.5mm²	15.2	145.1	338
21	36G0.5mm²	15.7	163.3	369
22	37G0.5mm²	15.7	167.8	375
23	40G0.5mm²	17.0	181.4	418
24	42G0.5mm²	17.9	190.5	450
25	2X0.75mm²	5.7	13.8	45
26	3G0.75mm²	6.0	20.7	55
27	4G0.75mm²	6.5	27.6	67
28	5G0.75mm²	7.3	34.6	83
29	6G0.75mm²	7.9	41.5	98
30	7G0.75mm²	7.9	48.4	103
31	8G0.75mm²	8.7	55.3	119
32	10G0.75mm²	10.3	69.1	155
33	12G0.75mm²	10.6	82.9	175
34	14G0.75mm²	11.1	96.8	197
35	16G0.75mm²	11.9	110.6	226
36	18G0.75mm²	12.7	124.4	256
37	19G0.75mm²	12.7	131.3	264
38	20G0.75mm²	13.3	138.2	280
39	24G0.75mm²	15.1	165.9	346
40	25G0.75mm²	15.1	172.8	355
41	26G0.75mm²	15.1	179.7	363
42	28G0.75mm²	15.4	193.5	384
43	30G0.75mm²	15.9	207.4	409
44	32G0.75mm²	16.7	221.2	442
45	36G0.75mm²	17.5	248.8	494
46	37G0.75mm²	17.5	255.7	502
47	40G0.75mm²	18.9	276.5	557
48	42G0.75mm²	19.9	290.3	597
49	2X1.0mm²	6.2	18.4	55
50	3G1.0mm²	6.6	27.6	67
51	4G1.0mm²	7.1	36.9	82
52	5G1.0mm²	8.0	46.1	103
53	6G1.0mm²	8.9	55.3	126
54	7G1.0mm²	8.9	64.5	133
55	8G1.0mm²	9.5	73.7	146
56	10G1.0mm²	11.5	92.2	197
57	12G1.0mm²	11.8	110.6	222
58	14G1.0mm²	12.4	129.0	251
59	16G1.0mm²	13.3	147.5	287
60	18G1.0mm²	14.2	165.9	325
61	19G1.0mm²	14.2	175.1	336
62	20G1.0mm²	14.8	184.3	356
63	24G1.0mm²	16.8	221.2	438
64	26G1.0mm²	16.8	239.6	460

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
65	28G1.0mm²	17.1	258.0	488
66	30G1.0mm²	17.9	276.5	528
67	32G1.0mm²	18.6	294.9	560
68	36G1.0mm²	19.5	331.8	625
69	37G1.0mm²	19.5	341.0	636
70	40G1.0mm²	21.0	368.6	705
71	42G1.0mm²	22.1	387.1	754
72	2X1.5mm²	7.0	27.6	73
73	3G1.5mm²	7.4	41.5	90
74	4G1.5mm²	8.3	55.3	116
75	5G1.5mm²	9.3	69.1	144
76	6G1.5mm²	10.3	82.9	175
77	7G1.5mm²	10.3	96.8	186
78	8G1.5mm²	11.1	110.6	204
79	10G1.5mm²	13.3	138.2	269
80	12G1.5mm²	13.9	165.9	313
81	14G1.5mm²	14.6	193.5	354
82	16G1.5mm²	15.6	221.2	404
83	18G1.5mm²	16.6	248.8	455
84	19G1.5mm²	16.6	262.6	472
85	20G1.5mm²	17.6	276.5	508
86	24G1.5mm²	19.6	331.8	611
87	26G1.5mm²	19.6	359.4	644
88	28G1.5mm²	20.0	387.1	683
89	30G1.5mm²	20.9	414.7	737
90	32G1.5mm²	21.9	442.4	794
91	37G1.5mm²	22.7	511.5	890
92	2X2.5mm²	8.5	46.1	112
93	3G2.5mm²	9.2	69.1	144
94	4G2.5mm²	10.3	92.2	183
95	5G2.5mm²	11.2	115.2	222
96	6G2.5mm²	12.4	138.2	269
97	7G2.5mm²	12.4	161.3	287
98	8G2.5mm²	13.6	184.3	319
99	10G2.5mm²	16.5	230.4	423
100	12G2.5mm²	17.0	276.5	484
101	14G2.5mm²	18.1	322.5	558
102	16G2.5mm²	19.2	368.6	635
103	18G2.5mm²	20.2	414.7	703
104	19G2.5mm²	20.2	437.7	731
105	20G2.5mm²	21.4	460.8	783
106	24G2.5mm²	24.3	552.9	963
107	25G2.5mm²	24.3	576.0	990
108	30G2.5mm²	25.9	691.2	1164
109	32G2.5mm²	27.0	737.3	1249
110	37G2.5mm²	28.2	852.5	1418
111	2X4.0mm²	10.1	73.8	165
112	3G4.0mm²	10.9	110.7	212
113	4G4.0mm²	12.2	147.6	270
114	5G4.0mm²	13.5	184.5	335
115	6G4.0mm²	14.9	221.4	405
116	7G4.0mm²	14.9	258.3	433
117	8G4.0mm²	16.3	295.2	479
118	10G4.0mm²	19.7	369.0	629
119	12G4.0mm²	20.3	442.8	722
120	16G4.0mm²	22.9	590.4	946
121	2X6.0mm²	12.1	109.8	240
122	3G6.0mm²	13.1	164.7	307
123	4G6.0mm²	14.5	219.6	391
124	5G6.0mm²	16.1	274.5	484
125	6G6.0mm²	17.7	329.4	584
126	7G6.0mm²	17.7	384.3	626
127	8G6.0mm²	19.6	439.2	698
128	10G6.0mm²	23.7	549.0	921
129	12G6.0mm²	24.4	658.8	1059

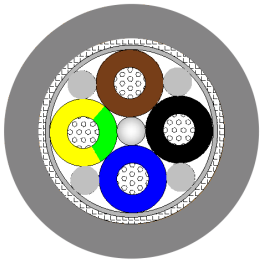
控制电缆 CONTROL CABLE

02

FNFLEX-KCP-TPV

CE 认证 TPV 护套柔性屏蔽控制电缆

CE certified TPV sheathed flexible shielded control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KP-PUR
FNFLEX-KCP-PUR
FNFLEX-KP-TPE
FNFLEX-KCP-TPE
FNFLEX-KP-TPV
FNFLEX-KCP-TPV ➤
H05BQ-F
H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 ISO6722；
电磁兼容 EMC 场合；
耐低温最低 -60℃；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPV 芯线绝缘；
镀锡铜编织屏蔽，大约 80% 覆盖率；
TPV 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load, and are suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to ISO6722;
Suitable for electromagnetic compatibility (EMC) occasions;
Low temperature resistance down to -60℃ ;
Tear-resistant and cut-resistant;
UV-resistant, hydrolysis-resistant and salt spray-resistant.

Technical certification

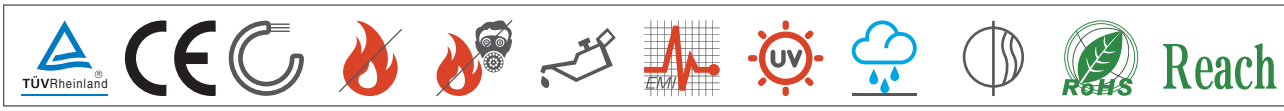
CE certification;
Conform to EN50525-2-21;
RoHS, REACH.

Cable structure

Stranded bare copper，conform to IEC60228, Class 5;
TPV core insulation;
Tinned copper braided shield with approximately 80% coverage;
TPV outer sheath;
Outer sheath color: gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 4000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +80℃ ;
Mobile installation: -5 to +70℃ ;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



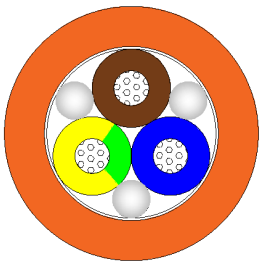
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.0	17.8	48
2	3G0.5mm²	6.3	23.0	56
3	4G0.5mm²	6.7	28.5	66
4	5G0.5mm²	7.3	34.2	77
5	6G0.5mm²	8.0	40.0	92
6	7G0.5mm²	8.0	44.5	98
7	8G0.5mm²	8.5	53.2	112
8	10G0.5mm²	10.0	65.6	143
9	12G0.5mm²	10.3	75.4	158
10	14G0.5mm²	11.0	85.8	181
11	16G0.5mm²	11.5	96.2	200
12	18G0.5mm²	12.2	106.7	225
13	20G0.5mm²	12.7	117.3	245
14	24G0.5mm²	14.2	138.8	294
15	26G0.5mm²	14.2	147.8	305
16	28G0.5mm²	14.7	157.7	328
17	30G0.5mm²	15.1	168.0	348
18	32G0.5mm²	15.9	178.4	376
19	36G0.5mm²	16.4	198.0	409
20	37G0.5mm²	16.4	202.6	415
21	40G0.5mm²	17.7	219.1	462
22	42G0.5mm²	18.6	230.1	497
23	2X0.75mm²	6.4	23.4	56
24	3G0.75mm²	6.7	31.1	67
25	4G0.75mm²	7.2	39.1	80
26	5G0.75mm²	8.0	47.3	98
27	6G0.75mm²	8.6	58.5	115
28	7G0.75mm²	8.6	65.4	123
29	8G0.75mm²	9.4	74.0	143
30	10G0.75mm²	11.0	91.5	182
31	12G0.75mm²	11.3	106.2	202
32	14G0.75mm²	11.8	121.4	226
33	16G0.75mm²	12.6	136.7	256
34	18G0.75mm²	13.4	152.2	288
35	20G0.75mm²	14.0	167.6	314
36	24G0.75mm²	15.8	199.0	385
37	26G0.75mm²	15.8	212.8	401
38	28G0.75mm²	16.1	227.5	422
39	30G0.75mm²	16.6	242.7	448
40	32G0.75mm²	17.4	258.1	484
41	36G0.75mm²	18.2	287.3	536
42	37G0.75mm²	18.2	294.2	544
43	40G0.75mm²	19.6	318.3	604
44	42G0.75mm²	20.6	334.2	648
45	2X1.0mm²	6.9	29.2	66
46	3G1.0mm²	7.3	39.2	80
47	4G1.0mm²	7.8	49.7	96
48	5G1.0mm²	8.7	63.3	120
49	6G1.0mm²	9.6	74.3	143
50	7G1.0mm²	9.6	83.5	154
51	8G1.0mm²	10.2	94.6	173
52	10G1.0mm²	12.2	117.2	227
53	12G1.0mm²	12.5	136.6	253
54	14G1.0mm²	13.1	156.6	283
55	16G1.0mm²	14.0	176.8	321
56	18G1.0mm²	14.9	197.0	360
57	20G1.0mm²	15.5	217.3	394
58	24G1.0mm²	17.5	258.3	482
59	26G1.0mm²	17.5	276.8	502

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
60	28G1.0mm²	17.8	296.1	530
61	30G1.0mm²	18.6	316.1	572
62	32G1.0mm²	19.3	336.3	606
63	36G1.0mm²	20.2	375.0	672
64	37G1.0mm²	20.2	384.2	682
65	40G1.0mm²	21.7	431.4	771
66	42G1.0mm²	22.8	453.0	825
67	2X1.5mm²	7.7	40.2	84
68	3G1.5mm²	8.1	55.0	103
69	4G1.5mm²	9.0	73.4	133
70	5G1.5mm²	10.0	89.2	162
71	6G1.5mm²	11.0	105.2	193
72	7G1.5mm²	11.0	119.0	208
73	8G1.5mm²	11.8	135.0	235
74	10G1.5mm²	14.0	167.6	307
75	12G1.5mm²	14.6	196.4	351
76	14G1.5mm²	15.3	225.9	394
77	16G1.5mm²	16.3	255.5	446
78	18G1.5mm²	17.3	285.3	500
79	20G1.5mm²	18.3	315.1	556
80	24G1.5mm²	20.3	375.4	667
81	26G1.5mm²	20.3	403.0	696
82	28G1.5mm²	20.7	431.8	736
83	30G1.5mm²	21.6	477.1	807
84	32G1.5mm²	22.6	507.4	867
85	36G1.5mm²	23.4	565.6	949
86	37G1.5mm²	23.4	579.4	964
87	2X2.5mm²	9.2	64.7	124
88	3G2.5mm²	9.9	89.2	160
89	4G2.5mm²	11.0	114.5	201
90	5G2.5mm²	11.9	140.0	240
91	6G2.5mm²	13.1	165.7	286
92	7G2.5mm²	13.1	188.8	310
93	8G2.5mm²	14.3	214.5	358
94	10G2.5mm²	17.2	266.7	474
95	12G2.5mm²	17.7	314.2	533
96	14G2.5mm²	18.8	362.6	609
97	16G2.5mm²	19.9	411.2	688
98	18G2.5mm²	20.9	459.9	761
99	20G2.5mm²	22.1	525.0	859
100	24G2.5mm²	25.0	625.3	1054
101	30G2.5mm²	26.6	768.5	1253
102	32G2.5mm²	27.7	817.9	1345
103	36G2.5mm²	28.9	913.6	1488
104	37G2.5mm²	28.9	936.7	1512
105	2X4.0mm²	10.8	96.2	175
106	3G4.0mm²	11.6	134.8	228
107	4G4.0mm²	12.9	174.4	287
108	5G4.0mm²	14.2	214.4	351
109	6G4.0mm²	15.6	254.5	418
110	7G4.0mm²	15.6	291.4	456
111	8G4.0mm²	17.0	331.6	509
112	2X6.0mm²	18.4	136.5	312
113	3G6.0mm²	18.4	193.4	376
114	4G6.0mm²	20.3	251.6	476
115	5G6.0mm²	21.9	310.2	573
116	6G6.0mm²	24.4	369.0	700
117	7G6.0mm²	24.4	423.9	756
118	8G6.0mm²	25.1	482.7	841

H05BQ-F

CE 认证 EPR 绝缘 PUR 护套柔性控制电缆 300V/500V

CE certified EPR insulated and PUR sheathed flexible control cable, 300V/500V



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
低温保持柔软，耐低温最低 -40℃；
电缆外径小，节约安装空间。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Remains flexible at low temperatures, with a minimum low-temperature resistance of -40℃;
Small cable outer diameter, saving installation space.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-21;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
芯线层绞；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
EPR core insulation;
Core wires twisted in layers;
PUR outer sheath;
Outer sheath color: gray (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：−40 至+ 90℃；
移动安装：−20 至+ 90℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core:
G = with yellow−green grounding protection core;
X = without yellow−green grounding protection core;
Temperature range:
Fixed installation: −40 to +90℃ ;
Mobile installation: −20 to +90℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	3X1.5mm²	8.2	41	98
2	3X2.5mm²	9.2	68	135
3	3X1.5mm²	8.7	41	105
4	3X2.5mm²	9.7	68	143
5	3X4.0mm²	11.1	110	202
6	3X6.0mm²	12.5	162	273
7	3X10mm²	15.8	275	439
8	3X16mm²	13.7	158	297
9	3X25mm²	23.0	688	997
10	3X35mm²	26.2	963	1341
11	4X2.5mm²	10.6	91	181
12	4X4.0mm²	12.1	146	256

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	4X6.0mm²	13.6	216	348
14	4X10mm²	17.3	367	562
15	4X16mm²	15.2	211	381
16	4X25mm²	25.7	918	1307
17	4X35mm²	29.3	1283	1758
18	5X2.5mm²	12.0	114	229
19	5X4.0mm²	13.6	183	323
20	5X6.0mm²	15.4	270	438
21	5X10mm²	19.2	459	696
22	5X16mm²	16.7	264	469
23	5X25mm²	28.5	1147	1618
24	5X35mm²	32.6	1604	2189

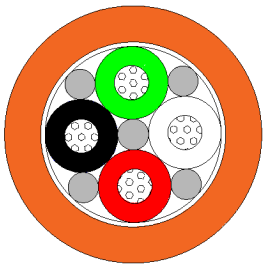
控制电缆 CONTROL CABLE

02

H07BQ-F

CE 认证 EPR 绝缘 PUR 护套柔性控制电缆 450/750V

CE certified EPR insulated and PUR sheathed flexible control cable, 450/750V



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F ➤
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆可用于动力，控制和连接线，广泛应用于电气设备等场合。适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。室外使用需要防紫外线保护。不适合地下直埋。

Scope of application

These control cables can be used for power, control and connection lines, and are widely applied in electrical equipment and other occasions. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. UV protection is required for outdoor use. Not suitable for direct underground burial.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
低温保持柔软，耐低温最低 -40℃；
电缆外径小，节约安装空间。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
Remains flexible at low temperatures, with a minimum low-temperature resistance of -40℃;
Small cable outer diameter, saving installation space.

技术认证

CE 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-21;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
芯线层绞；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5;
EPR core insulation;
Core wires twisted in layers;
PUR outer sheath;
Outer sheath color: gray (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：450/750V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：−40 至+ 90℃；
移动安装：−20 至+ 90℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：12.5X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 450/750V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2500V;
Grounding protection core:
G = with yellow−green grounding protection core;
X = without yellow−green grounding protection core;
Temperature range:
Fixed installation: −40 to +90℃ ;
Mobile installation: −20 to +90℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 12.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	3X1.5mm²	8.2	41	98
2	3X2.5mm²	9.2	68	135
3	3X1.5mm²	8.7	41	105
4	3X2.5mm²	9.7	68	143
5	3X4.0mm²	11.1	110	202
6	3X6.0mm²	12.5	162	273
7	3X10mm²	15.8	275	439
8	3X16mm²	13.7	158	297
9	3X25mm²	23.0	688	997
10	3X35mm²	26.2	963	1341
11	4X2.5mm²	10.6	91	181
12	4X4.0mm²	12.1	146	256

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	4X6.0mm²	13.6	216	348
14	4X10mm²	17.3	367	562
15	4X16mm²	15.2	211	381
16	4X25mm²	25.7	918	1307
17	4X35mm²	29.3	1283	1758
18	5X2.5mm²	12.0	114	229
19	5X4.0mm²	13.6	183	323
20	5X6.0mm²	15.4	270	438
21	5X10mm²	19.2	459	696
22	5X16mm²	16.7	264	469
23	5X25mm²	28.5	1147	1618
24	5X35mm²	32.6	1604	2189

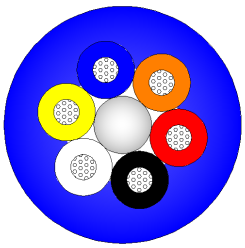
控制电缆 CONTROL CABLE

02

AWM 20234

UL/CUL 认证 PUR 护套柔性控制电缆

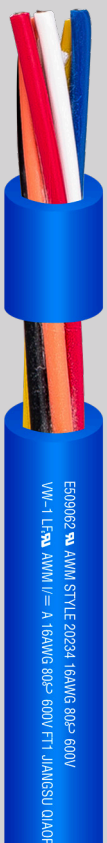
UL/CUL certified PUR sheathed flexible control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KP-PUR
FNFLEX-KCP-PUR
FNFLEX-KP-TPE
FNFLEX-KCP-TPE
FNFLEX-KP-TPV
FNFLEX-KCP-TPV
H05BQ-F
H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
北美市场广泛认可。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20234，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
芯线层绞；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Oil resistance conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Widely recognized in the North American market.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20234, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, complying with IEC60228 standard, Class 5;
PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Core layer stranding;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.



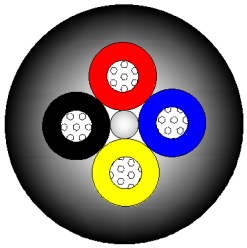
物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	39
2	3G20AWG	6.1	14.8	49
3	4G20AWG	6.9	19.7	63
4	5G20AWG	7.4	24.7	76
5	6G20AWG	8.3	29.6	91
6	7G20AWG	8.9	34.6	104
7	8G20AWG	9.8	39.5	131
8	10G20AWG	10.7	49.4	145
9	12G20AWG	11.0	59.2	164
10	16G20AWG	12.3	79.0	213
11	18G20AWG	13.2	88.8	242
12	20G20AWG	13.8	98.7	266
13	24G20AWG	15.4	118.5	332
14	30G20AWG	16.5	148.1	383
15	36G20AWG	17.9	177.7	456
16	40G20AWG	19.3	197.4	522
17	2X18AWG	6.3	15.6	48
18	3G18AWG	6.8	23.4	65
19	4G18AWG	7.7	31.1	84
20	5G18AWG	8.3	38.9	101
21	6G18AWG	9.2	46.7	121
22	7G18AWG	9.9	54.5	145
23	8G18AWG	10.9	62.3	173
24	10G18AWG	11.9	77.8	193
25	12G18AWG	12.2	93.4	219
26	16G18AWG	13.7	124.5	285
27	18G18AWG	14.4	140.1	317
28	20G18AWG	15.3	155.7	362
29	24G18AWG	17.1	186.8	443
30	30G18AWG	18.3	233.5	513
31	36G18AWG	19.8	280.2	611
32	40G18AWG	21.4	311.3	698
33	2X16AWG	7.1	24.1	65
34	3G16AWG	7.5	36.2	84
35	4G16AWG	8.4	48.2	110
36	5G16AWG	9.3	60.3	136
37	6G16AWG	10.3	72.3	162
38	7G16AWG	11.3	84.4	200
39	8G16AWG	12.4	96.4	237
40	10G16AWG	13.1	120.5	254
41	12G16AWG	13.7	144.6	296
42	16G16AWG	15.1	192.8	380
43	18G16AWG	16.1	216.9	430
44	20G16AWG	17.1	241.0	490
45	25G16AWG	19.1	301.3	591

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	22.3	433.8	840
47	2X14AWG	8.1	38.0	90
48	3G14AWG	8.6	57.0	118
49	4G14AWG	9.5	76.0	153
50	5G14AWG	10.6	95.0	190
51	6G14AWG	11.7	114.0	226
52	7G14AWG	12.8	133.0	278
53	8G14AWG	13.9	152.0	322
54	10G14AWG	15.1	190.0	362
55	12G14AWG	15.6	228.0	416
56	16G14AWG	17.4	304.0	544
57	18G14AWG	18.5	342.1	613
58	20G14AWG	19.6	380.1	697
59	24G14AWG	22.1	456.1	858
60	2X12AWG	9.1	60.3	122
61	3G12AWG	9.8	90.4	168
62	4G12AWG	11.0	120.5	218
63	5G12AWG	12.2	150.6	271
64	6G12AWG	13.4	180.8	321
65	7G12AWG	14.7	210.9	394
66	8G12AWG	16.1	241.0	464
67	10G12AWG	17.5	301.3	524
68	12G12AWG	18.0	361.5	603
69	16G12AWG	20.2	482.0	790
70	2X10AWG	11.4	97.3	185
71	3G10AWG	12.3	146.0	254
72	4G10AWG	13.6	194.7	330
73	5G10AWG	15.1	243.3	426
74	2X8AWG	14.4	155.7	295
75	3G8AWG	15.4	233.6	404
76	4G8AWG	17.0	311.5	517
77	5G8AWG	18.7	389.3	667
78	2X6AWG	18.6	246.6	474
79	3G6AWG	19.9	369.9	650
80	4G6AWG	22.4	493.1	854
81	5G6AWG	24.9	616.4	1115
82	2X4AWG	22.0	405.1	714
83	3G4AWG	23.7	607.6	995
84	4G4AWG	26.1	810.2	1282
85	5G4AWG	29.4	1012.7	1691
86	2X2AWG	26.0	598.8	1027
87	3G2AWG	27.6	898.2	1406
88	4G2AWG	31.2	1197.6	1869
89	5G2AWG	34.6	1497.1	2417

AWM 20940

UL/CUL 认证 PUR 护套柔性控制电缆

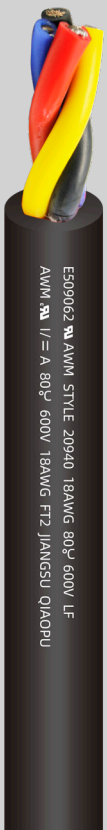
UL/CUL Certified PUR Sheathed Flexible Control Cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940 ➤
- AWM 20234-S
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
北美市场广泛认可。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Oil resistance conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Widely recognized in the North American market.

技术认证

符合 UL AWM 20940 型；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

conform to UL AWM 20940;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded tinned copper wire, complying with IEC60228 standard, Class 5;
PVC core wire insulation;
Core layer stranding;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire,
X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ ;
Minimum bending radius:
fixed installation: 4X cable diameter,
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	39
2	3G20AWG	6.1	14.8	49
3	4G20AWG	6.9	19.7	63
4	5G20AWG	7.4	24.7	76
5	6G20AWG	8.3	29.6	91
6	7G20AWG	8.9	34.6	104
7	8G20AWG	9.8	39.5	131
8	10G20AWG	10.7	49.4	145
9	12G20AWG	11.0	59.2	164
10	16G20AWG	12.3	79.0	213
11	18G20AWG	13.2	88.8	242
12	20G20AWG	13.8	98.7	266
13	24G20AWG	15.4	118.5	332
14	30G20AWG	16.5	148.1	383
15	36G20AWG	17.9	177.7	456
16	40G20AWG	19.3	197.4	522
17	2X18AWG	6.3	15.6	48
18	3G18AWG	6.8	23.4	65
19	4G18AWG	7.7	31.1	84
20	5G18AWG	8.3	38.9	101
21	6G18AWG	9.2	46.7	121
22	7G18AWG	9.9	54.5	145
23	8G18AWG	10.9	62.3	173
24	10G18AWG	11.9	77.8	193
25	12G18AWG	12.2	93.4	219
26	16G18AWG	13.7	124.5	285
27	18G18AWG	14.4	140.1	317
28	20G18AWG	15.3	155.7	362
29	24G18AWG	17.1	186.8	443
30	30G18AWG	18.3	233.5	513
31	36G18AWG	19.8	280.2	611
32	40G18AWG	21.4	311.3	698
33	2X16AWG	7.1	24.1	65
34	3G16AWG	7.5	36.2	84
35	4G16AWG	8.4	48.2	110
36	5G16AWG	9.3	60.3	136
37	6G16AWG	10.3	72.3	162
38	7G16AWG	11.3	84.4	200
39	8G16AWG	12.4	96.4	237
40	10G16AWG	13.1	120.5	254
41	12G16AWG	13.7	144.6	296
42	16G16AWG	15.1	192.8	380
43	18G16AWG	16.1	216.9	430
44	20G16AWG	17.1	241.0	490
45	25G16AWG	19.1	301.3	591

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	22.3	433.8	840
47	2X14AWG	8.1	38.0	90
48	3G14AWG	8.6	57.0	118
49	4G14AWG	9.5	76.0	153
50	5G14AWG	10.6	95.0	190
51	6G14AWG	11.7	114.0	226
52	7G14AWG	12.8	133.0	278
53	8G14AWG	13.9	152.0	322
54	10G14AWG	15.1	190.0	362
55	12G14AWG	15.6	228.0	416
56	16G14AWG	17.4	304.0	544
57	18G14AWG	18.5	342.1	613
58	20G14AWG	19.6	380.1	697
59	24G14AWG	22.1	456.1	858
60	2X12AWG	9.1	60.3	122
61	3G12AWG	9.8	90.4	168
62	4G12AWG	11.0	120.5	218
63	5G12AWG	12.2	150.6	271
64	6G12AWG	13.4	180.8	321
65	7G12AWG	14.7	210.9	394
66	8G12AWG	16.1	241.0	464
67	10G12AWG	17.5	301.3	524
68	12G12AWG	18.0	361.5	603
69	16G12AWG	20.2	482.0	790
70	2X10AWG	11.4	97.3	185
71	3G10AWG	12.3	146.0	254
72	4G10AWG	13.6	194.7	330
73	5G10AWG	15.1	243.3	426
74	2X8AWG	14.4	155.7	295
75	3G8AWG	15.4	233.6	404
76	4G8AWG	17.0	311.5	517
77	5G8AWG	18.7	389.3	667
78	2X6AWG	18.6	246.6	474
79	3G6AWG	19.9	369.9	650
80	4G6AWG	22.4	493.1	854
81	5G6AWG	24.9	616.4	1115
82	2X4AWG	22.0	405.1	714
83	3G4AWG	23.7	607.6	995
84	4G4AWG	26.1	810.2	1282
85	5G4AWG	29.4	1012.7	1691
86	2X2AWG	26.0	598.8	1027
87	3G2AWG	27.6	898.2	1406
88	4G2AWG	31.2	1197.6	1869
89	5G2AWG	34.6	1497.1	2417

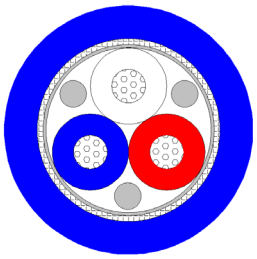
控制电缆 CONTROL CABLE

02

AWM 20234-S

UL/CUL 认证 PUR 护套柔性屏蔽控制电缆

UL/CUL Certified PUR Sheathed Flexible Shielded Control Cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940
- AWM 20234-S ➤
- AWM 20940-S
- AWM 22187
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
电磁兼容 EMC 场合；
北美市场广泛认可。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20234，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Oil resistance conform to EN60811-404;
PUR sheath, tear and cutting resistant;
EMC occasions;
Widely recognized in the North American market.

Technical certification

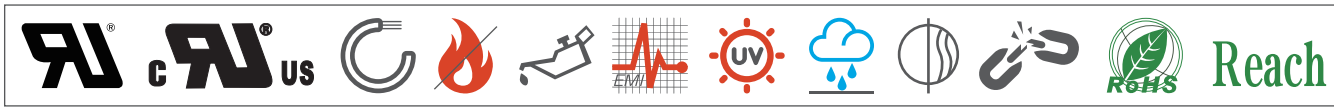
UL/cUL certification;
conform to UL758 TYPE 20234, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	6.5	20.5	54
2	3G20AWG	6.8	26.2	65
3	4G20AWG	7.6	32.5	81
4	5G20AWG	8.1	41.8	98
5	6G20AWG	9.0	48.6	115
6	7G20AWG	9.6	55.3	131
7	8G20AWG	10.5	62.4	161
8	10G20AWG	11.4	74.4	178
9	12G20AWG	11.7	85.2	197
10	16G20AWG	13.0	108.3	251
11	18G20AWG	13.9	120.0	282
12	20G20AWG	14.5	131.7	308
13	24G20AWG	16.1	155.7	379
14	30G20AWG	17.2	187.9	433
15	36G20AWG	18.6	221.0	511
16	40G20AWG	20.0	260.4	597
17	2X18AWG	7.0	27.4	65
18	3G18AWG	7.5	36.1	83
19	4G18AWG	8.4	48.3	107
20	5G18AWG	9.0	58.1	126
21	6G18AWG	9.9	67.9	148
22	7G18AWG	10.6	77.7	175
23	8G18AWG	11.6	87.9	206
24	10G18AWG	12.6	105.9	229
25	12G18AWG	12.9	122.5	256
26	16G18AWG	14.4	157.3	327
27	18G18AWG	15.1	175.0	361
28	20G18AWG	16.0	192.6	409
29	24G18AWG	17.8	228.5	495
30	30G18AWG	19.0	278.1	569
31	36G18AWG	20.5	345.2	689
32	40G18AWG	22.1	381.8	782
33	2X16AWG	7.8	40.3	86
34	3G16AWG	8.2	53.5	107
35	4G16AWG	9.1	67.6	135
36	5G16AWG	10.0	81.8	164
37	6G16AWG	11.0	96.2	193
38	7G16AWG	12.0	110.5	234
39	8G16AWG	13.1	125.3	275
40	10G16AWG	13.8	152.1	294
41	12G16AWG	14.4	177.4	338
42	16G16AWG	15.8	229.8	427
43	18G16AWG	16.8	256.2	479
44	20G16AWG	17.8	282.6	542
45	25G16AWG	19.8	348.3	650

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	23.0	507.1	927
47	2X14AWG	8.8	56.5	114
48	3G14AWG	9.3	76.9	144
49	4G14AWG	10.2	98.2	182
50	5G14AWG	11.3	119.8	222
51	6G14AWG	12.4	141.4	261
52	7G14AWG	13.5	163.1	316
53	8G14AWG	14.6	185.2	364
54	10G14AWG	15.8	226.4	408
55	12G14AWG	16.3	265.7	463
56	16G14AWG	18.1	346.6	597
57	18G14AWG	19.2	387.3	670
58	20G14AWG	20.3	444.3	773
59	24G14AWG	22.8	528.6	944
60	2X12AWG	9.8	81.7	150
61	3G12AWG	10.5	113.4	197
62	4G12AWG	11.7	146.3	252
63	5G12AWG	12.9	179.4	308
64	6G12AWG	14.1	212.6	362
65	7G12AWG	15.4	245.9	438
66	8G12AWG	16.8	279.6	513
67	10G12AWG	18.2	343.5	577
68	12G12AWG	18.7	405.4	659
69	16G12AWG	20.9	548.4	869
70	2X10AWG	12.0	124.2	219
71	3G10AWG	12.9	174.8	291
72	4G10AWG	14.2	227.0	371
73	5G10AWG	15.7	279.3	471
74	2X8AWG	15.0	189.7	338
75	3G8AWG	16.0	270.1	450
76	4G8AWG	17.6	352.4	568
77	5G8AWG	19.3	450.4	740
78	2X6AWG	19.2	307.2	546
79	3G6AWG	20.5	435.0	728
80	4G6AWG	23.0	566.3	941
81	5G6AWG	25.5	697.9	1211
82	2X4AWG	22.6	476.8	800
83	3G4AWG	24.3	684.6	1087
84	4G4AWG	26.7	896.7	1384
85	5G4AWG	30.0	1109.1	1805
86	2X2AWG	26.6	683.2	1128
87	3G2AWG	28.2	988.9	1513
88	4G2AWG	31.8	1299.5	1990
89	5G2AWG	35.2	1610.5	2551

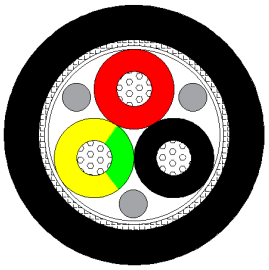
控制电缆 CONTROL CABLE

02

AWM 20940-S

UL/CUL 认证 PUR 护套柔性屏蔽控制电缆

UL/CUL Certified PUR Sheathed Flexible Shielded Control Cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KP-PUR
FNFLEX-KCP-PUR
FNFLEX-KP-TPE
FNFLEX-KCP-TPE
FNFLEX-KP-TPV
FNFLEX-KCP-TPV
H05BQ-F
H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S ➤
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
电磁兼容 EMC 场合；
北美市场广泛认可。

技术认证

符合 UL AWM 20940 型；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automatic equipment installation engineering, industrial machinery, heating and air-conditioning installation system, transmission and transmission system. The aluminum foil+tinned copper wire double shielding is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Oil resistance conform to EN60811-404;
PUR sheath, tear and cutting resistant;
EMC occasions;
Widely recognized in the North American market.

Technical certification

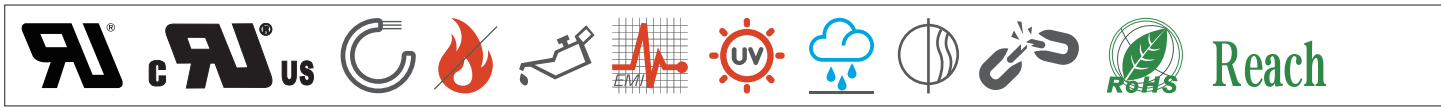
conform to UL AWM 20940;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire,
X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ ;
Minimum bending radius:
fixed installation: 6X cable diameter,
occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	6.5	20.5	54
2	3G20AWG	6.8	26.2	65
3	4G20AWG	7.6	32.5	81
4	5G20AWG	8.1	41.8	98
5	6G20AWG	9.0	48.6	115
6	7G20AWG	9.6	55.3	131
7	8G20AWG	10.5	62.4	161
8	10G20AWG	11.4	74.4	178
9	12G20AWG	11.7	85.2	197
10	16G20AWG	13.0	108.3	251
11	18G20AWG	13.9	120.0	282
12	20G20AWG	14.5	131.7	308
13	24G20AWG	16.1	155.7	379
14	30G20AWG	17.2	187.9	433
15	36G20AWG	18.6	221.0	511
16	40G20AWG	20.0	260.4	597
17	2X18AWG	7.0	27.4	65
18	3G18AWG	7.5	36.1	83
19	4G18AWG	8.4	48.3	107
20	5G18AWG	9.0	58.1	126
21	6G18AWG	9.9	67.9	148
22	7G18AWG	10.6	77.7	175
23	8G18AWG	11.6	87.9	206
24	10G18AWG	12.6	105.9	229
25	12G18AWG	12.9	122.5	256
26	16G18AWG	14.4	157.3	327
27	18G18AWG	15.1	175.0	361
28	20G18AWG	16.0	192.6	409
29	24G18AWG	17.8	228.5	495
30	30G18AWG	19.0	278.1	569
31	36G18AWG	20.5	345.2	689
32	40G18AWG	22.1	381.8	782
33	2X16AWG	7.8	40.3	86
34	3G16AWG	8.2	53.5	107
35	4G16AWG	9.1	67.6	135
36	5G16AWG	10.0	81.8	164
37	6G16AWG	11.0	96.2	193
38	7G16AWG	12.0	110.5	234
39	8G16AWG	13.1	125.3	275
40	10G16AWG	13.8	152.1	294
41	12G16AWG	14.4	177.4	338
42	16G16AWG	15.8	229.8	427
43	18G16AWG	16.8	256.2	479
44	20G16AWG	17.8	282.6	542
45	25G16AWG	19.8	348.3	650

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	23.0	507.1	927
47	2X14AWG	8.8	56.5	114
48	3G14AWG	9.3	76.9	144
49	4G14AWG	10.2	98.2	182
50	5G14AWG	11.3	119.8	222
51	6G14AWG	12.4	141.4	261
52	7G14AWG	13.5	163.1	316
53	8G14AWG	14.6	185.2	364
54	10G14AWG	15.8	226.4	408
55	12G14AWG	16.3	265.7	463
56	16G14AWG	18.1	346.6	597
57	18G14AWG	19.2	387.3	670
58	20G14AWG	20.3	444.3	773
59	24G14AWG	22.8	528.6	944
60	2X12AWG	9.8	81.7	150
61	3G12AWG	10.5	113.4	197
62	4G12AWG	11.7	146.3	252
63	5G12AWG	12.9	179.4	308
64	6G12AWG	14.1	212.6	362
65	7G12AWG	15.4	245.9	438
66	8G12AWG	16.8	279.6	513
67	10G12AWG	18.2	343.5	577
68	12G12AWG	18.7	405.4	659
69	16G12AWG	20.9	548.4	869
70	2X10AWG	12.0	124.2	219
71	3G10AWG	12.9	174.8	291
72	4G10AWG	14.2	227.0	371
73	5G10AWG	15.7	279.3	471
74	2X8AWG	15.0	189.7	338
75	3G8AWG	16.0	270.1	450
76	4G8AWG	17.6	352.4	568
77	5G8AWG	19.3	450.4	740
78	2X6AWG	19.2	307.2	546
79	3G6AWG	20.5	435.0	728
80	4G6AWG	23.0	566.3	941
81	5G6AWG	25.5	697.9	1211
82	2X4AWG	22.6	476.8	800
83	3G4AWG	24.3	684.6	1087
84	4G4AWG	26.7	896.7	1384
85	5G4AWG	30.0	1109.1	1805
86	2X2AWG	26.6	683.2	1128
87	3G2AWG	28.2	988.9	1513
88	4G2AWG	31.8	1299.5	1990
89	5G2AWG	35.2	1610.5	2551

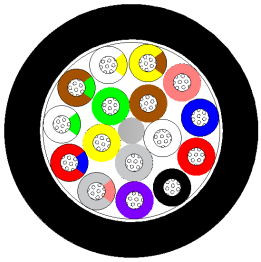
控制电缆 CONTROL CABLE

02

AWM 22187

UL/CUL 认证 TPE 护套柔性控制电缆

UL/CUL certified TPE sheathed flexible control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-KP-PUR
- FNFLEX-KCP-PUR
- FNFLEX-KP-TPE
- FNFLEX-KCP-TPE
- FNFLEX-KP-TPV
- FNFLEX-KCP-TPV
- H05BQ-F
- H07BQ-F
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22187 ▶
- AWM 22187-S
- AWM 21270
- AWM 21270-S



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load, and are suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1，VW-1，FT2 可选；
耐油性符合 EN60811-404；
优异的耐低温性能 -40℃；
良好的剥离性；
北美市场广泛认可。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1, with FT2 as an option;
Oil resistance conform to EN60811-404;
Excellent low-temperature resistance down to -40℃ ;
Good peelability;
Widely recognized in the North American market.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 22187，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 22187, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE/TPES/HDPE 芯线绝缘可选；
芯线层绞；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper，conform to IEC60228, Class 5;
PVC/TPE/TPES/HDPE core wire insulation is optional;
Core wires twisted in layers;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 80℃；
移动安装：-15 至+ 80℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +80℃ ;
Mobile installation: -15 to +80℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	39
2	3G20AWG	6.1	14.8	49
3	4G20AWG	6.9	19.7	63
4	5G20AWG	7.4	24.7	76
5	6G20AWG	8.3	29.6	91
6	7G20AWG	8.9	34.6	104
7	8G20AWG	9.8	39.5	131
8	10G20AWG	10.7	49.4	145
9	12G20AWG	11.0	59.2	164
10	16G20AWG	12.3	79.0	213
11	18G20AWG	13.2	88.8	242
12	20G20AWG	13.8	98.7	266
13	24G20AWG	15.4	118.5	332
14	30G20AWG	16.5	148.1	383
15	36G20AWG	17.9	177.7	456
16	40G20AWG	19.3	197.4	522
17	2X18AWG	6.3	15.6	48
18	3G18AWG	6.8	23.4	65
19	4G18AWG	7.7	31.1	84
20	5G18AWG	8.3	38.9	101
21	6G18AWG	9.2	46.7	121
22	7G18AWG	9.9	54.5	145
23	8G18AWG	10.9	62.3	173
24	10G18AWG	11.9	77.8	193
25	12G18AWG	12.2	93.4	219
26	16G18AWG	13.7	124.5	285
27	18G18AWG	14.4	140.1	317
28	20G18AWG	15.3	155.7	362
29	24G18AWG	17.1	186.8	443
30	30G18AWG	18.3	233.5	513
31	36G18AWG	19.8	280.2	611
32	40G18AWG	21.4	311.3	698
33	2X16AWG	7.1	24.1	65
34	3G16AWG	7.5	36.2	84
35	4G16AWG	8.4	48.2	110
36	5G16AWG	9.3	60.3	136
37	6G16AWG	10.3	72.3	162
38	7G16AWG	11.3	84.4	200
39	8G16AWG	12.4	96.4	237
40	10G16AWG	13.1	120.5	254
41	12G16AWG	13.7	144.6	296
42	16G16AWG	15.1	192.8	380
43	18G16AWG	16.1	216.9	430
44	20G16AWG	17.1	241.0	490
45	25G16AWG	19.1	301.3	591

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	22.3	433.8	840
47	2X14AWG	8.1	38.0	90
48	3G14AWG	8.6	57.0	118
49	4G14AWG	9.5	76.0	153
50	5G14AWG	10.6	95.0	190
51	6G14AWG	11.7	114.0	226
52	7G14AWG	12.8	133.0	278
53	8G14AWG	13.9	152.0	322
54	10G14AWG	15.1	190.0	362
55	12G14AWG	15.6	228.0	416
56	16G14AWG	17.4	304.0	544
57	18G14AWG	18.5	342.1	613
58	20G14AWG	19.6	380.1	697
59	24G14AWG	22.1	456.1	858
60	2X12AWG	9.1	60.3	122
61	3G12AWG	9.8	90.4	168
62	4G12AWG	11.0	120.5	218
63	5G12AWG	12.2	150.6	271
64	6G12AWG	13.4	180.8	321
65	7G12AWG	14.7	210.9	394
66	8G12AWG	16.1	241.0	464
67	10G12AWG	17.5	301.3	524
68	12G12AWG	18.0	361.5	603
69	16G12AWG	20.2	482.0	790
70	2X10AWG	11.4	97.3	185
71	3G10AWG	12.3	146.0	254
72	4G10AWG	13.6	194.7	330
73	5G10AWG	15.1	243.3	426
74	2X8AWG	14.4	155.7	295
75	3G8AWG	15.4	233.6	404
76	4G8AWG	17.0	311.5	517
77	5G8AWG	18.7	389.3	667
78	2X6AWG	18.6	246.6	474
79	3G6AWG	19.9	369.9	650
80	4G6AWG	22.4	493.1	854
81	5G6AWG	24.9	616.4	1115
82	2X4AWG	22.0	405.1	714
83	3G4AWG	23.7	607.6	995
84	4G4AWG	26.1	810.2	1282
85	5G4AWG	29.4	1012.7	1691
86	2X2AWG	26.0	598.8	1027
87	3G2AWG	27.6	898.2	1406
88	4G2AWG	31.2	1197.6	1869
89	5G2AWG	34.6	1497.1	2417

弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

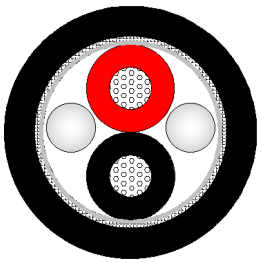
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H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



AWM 22187-S

UL/CUL 认证 TPE 护套柔性屏蔽控制电缆

UL/CUL certified TPE sheathed flexible shielded control cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1，VW-1，FT2 可选；
耐油性符合 EN60811-404；
优异的耐低温性能 -40℃；
电磁兼容 EMC 场合；
良好的剥离性；
北美市场广泛认可。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 22187，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE/TPES/HDPE 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 80℃；
移动安装：-15 至+ 80℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications requiring anti-electromagnetic interference. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load, and are suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1, with FT2 as an option;
Oil resistance conform to EN60811-404;
Excellent low-temperature resistance down to -40℃;
Suitable for electromagnetic compatibility (EMC) occasions;
Good peelability;
Widely recognized in the North American market.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 22187, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Stranded tinned copper,conform to IEC60228, Class 5;
PVC/TPE/TPES/HDPE core wire insulation is optional;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shield with approximately 80% coverage;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +80℃;
Mobile installation: -15 to +80℃;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	6.5	20.5	54
2	3G20AWG	6.8	26.2	65
3	4G20AWG	7.6	32.5	81
4	5G20AWG	8.1	41.8	98
5	6G20AWG	9.0	48.6	115
6	7G20AWG	9.6	55.3	131
7	8G20AWG	10.5	62.4	161
8	10G20AWG	11.4	74.4	178
9	12G20AWG	11.7	85.2	197
10	16G20AWG	13.0	108.3	251
11	18G20AWG	13.9	120.0	282
12	20G20AWG	14.5	131.7	308
13	24G20AWG	16.1	155.7	379
14	30G20AWG	17.2	187.9	433
15	36G20AWG	18.6	221.0	511
16	40G20AWG	20.0	260.4	597
17	2X18AWG	7.0	27.4	65
18	3G18AWG	7.5	36.1	83
19	4G18AWG	8.4	48.3	107
20	5G18AWG	9.0	58.1	126
21	6G18AWG	9.9	67.9	148
22	7G18AWG	10.6	77.7	175
23	8G18AWG	11.6	87.9	206
24	10G18AWG	12.6	105.9	229
25	12G18AWG	12.9	122.5	256
26	16G18AWG	14.4	157.3	327
27	18G18AWG	15.1	175.0	361
28	20G18AWG	16.0	192.6	409
29	24G18AWG	17.8	228.5	495
30	30G18AWG	19.0	278.1	569
31	36G18AWG	20.5	345.2	689
32	40G18AWG	22.1	381.8	782
33	2X16AWG	7.8	40.3	86
34	3G16AWG	8.2	53.5	107
35	4G16AWG	9.1	67.6	135
36	5G16AWG	10.0	81.8	164
37	6G16AWG	11.0	96.2	193
38	7G16AWG	12.0	110.5	234
39	8G16AWG	13.1	125.3	275
40	10G16AWG	13.8	152.1	294
41	12G16AWG	14.4	177.4	338
42	16G16AWG	15.8	229.8	427
43	18G16AWG	16.8	256.2	479
44	20G16AWG	17.8	282.6	542
45	25G16AWG	19.8	348.3	650

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	23.0	507.1	927
47	2X14AWG	8.8	56.5	114
48	3G14AWG	9.3	76.9	144
49	4G14AWG	10.2	98.2	182
50	5G14AWG	11.3	119.8	222
51	6G14AWG	12.4	141.4	261
52	7G14AWG	13.5	163.1	316
53	8G14AWG	14.6	185.2	364
54	10G14AWG	15.8	226.4	408
55	12G14AWG	16.3	265.7	463
56	16G14AWG	18.1	346.6	597
57	18G14AWG	19.2	387.3	670
58	20G14AWG	20.3	444.3	773
59	24G14AWG	22.8	528.6	944
60	2X12AWG	9.8	81.7	150
61	3G12AWG	10.5	113.4	197
62	4G12AWG	11.7	146.3	252
63	5G12AWG	12.9	179.4	308
64	6G12AWG	14.1	212.6	362
65	7G12AWG	15.4	245.9	438
66	8G12AWG	16.8	279.6	513
67	10G12AWG	18.2	343.5	577
68	12G12AWG	18.7	405.4	659
69	16G12AWG	20.9	548.4	869
70	2X10AWG	12.0	124.2	219
71	3G10AWG	12.9	174.8	291
72	4G10AWG	14.2	227.0	371
73	5G10AWG	15.7	279.3	471
74	2X8AWG	15.0	189.7	338
75	3G8AWG	16.0	270.1	450
76	4G8AWG	17.6	352.4	568
77	5G8AWG	19.3	450.4	740
78	2X6AWG	19.2	307.2	546
79	3G6AWG	20.5	435.0	728
80	4G6AWG	23.0	566.3	941
81	5G6AWG	25.5	697.9	1211
82	2X4AWG	22.6	476.8	800
83	3G4AWG	24.3	684.6	1087
84	4G4AWG	26.7	896.7	1384
85	5G4AWG	30.0	1109.1	1805
86	2X2AWG	26.6	683.2	1128
87	3G2AWG	28.2	988.9	1513
88	4G2AWG	31.8	1299.5	1990
89	5G2AWG	35.2	1610.5	2551

弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

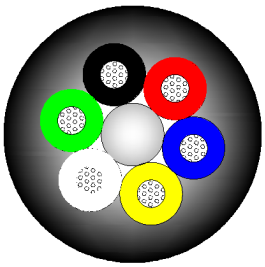
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AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S



AWM 21270

UL/CUL 认证耐热型 TPE 护套柔性控制电缆

UL/CUL certified heat-resistant TPE sheathed flexible control cable



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. They are suitable for wiring (AWM) cables in industrial machinery and equipment in the United States.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1，VW-1，FT2 可选；
北美市场广泛认可；
优异的耐热老化性能；
优异的耐低温性能 -40℃；
良好的剥离性；
偶尔移动。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1, with FT2 as an option;
Widely recognized in the North American market;
Excellent heat aging resistance;
Excellent low-temperature resistance down to -40℃ ;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21270，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21270, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
TPE/PVC 芯线绝缘可选；
芯线层绞；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded tinned copper,conform to IEC60228, Class 5;
TPE/PVC core wire insulation is optional;
Core wires twisted in layers;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃；
最小弯曲半径：固定安装：4X 电缆直径，
偶尔移动：15X 电缆直径。

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +105℃ ;
Mobile installation: -15 to +105℃ ;
Minimum bending radius:
Fixed installation: 4X cable diameter;
Occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	5.8	9.9	42
2	3G20AWG	6.1	14.8	52
3	4G20AWG	6.9	19.7	67
4	5G20AWG	7.4	24.7	80
5	6G20AWG	8.3	29.6	96
6	7G20AWG	8.9	34.6	110
7	8G20AWG	9.8	39.5	138
8	10G20AWG	10.7	49.4	153
9	12G20AWG	11.0	59.2	172
10	16G20AWG	12.3	79.0	223
11	18G20AWG	13.2	88.8	253
12	20G20AWG	13.8	98.7	278
13	24G20AWG	15.4	118.5	346
14	30G20AWG	16.5	148.1	399
15	36G20AWG	17.9	177.7	475
16	40G20AWG	19.3	197.4	544
17	2X18AWG	6.3	15.6	52
18	3G18AWG	6.8	23.4	69
19	4G18AWG	7.7	31.1	89
20	5G18AWG	8.3	38.9	106
21	6G18AWG	9.2	46.7	127
22	7G18AWG	9.9	54.5	152
23	8G18AWG	10.9	62.3	182
24	10G18AWG	11.9	77.8	203
25	12G18AWG	12.2	93.4	229
26	16G18AWG	13.7	124.5	297
27	18G18AWG	14.4	140.1	329
28	20G18AWG	15.3	155.7	376
29	24G18AWG	17.1	186.8	460
30	30G18AWG	18.3	233.5	532
31	36G18AWG	19.8	280.2	634
32	40G18AWG	21.4	311.3	723
33	2X16AWG	7.1	24.1	69
34	3G16AWG	7.5	36.2	89
35	4G16AWG	8.4	48.2	115
36	5G16AWG	9.3	60.3	143
37	6G16AWG	10.3	72.3	170
38	7G16AWG	11.3	84.4	209
39	8G16AWG	12.4	96.4	248
40	10G16AWG	13.1	120.5	265
41	12G16AWG	13.7	144.6	308
42	16G16AWG	15.1	192.8	393
43	18G16AWG	16.1	216.9	445
44	20G16AWG	17.1	241.0	507
45	25G16AWG	19.1	301.3	611

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	22.3	433.8	868
47	2X14AWG	8.1	38.0	95
48	3G14AWG	8.6	57.0	123
49	4G14AWG	9.5	76.0	160
50	5G14AWG	10.6	95.0	198
51	6G14AWG	11.7	114.0	235
52	7G14AWG	12.8	133.0	289
53	8G14AWG	13.9	152.0	334
54	10G14AWG	15.1	190.0	376
55	12G14AWG	15.6	228.0	430
56	16G14AWG	17.4	304.0	561
57	18G14AWG	18.5	342.1	633
58	20G14AWG	19.6	380.1	718
59	24G14AWG	22.1	456.1	885
60	2X12AWG	9.1	60.3	128
61	3G12AWG	9.8	90.4	174
62	4G12AWG	11.0	120.5	226
63	5G12AWG	12.2	150.6	280
64	6G12AWG	13.4	180.8	333
65	7G12AWG	14.7	210.9	407
66	8G12AWG	16.1	241.0	479
67	10G12AWG	17.5	301.3	542
68	12G12AWG	18.0	361.5	622
69	16G12AWG	20.2	482.0	812
70	2X10AWG	11.4	97.3	194
71	3G10AWG	12.3	146.0	264
72	4G10AWG	13.6	194.7	342
73	5G10AWG	15.1	243.3	440
74	2X8AWG	14.4	155.7	308
75	3G8AWG	15.4	233.6	419
76	4G8AWG	17.0	311.5	534
77	5G8AWG	18.7	389.3	687
78	2X6AWG	18.6	246.6	494
79	3G6AWG	19.9	369.9	672
80	4G6AWG	22.4	493.1	882
81	5G6AWG	24.9	616.4	1148
82	2X4AWG	22.0	405.1	741
83	3G4AWG	23.7	607.6	1027
84	4G4AWG	26.1	810.2	1317
85	5G4AWG	29.4	1012.7	1738
86	2X2AWG	26.0	598.8	1065
87	3G2AWG	27.6	898.2	1447
88	4G2AWG	31.2	1197.6	1922
89	5G2AWG	34.6	1497.1	2480

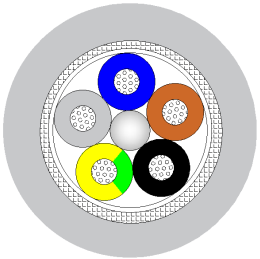
控制电缆 CONTROL CABLE

02

AWM 21270-S

UL/CUL 认证耐热型 TPE 护套柔性屏蔽控制电缆

UL/CUL certified heat-resistant TPE sheathed flexible shielded control cable



弹性体护套柔性控制电缆

ELASTOMER SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-KP-PUR
FNFLEX-KCP-PUR
FNFLEX-KP-TPE
FNFLEX-KCP-TPE
FNFLEX-KP-TPV
FNFLEX-KCP-TPV
H05BQ-F
H07BQ-F
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22187
AWM 22187-S
AWM 21270
AWM 21270-S ▶



应用范围

这些控制电缆适用于自动化设备安装工程、工业机械、暖气及空调安装系统、输送和传输系统，铝箔 + 镀锡铜丝双屏蔽特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1，VW-1，FT2 可选；
电磁兼容 EMC 场合；
北美市场广泛认可；
优异的耐热老化性能；
优异的耐低温性能 -40℃；
良好的剥离性；
偶尔移动。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 21270，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类；
TPE/PVC 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 标准；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：固定安装：-40 至+ 105℃；
移动安装：-15 至+ 105℃；
最小弯曲半径：固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Scope of application

These control cables are suitable for automation equipment installation projects, industrial machinery, heating and air-conditioning installation systems, as well as conveying and transmission systems. The dual shielding of aluminum foil + tinned copper wire is particularly suitable for applications requiring anti-electromagnetic interference. They are applicable to fixed installations and occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load, and are suitable for wiring (AWM) cables in industrial machinery and equipment in the United States.

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1, VW-1, with FT2 as an option;
Suitable for electromagnetic compatibility (EMC) occasions;
Widely recognized in the North American market;
Excellent heat aging resistance;
Excellent low-temperature resistance down to -40℃;
Good peelability;
Suitable for occasional movement.

Technical certification

UL/cUL certification;
conform to UL758 TYPE 21270, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Stranded tinned copper,conform to IEC60228, Class 5;
TPE/PVC core wire insulation is optional;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shield with approximately 80% coverage;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).

Technical parameters

Core identification: According to DIN VDE0293, black cores with white digital number;
Conductor resistance: conform to UL1581 standard;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 2000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: -40 to +105℃;
Mobile installation: -15 to +105℃;
Minimum bending radius:
Fixed installation: 6X cable diameter;
Occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X20AWG	6.5	20.5	61
2	3G20AWG	6.8	26.2	72
3	4G20AWG	7.6	32.5	90
4	5G20AWG	8.1	41.8	108
5	6G20AWG	9.0	48.6	127
6	7G20AWG	9.6	55.3	144
7	8G20AWG	10.5	62.4	176
8	10G20AWG	11.4	74.4	195
9	12G20AWG	11.7	85.2	216
10	16G20AWG	13.0	108.3	273
11	18G20AWG	13.9	120.0	307
12	20G20AWG	14.5	131.7	334
13	24G20AWG	16.1	155.7	410
14	30G20AWG	17.2	187.9	468
15	36G20AWG	18.6	221.0	551
16	40G20AWG	20.0	260.4	643
17	2X18AWG	7.0	27.4	73
18	3G18AWG	7.5	36.1	92
19	4G18AWG	8.4	48.3	118
20	5G18AWG	9.0	58.1	138
21	6G18AWG	9.9	67.9	162
22	7G18AWG	10.6	77.7	191
23	8G18AWG	11.6	87.9	225
24	10G18AWG	12.6	105.9	250
25	12G18AWG	12.9	122.5	278
26	16G18AWG	14.4	157.3	353
27	18G18AWG	15.1	175.0	388
28	20G18AWG	16.0	192.6	440
29	24G18AWG	17.8	228.5	532
30	30G18AWG	19.0	278.1	610
31	36G18AWG	20.5	345.2	736
32	40G18AWG	22.1	381.8	835
33	2X16AWG	7.8	40.3	96
34	3G16AWG	8.2	53.5	117
35	4G16AWG	9.1	67.6	147
36	5G16AWG	10.0	81.8	179
37	6G16AWG	11.0	96.2	210
38	7G16AWG	12.0	110.5	254
39	8G16AWG	13.1	125.3	298
40	10G16AWG	13.8	152.1	318
41	12G16AWG	14.4	177.4	364
42	16G16AWG	15.8	229.8	456
43	18G16AWG	16.8	256.2	512
44	20G16AWG	17.8	282.6	579
45	25G16AWG	19.8	348.3	693

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
46	36G16AWG	23.0	507.1	986
47	2X14AWG	8.8	56.5	125
48	3G14AWG	9.3	76.9	156
49	4G14AWG	10.2	98.2	197
50	5G14AWG	11.3	119.8	240
51	6G14AWG	12.4	141.4	282
52	7G14AWG	13.5	163.1	340
53	8G14AWG	14.6	185.2	391
54	10G14AWG	15.8	226.4	439
55	12G14AWG	16.3	265.7	495
56	16G14AWG	18.1	346.6	634
57	18G14AWG	19.2	387.3	712
58	20G14AWG	20.3	444.3	820
59	24G14AWG	22.8	528.6	1002
60	2X12AWG	9.8	81.7	163
61	3G12AWG	10.5	113.4	213
62	4G12AWG	11.7	146.3	270
63	5G12AWG	12.9	179.4	329
64	6G12AWG	14.1	212.6	387
65	7G12AWG	15.4	245.9	468
66	8G12AWG	16.8	279.6	547
67	10G12AWG	18.2	343.5	617
68	12G12AWG	18.7	405.4	699
69	16G12AWG	20.9	548.4	917
70	2X10AWG	12.0	124.2	236
71	3G10AWG	12.9	174.8	309
72	4G10AWG	14.2	227.0	394
73	5G10AWG	15.7	279.3	497
74	2X8AWG	15.0	189.7	363
75	3G8AWG	16.0	270.1	478
76	4G8AWG	17.6	352.4	599
77	5G8AWG	19.3	450.4	776
78	2X6AWG	19.2	307.2	582
79	3G6AWG	20.5	435.0	768
80	4G6AWG	23.0	566.3	991
81	5G6AWG	25.5	697.9	1272
82	2X4AWG	22.6	476.8	849
83	3G4AWG	24.3	684.6	1145
84	4G4AWG	26.7	896.7	1448
85	5G4AWG	30.0	1109.1	1889
86	2X2AWG	26.6	683.2	1196
87	3G2AWG	28.2	988.9	1586
88	4G2AWG	31.8	1299.5	2085
89	5G2AWG	35.2	1610.5	2664

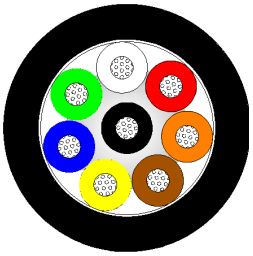
控制电缆 CONTROL CABLE

02

ST

UL/CUL 认证 600V PVC 护套电源线

UL/CUL certified 600V PVC sheathed power cable



600V PVC
柔性电源线

600V PVC FLEXIBLE POWER CABLE

- ST ▶
- STO
- STOO
- STW
- STOW
- STOOW



应用范围

应用范围：可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
PVC outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：
60℃ 75℃ 90℃ 105℃等级可选，耐寒 -15℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ ,
105℃ grades optional, cold-resistant to -15℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.8	391.4	1043
115	3X4AWG	28.3	587.1	1318
116	4X4AWG	31.6	782.8	1696
117	5X4AWG	34.4	978.4	2034
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

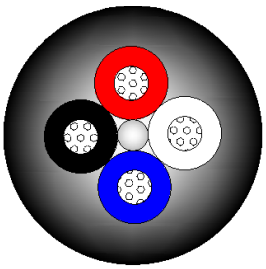
控制电缆 CONTROL CABLE

02

STO

UL/CUL 认证 600V 耐油 PVC 护套电源线

UL/CUL certified 600V oil-resistant PVC sheathed power cable



600V PVC
柔性电源线

600V PVC FLEXIBLE POWER CABLE

- ST
- STO
- STOO
- STW
- STOW
- STOOW



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Sheath oil resistance conform to UL62, with 60 ℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
Oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：
60℃ 75℃ 90℃ 105℃等级可选，耐寒 -15℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ ,
105℃ grades optional, cold-resistant to -15℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.8	391.4	1043
115	3X4AWG	28.3	587.1	1318
116	4X4AWG	31.6	782.8	1696
117	5X4AWG	34.4	978.4	2034
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

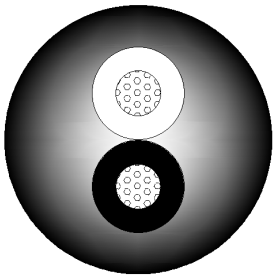
控制电缆 CONTROL CABLE

02

STOO

UL/CUL 认证 600V 耐油 PVC 绝缘 耐油 PVC 护套电源线

UL/CUL certified 600V oil-resistant PVC insulated and oil-resistant PVC sheathed power cable



600V PVC
柔性电源线

600V PVC FLEXIBLE POWER CABLE

- ST
- STO
- STOO ➤
- STW
- STOW
- STOOW



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility, easy to install
Flame retardancy conform to FT2, FT1, with VW-1 as an option
Insulation and sheath oil resistance conform to UL62, with 60℃ oil resistance grade

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 PVC 芯线绝缘；
芯线层绞；
耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper, conform to IEC60228, Class 5
Oil-resistant PVC core insulation
Core wires twisted in layers
Oil-resistant PVC outer sheath
Outer sheath color: black, other colors optional

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，耐寒 -15℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ ,
105℃ grades optional, cold-resistant to -15℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.8	391.4	1043
115	3X4AWG	28.3	587.1	1318
116	4X4AWG	31.6	782.8	1696
117	5X4AWG	34.4	978.4	2034
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

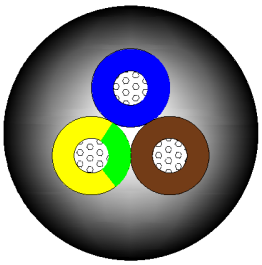
控制电缆 CONTROL CABLE

02

STW

UL/CUL 认证 600V 防水耐寒抗 UV PVC 护套户外电源线

UL/CUL certified 600V waterproof, cold-resistant and UV-resistant PVC sheathed outdoor power cable



600V PVC
柔性电源线

600V PVC FLEXIBLE POWER CABLE

- ST
- STO
- STOO
- STW ➤
- STOW
- STOOW



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
耐寒 -40℃；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Cold-resistant to -40℃ ;
Sheath moisture resistance grade conforms to UL62, Class W;
Sheath UV resistance conforms to UL1581, with 720-hour ultraviolet accelerated aging test.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
户外型 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

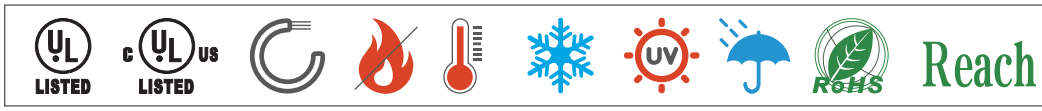
Stranded bare copper,conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
Outdoor-type PVC outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：> 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ ,
105℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.8	391.4	1043
115	3X4AWG	28.3	587.1	1318
116	4X4AWG	31.6	782.8	1696
117	5X4AWG	34.4	978.4	2034
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

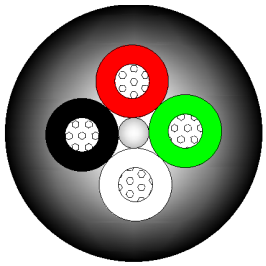
控制电缆 CONTROL CABLE

02

STOW

UL/CUL 认证 600V 防水耐油耐寒抗 UV PVC 护套户外电源线

UL/CUL certified 600V waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable



600V PVC
柔性电源线

600V PVC FLEXIBLE POWER CABLE

- ST
- STO
- STOO
- STW
- STOW ➤
- STOOW



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
耐寒 -40℃；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Cold-resistant to -40℃ ;
Sheath moisture resistance grade conforms to UL62, Class W;
Sheath UV resistance conforms to UL1581, with 720-hour ultraviolet accelerated aging test;
Sheath oil resistance conform to UL62, with 60 ℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
芯线层绞；
户外型耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
PVC core insulation;
Core wires twisted in layers;
Outdoor-type oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ ,
105℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.8	391.4	1043
115	3X4AWG	28.3	587.1	1318
116	4X4AWG	31.6	782.8	1696
117	5X4AWG	34.4	978.4	2034
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

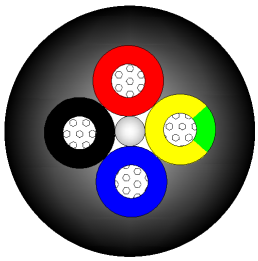
控制电缆 CONTROL CABLE

02

STOOW

UL/CUL 认证 600V 耐油 PVC 绝缘 防水耐油耐寒抗 UV PVC 护套户外电源线

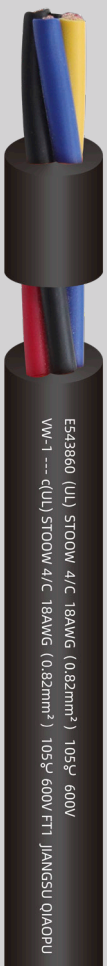
UL/CUL certified 600V oil-resistant PVC insulated, waterproof, oil-resistant, cold-resistant and UV-resistant PVC sheathed outdoor power cable



600V PVC
柔性电源线

600V PVC FLEXIBLE POWER CABLE

- ST
- STO
- STOO
- STW
- STOW
- STOOW ➤



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
耐寒 -40℃；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Cold-resistant to -40℃ ;
Sheath moisture resistance grade conforms to UL62, Class W;
Sheath UV resistance conform to UL1581, with 720-hour ultraviolet accelerated aging test;
Insulation and sheath oil resistance conform to UL62, with 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 PVC 芯线绝缘；
芯线层绞；
户外型耐油 PVC 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
Oil-resistant PVC core insulation;
Core wires twisted in layers;
Outdoor-type oil-resistant PVC outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
　　耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60 ℃ , 75 ℃ , 90 ℃ , 105 ℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
　　Fixed installation: 5X cable diameter;
　　Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.8	391.4	1043
115	3X4AWG	28.3	587.1	1318
116	4X4AWG	31.6	782.8	1696
117	5X4AWG	34.4	978.4	2034
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

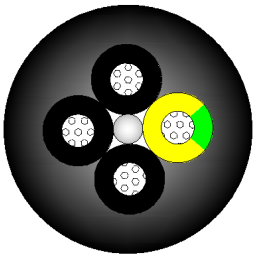
控制电缆 CONTROL CABLE

02

S

UL/CUL 认证 600V EP 橡胶绝缘 EPR 橡胶护套电源线

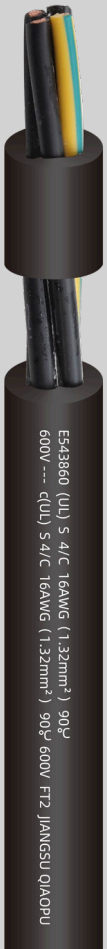
UL/CUL certified 600V EP rubber insulated and EPR rubber sheathed power cable



600V EPR
柔性电源线

600V EPR RUBBER
FLEXIBLE POWER CABLE

- S ➤
- SO
- SOO
- SOW
- SOOW
- H05RR-F
- H05RN-F
- H07RN-F



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Excellent low-temperature resistance, remaining flexible at low temperatures.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
芯线层绞；
CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
EPR core insulation;
Core wires twisted in layers;
CPE outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60 ℃ , 75 ℃ , 90 ℃ , 105 ℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.7	391.4	1027
115	3X4AWG	28.2	587.1	1302
116	4X4AWG	31.6	782.8	1680
117	5X4AWG	34.4	978.4	2017
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

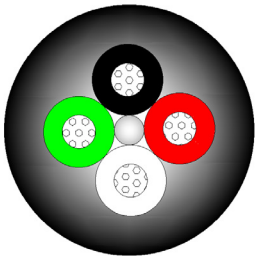
控制电缆 CONTROL CABLE

02

SO

UL/CUL 认证 600V EP 橡胶绝缘 耐油 EPR 橡胶护套电源线

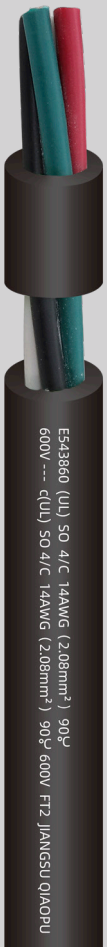
UL/CUL certified 600V EP rubber insulated and oil-resistant EPR rubber sheathed power cable



600V EPR
柔性电源线

600V EPR RUBBER
FLEXIBLE POWER CABLE

- S
- SO ➤
- SOO
- SOW
- SOOW
- H05RR-F
- H05RN-F
- H07RN-F



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Insulation and sheath oil resistance conform to UL62, with 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
芯线层绞；
耐油 CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
EPR core insulation;
Core wires twisted in layers;
Oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ , 105℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.7	391.4	1027
115	3X4AWG	28.2	587.1	1302
116	4X4AWG	31.6	782.8	1680
117	5X4AWG	34.4	978.4	2017
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

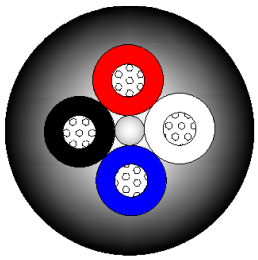
控制电缆 CONTROL CABLE

02

SOO

UL/CUL 认证 600V 耐油 EP 橡胶绝缘 耐油 EPR 橡胶护套电源线

UL/CUL certified 600V oil-resistant EP rubber insulated and oil-resistant EPR rubber sheathed power cable



600V EPR
柔性电源线

600V EPR RUBBER FLEXIBLE POWER CABLE

- S
- SO
- SOO ➤
- SOW
- SOOW
- H05RR-F
- H05RN-F
- H07RN-F



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。适合特殊场所重油污环境使用。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand. Suitable for use in special places with heavy oil pollution environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
绝缘和护套耐油性符合 UL62,60℃耐油等级。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Insulation and sheath oil resistance conform to UL62, with 60℃ oil resistance grade.

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 EPR 芯线绝缘；
芯线层绞；
耐油 CPE 外护套；
外护套黑色，其余颜色可选。

Cable structure

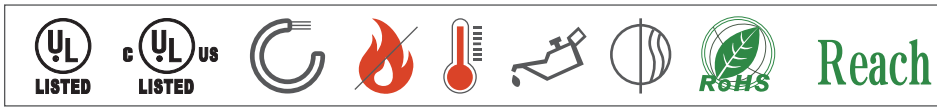
Stranded bare copper, conform to IEC60228, Class 5;
Oil-resistant EPR core insulation;
Core wires twisted in layers;
Oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
　　耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
　　偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60 ℃ , 75 ℃ , 90 ℃ , 105 ℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
　　Fixed installation: 5X cable diameter;
　　Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.7	391.4	1027
115	3X4AWG	28.2	587.1	1302
116	4X4AWG	31.6	782.8	1680
117	5X4AWG	34.4	978.4	2017
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

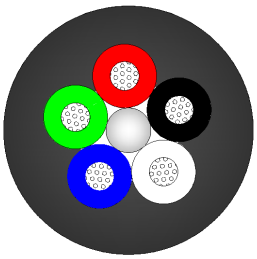
控制电缆 CONTROL CABLE

02

SOW

UL/CUL 认证 600V EP 橡胶绝缘 防水耐油耐寒抗 UV EPR 橡胶护套户外电源线

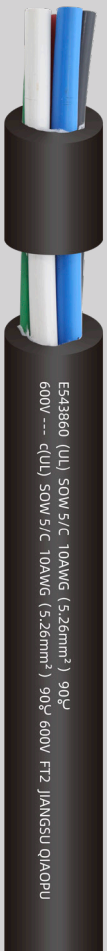
UL/CUL certified 600V EP rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant EPR rubber sheathed outdoor power cable



600V EPR
柔性电源线

600V EPR RUBBER FLEXIBLE POWER CABLE

- S
- SO
- SOO
- SOW ➤
- SOOW
- H05RR-F
- H05RN-F
- H07RN-F



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。适合特殊户外场所及油污环境使用。

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
护套耐油性符合 UL62,60℃耐油等级。

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EPR 芯线绝缘；
芯线层绞；
户外型耐油 CPE 外护套；
外护套黑色，其余颜色可选。

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
　　耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
　　偶尔移动：10X 电缆直径。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand. Suitable for use in special outdoor places and oily environments.

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Sheath moisture resistance grade conforms to UL62, Class W;
Sheath UV resistance conforms to UL1581, with 720-hour ultraviolet accelerated aging test;
Sheath oil resistance conforms to UL62, with 60 ℃ oil resistance grade.

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
EPR core insulation;
Core wires twisted in layers;
Outdoor-type oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.

Technical parameters

Core identification: conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: > 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60 ℃ , 75 ℃ , 90 ℃ , 105 ℃ grades optional, cold-resistant to -40℃ ;
Minimum bending radius:
　　Fixed installation: 5X cable diameter;
　　Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X18AWG	8.8	15.2	103
2	3X18AWG	9.3	22.7	118
3	4X18AWG	10.0	30.3	141
4	5X18AWG	11.8	37.9	193
5	6X18AWG	12.7	45.5	223
6	7X18AWG	12.7	53.0	230
7	8X18AWG	13.5	60.6	253
8	9X18AWG	14.4	68.2	280
9	10X18AWG	15.5	75.8	311
10	11X18AWG	15.5	83.3	325
11	12X18AWG	15.9	90.9	346
12	13X18AWG	16.6	98.5	372
13	14X18AWG	16.6	106.1	386
14	15X18AWG	17.0	113.6	406
15	16X18AWG	18.2	121.2	460
16	17X18AWG	19.0	128.8	490
17	18X18AWG	19.0	136.4	504
18	19X18AWG	19.0	143.9	518
19	20X18AWG	19.9	151.5	548
20	21X18AWG	19.9	159.1	562
21	22X18AWG	20.7	166.7	593
22	23X18AWG	20.7	174.2	607
23	24X18AWG	21.8	181.8	643
24	25X18AWG	21.8	189.4	657
25	26X18AWG	21.8	197.0	671
26	27X18AWG	22.3	204.5	693
27	28X18AWG	22.3	212.1	707
28	29X18AWG	23.0	219.7	736
29	30X18AWG	23.0	227.3	750
30	31X18AWG	23.8	234.8	781
31	32X18AWG	23.8	242.4	795
32	33X18AWG	23.8	250.0	809
33	34X18AWG	25.4	257.6	888
34	35X18AWG	25.4	265.1	902
35	36X18AWG	25.4	272.7	916
36	37X18AWG	25.4	280.3	930
37	2X16AWG	9.3	23.3	120
38	3X16AWG	9.8	34.9	140
39	4X16AWG	10.6	46.6	168
40	5X16AWG	12.5	58.2	228
41	6X16AWG	13.4	69.9	266
42	7X16AWG	13.4	81.5	276
43	8X16AWG	14.3	93.2	303
44	9X16AWG	15.3	104.8	336
45	10X16AWG	16.5	116.5	373
46	11X16AWG	16.5	128.1	392
47	12X16AWG	16.9	139.8	419
48	13X16AWG	18.5	151.4	484
49	14X16AWG	18.5	163.1	503
50	15X16AWG	18.9	174.7	529
51	16X16AWG	19.4	186.4	557
52	17X16AWG	20.3	198.0	593
53	18X16AWG	20.3	209.7	612
54	19X16AWG	20.3	221.3	630
55	20X16AWG	21.2	233.0	667
56	21X16AWG	21.2	244.6	686
57	22X16AWG	22.1	256.3	723
58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
60	25X16AWG	23.3	291.2	803
61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	3X14AWG	13.3	55.7	251
63	4X14AWG	14.4	74.2	302
64	5X14AWG	16.4	92.8	387
65	6X14AWG	17.6	111.3	453
66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
68	9X14AWG	20.2	167.0	568
69	10X14AWG	21.8	185.5	633
70	11X14AWG	21.8	204.1	666
71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
93	10X12AWG	23.6	297.7	797
94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
96	13X12AWG	26.3	387.0	1023
97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
102	4X10AWG	18.5	188.1	544
103	5X10AWG	20.1	235.2	653
104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.7	391.4	1027
115	3X4AWG	28.2	587.1	1302
116	4X4AWG	31.6	782.8	1680
117	5X4AWG	34.4	978.4	2017
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

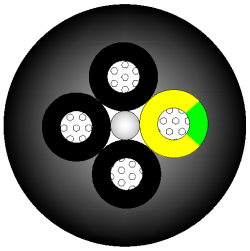
控制电缆 CONTROL CABLE

02

SOOW

UL/CUL 认证 600V 耐油 EP 橡胶绝缘 防水耐油耐寒抗 UV EPR 橡胶护套户外电源线

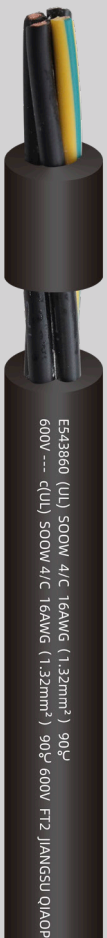
UL/CUL certified 600V oil-resistant EP rubber insulated, waterproof, oil-resistant, cold-resistant and UV-resistant EPR rubber sheathed outdoor power cable



600V EPR
柔性电源线

600V EPR RUBBER
FLEXIBLE POWER CABLE

- S
- SO
- SOO
- SOW
- SOOW ➤
- H05RR-F
- H05RN-F
- H07RN-F



应用范围

可用于工厂及制造业中的各类设备电力连接，也常用于电钻、电锯、电动螺丝刀等工具的电源连接，其良好的柔韧性使得工具在操作过程中便于移动和弯曲。亦可作为临时电源线使用，如在建筑工地、展会现场、临时演出场地等，为便携式工具、设备或灯具等提供临时供电，方便现场设备的快速部署和用电需求。适合特殊户外场所及油污环境使用。

产品特性

较好的柔韧性，便于安装；
阻燃性符合 FT2,FT1,VW-1 可选；
优秀的耐低温性能，低温保持柔软；
护套耐潮湿等级符合 UL62，W 等级；
护套抗 UV 符合 UL1581，720H 紫外线加速老化试验；
绝缘及护套耐油性符合 UL62,60℃耐油等级。

技术认证

UL/cUL 认证；
符合 UL62；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
耐油 EPR 芯线绝缘；
芯线层绞；
户外型耐油 CPE 外护套；
外护套黑色，其余颜色可选。

技术参数

芯线标识：符合国际色规；
导体电阻：UL1581；
额定电压：600V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：60℃ 75℃ 90℃ 105℃等级可选，
耐寒 -40℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Scope of application

It can be used for power connection of various equipment in factories and manufacturing industries, and is also commonly used for power connection of tools such as electric drills, electric saws, and electric screwdrivers. Its good flexibility makes it easy for tools to move and bend during operation. It can also be used as a temporary power cord, such as in construction sites, exhibition venues, temporary performance venues, etc., to provide temporary power supply for portable tools, equipment or lamps, facilitating the rapid deployment of on-site equipment and meeting power demand. Suitable for use in special outdoor places and heavy oil pollution environments.

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to FT2, FT1, with VW-1 as an option;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Sheath moisture resistance grade conforms to UL62, Class W;
Sheath UV resistance conforms to UL1581, with 720-hour ultraviolet accelerated aging test;
Insulation and sheath oil resistance conform to UL62, with 60℃ oil resistance grade.

Technical certification

UL/cUL certification;
conform to UL62;
RoHS, REACH.

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
Oil-resistant EPR core insulation;
Core wires twisted in layers;
Outdoor-type oil-resistant CPE outer sheath;
Outer sheath color: black, other colors optional.

Technical parameters

Core identification: conform to international color codes;
Conductor resistance: conform to UL1581;
Rated voltage: 600V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range: 60℃ , 75℃ , 90℃ , 105℃ grades optional,
cold-resistant to -40℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
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37	2X16AWG	9.3	23.3	120
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47	12X16AWG	16.9	139.8	419
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49	14X16AWG	18.5	163.1	503
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55	20X16AWG	21.2	233.0	667
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58	23X16AWG	22.1	267.9	742
59	24X16AWG	23.3	279.6	785
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61	2X14AWG	12.7	37.1	216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
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66	7X14AWG	17.6	129.9	469
67	8X14AWG	18.9	148.4	511
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71	12X14AWG	22.5	222.6	712
72	13X14AWG	23.6	241.2	767
73	14X14AWG	23.6	259.7	800
74	15X14AWG	24.1	278.3	844
75	16X14AWG	25.5	296.9	937
76	17X14AWG	26.8	315.4	1000
77	18X14AWG	26.8	334.0	1032
78	19X14AWG	26.8	352.5	1065
79	20X14AWG	28.1	371.1	1128
80	21X14AWG	28.1	389.6	1161
81	22X14AWG	29.4	408.2	1226
82	23X14AWG	29.4	426.7	1258
83	24X14AWG	31.0	445.3	1332
84	25X14AWG	31.0	463.8	1365
85	2X12AWG	14.4	59.5	288
86	3X12AWG	15.1	89.3	338
87	4X12AWG	16.3	119.1	407
88	5X12AWG	17.7	148.9	484
89	6X12AWG	19.0	178.6	563
90	7X12AWG	19.0	208.4	589
91	8X12AWG	20.4	238.2	641
92	9X12AWG	21.8	267.9	715
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94	11X12AWG	23.6	327.5	843
95	12X12AWG	25.1	357.3	950
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97	14X12AWG	26.3	416.8	1069
98	15X12AWG	26.9	446.6	1129
99	16X12AWG	27.6	476.3	1191
100	2X10AWG	16.2	94.1	376
101	3X10AWG	17.1	141.1	447
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104	6X10AWG	21.8	282.2	772
105	7X10AWG	21.8	329.2	810
106	2X8AWG	20.0	150.0	577
107	3X8AWG	21.1	225.0	689
108	4X8AWG	23.7	300.0	883
109	5X8AWG	25.7	375.1	1058
110	2X6AWG	22.9	238.5	790
111	3X6AWG	24.2	357.7	954
112	4X6AWG	27.1	476.9	1219
113	5X6AWG	29.5	596.2	1466
114	2X4AWG	26.7	391.4	1027
115	3X4AWG	28.2	587.1	1302
116	4X4AWG	31.6	782.8	1680
117	5X4AWG	34.4	978.4	2017
118	2X2AWG	30.4	601.8	1402
119	3X2AWG	32.1	902.7	1792
120	4X2AWG	35.7	1203.6	2303
121	5X2AWG	38.9	1504.5	2773

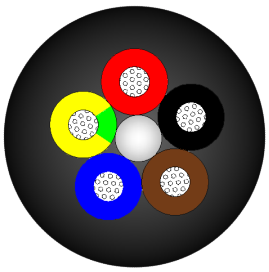
控制电缆 CONTROL CABLE

02

H05RR-F

CE 认证 EI4 橡胶绝缘 EM3 橡胶护套控制电缆 300/500V

CE certified EI4 rubber insulated and EM3 rubber sheathed control cable, 300/500V



600V EPR
柔性电源线

600V EPR RUBBER
FLEXIBLE POWER CABLE

S
SO
SOO
SOW
SOOW
H05RR-F ➤
H05RN-F
H07RN-F



应用范围

适用于需承中度机械应力的场合，如小型电动工具，轻型工业设备安装的电源线，适合在有潮湿的环境或一般油污环境适用。

Scope of application

Suitable for occasions requiring moderate mechanical stress resistance, such as power cords for small electric tools and light industrial equipment installation. It is applicable in humid environments or general oily environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 IEC60332-1；
优秀的耐低温性能，低温保持柔软；
欧洲统一协调标准，欧盟认可度高。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to IEC60332-1;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Compliant with European harmonized standards, highly recognized in the EU.

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-21;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EI4 橡胶芯线绝缘；
芯线绞合成对；
EM3 橡胶外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
EI4 rubber core insulation;
Core wires twisted into pairs;
EM3 rubber outer sheath;
Outer sheath color: black, other colors optional.

技术参数

芯线标识：符合国际色规；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
温度范围：固定安装：-40 至+ 60℃；移动安装：-30 至+ 60℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Temperature range: Fixed installation: -40 to +60 ℃ ;
Mobile installation: -30 to +60℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.75mm²	6.5	13.7	59.5
2	2X1.0mm²	7.0	18.3	71.6
3	2X1.5mm²	8.6	27.4	107.8
4	2X2.5mm²	10.1	45.6	155.7
5	2X4mm²	11.8	73.1	220.7
6	3x0.75mm²	7.0	20.5	74.0
7	3x1.0mm²	7.4	27.4	85.8
8	3x1.5mm²	9.1	41.1	129.6
9	3x2.5mm²	10.7	68.4	189.3
10	3x4mm²	12.5	109.6	271.3
11	3x6mm²	14.2	161.7	362.1
12	4x0.75mm²	7.4	27.4	86.6
13	4x1.0mm²	8.1	36.5	105.0
14	4x1.5mm²	10.1	54.8	164.0
15	4x2.5mm²	11.9	91.3	239.7
16	4x4mm²	13.9	146.2	344.0
17	4x6mm²	15.7	215.6	459.1
18	5x0.75mm²	8.5	34.2	111.9
19	5x1.0mm²	9.0	45.6	130.6
20	5x1.5mm²	11.0	68.4	197.8
21	5x2.5mm²	13.2	114.1	296.5
22	5x4mm²	15.5	182.7	425.6

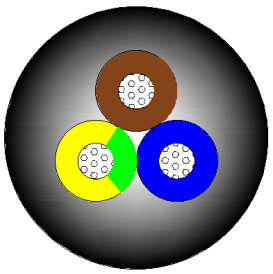
控制电缆 CONTROL CABLE

02

H05RN-F

CE 认证 EI4 橡胶绝缘 EM2 橡胶护套控制电缆 300/500V

CE certified EI4 rubber insulated and EM2 rubber sheathed control cable, 300/500V



600V EPR
柔性电源线

600V EPR RUBBER
FLEXIBLE POWER CABLE

- S
- SO
- SOO
- SOW
- SOOW
- H05RR-F
- H05RN-F ➤
- H07RN-F



应用范围

适用于需承中度机械应力的场合，如小型电动工具，轻型工业设备安装的电源线，适合在有潮湿的环境或重油污环境适用。

Scope of application

Suitable for occasions requiring moderate mechanical stress resistance, such as power cords for small electric tools and light industrial equipment installation. It is applicable in humid environments or heavy oily environments.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 IEC60332-1；
优秀的耐低温性能，低温保持柔软；
耐油性符合 EN50363-2-1(EM2) 要求；
欧洲统一协调标准，欧盟认可度高。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to IEC60332-1;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Oil resistance meets the requirements of EN50363-2-1 (EM2);
Compliant with European harmonized standards, highly recognized in the EU.

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-21;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EI4 橡胶芯线绝缘；
芯线绞合成对；
EM2 橡胶外护套；
外护套黑色，其余颜色可选。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
EI4 rubber core insulation;
Core wires twisted into pairs;
EM2 rubber outer sheath;
Outer sheath color: black, other colors optional.



技术参数

芯线标识：符合国际色规；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
温度范围：固定安装：−40 至+ 60℃；移动安装：−30 至+ 60℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Rated voltage: 300/500V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2000V;
Temperature range: Fixed installation: −40 to +60 ℃ ;
Mobile installation: −30 to +60℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.75mm²	6.5	13.7	59.5
2	2X1.0mm²	7.0	18.3	71.6
3	3x0.75mm²	7.0	20.5	74.0
4	3x1.0mm²	7.4	27.4	85.8
5	4x0.75mm²	7.6	27.4	90.0
6	4x1.0mm²	8.1	36.5	105.0

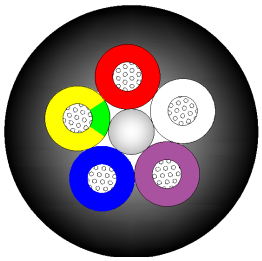
控制电缆 CONTROL CABLE

02

H07RN-F

CE 认证 EI4 橡胶绝缘 EM2 橡胶护套控制电缆 450/750V

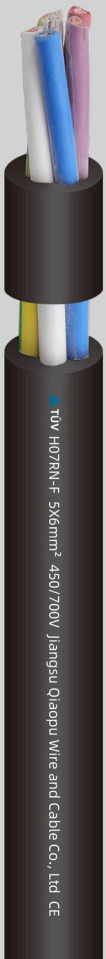
CE certified EI4 rubber insulated and EM2 rubber sheathed control cable, 450/750V



600V EPR
柔性电源线

600V EPR RUBBER
FLEXIBLE POWER CABLE

- S
- SO
- SOO
- SOW
- SOOW
- H05RR-F
- H05RN-F
- H07RN-F ➤



应用范围

适用于需承重度机械应力的场合，如常用于建筑工地的重型电动工具（如大型冲击钻、混凝土搅拌机、切割机等），可作为拖拉机、收割机、灌溉设备等农业机械的电源线，适用于工厂中的重型机械、大型机床、冲压设备等的电源连接，适合港口机械（如起重机、传送带）等场合。

Scope of application

Suitable for occasions requiring resistance to heavy mechanical stress, such as heavy-duty electric tools commonly used in construction sites (e.g., large impact drills, concrete mixers, cutting machines, etc.). It can serve as the power cord for agricultural machinery like tractors, harvesters, and irrigation equipment. It is applicable for power connection of heavy machinery, large machine tools, stamping equipment, etc., in factories, and suitable for port machinery (e.g., cranes, conveyors) and other occasions.

产品特性

较好的柔韧性，便于安装；
阻燃性符合 IEC60332-1；
优秀的耐低温性能，低温保持柔软；
耐油性符合 EN50363-2-1(EM2) 要求；
耐环境性能优异，有一定的抗盐雾性能；
欧洲统一协调标准，欧盟认可度高。

Product characteristics

Good flexibility, easy to install;
Flame retardancy conform to IEC60332-1;
Excellent low-temperature resistance, remaining flexible at low temperatures;
Oil resistance meets the requirements of EN50363-2-1 (EM2);
Excellent environmental resistance, with certain salt spray resistance;
Compliant with European harmonized standards, highly recognized in the EU.

技术认证

CE 认证，TUV 认证；
CE 低压规程 2014/35/EU 的规定；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
conform to the provisions of CE Low Voltage Directive 2014/35/EU;
Conform to EN50525-2-21;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
EI4 橡胶芯线绝缘；
芯线绞合成对；
EM2 橡胶外护套；
外护套黑色。

Cable structure

Stranded bare copper,conform to IEC60228, Class 5;
EI4 rubber core insulation;
Core wires twisted into pairs;
EM2 rubber outer sheath;
Outer sheath color: black.

技术参数

芯线标识：符合国际色规；
额定电压：450/750V；
绝缘电阻：＞ 20MΩ x km；
测试电压：2500V；
x 温度范围：固定安装：-40 至+ 60℃；
移动安装：-30 至+ 60℃；
最小弯曲半径：固定安装：5X 电缆直径，
偶尔移动：10X 电缆直径。

Technical parameters

Core identification: conform to international color codes;
Rated voltage: 450/750V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 2500V;
Temperature range:
Fixed installation: -40 to +60℃ ;
Mobile installation: -30 to +60℃ ;
Minimum bending radius:
Fixed installation: 5X cable diameter;
Occasional movement: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	6.1	13.7	54
2	1X2.5mm²	6.8	22.8	72
3	1X4.0mm²	7.7	36.5	98
4	1X6.0mm²	8.5	53.9	126
5	1X10mm²	10.6	91.8	202
6	1X16mm²	12.0	146.7	280
7	1X25mm²	14.2	229.5	411
8	1X35mm²	16.0	320.8	540
9	1X50mm²	18.4	458.1	741
10	1X70mm²	20.7	641.2	980
11	1X95mm²	23.6	870.7	1301
12	1X120mm²	25.7	1098.9	1592
13	1X150mm²	28.3	1374.7	1965
14	1X185mm²	31.3	1695.7	2409
15	1X240mm²	34.6	2200.2	3040
16	1X300mm²	37.7	2730.5	3700
17	1X400mm²	42.4	3662.9	4834
18	1X500mm²	46.6	4595.2	5968
19	1X630mm²	50.6	5754.0	7284
20	2X1.0mm²	8.6	18.3	101
21	2X1.5mm²	9.6	27.4	129
22	2X2.5mm²	11.3	45.6	185
23	2X4.0mm²	13.0	73.1	255
24	2X6.0mm²	14.6	107.8	330
25	2X10mm²	20.5	183.6	578
26	2X16mm²	23.2	293.4	778
27	2X25mm²	27.6	459.0	1123
28	3X1.0mm²	9.3	27.4	122
29	3X1.5mm²	10.3	41.1	156
30	3X2.5mm²	12.1	68.4	226
31	3X4.0mm²	13.9	109.6	314
32	3X6.0mm²	15.6	161.7	409
33	3X10mm²	22.0	275.4	737
34	3X16mm²	24.9	440.1	1005
35	3X25mm²	30.0	688.5	1476
36	3X35mm²	33.6	962.5	1912
37	3X50mm²	38.8	1374.3	2608
38	3X70mm²	43.4	1923.7	3405
39	3X95mm²	49.6	2612.2	4507
40	3X120mm²	53.9	3296.6	5468
41	3X150mm²	59.6	4124.1	6738

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
42	3X185mm²	65.4	5087.1	8196
43	3X240mm²	73.4	6600.7	10470
44	3X300mm²	81.2	8191.5	12890
45	4X1.0mm²	10.2	36.5	151
46	4X1.5mm²	11.3	54.8	193
47	4X2.5mm²	13.3	91.3	280
48	4X4.0mm²	15.3	146.2	391
49	4X6.0mm²	17.3	215.6	519
50	4X10mm²	24.2	367.2	918
51	4X16mm²	27.4	586.8	1259
52	4X25mm²	33.2	918.0	1880
53	4X35mm²	37.1	1283.4	2437
54	4X50mm²	42.9	1832.3	3332
55	4X70mm²	48.2	2564.9	4376
56	4X95mm²	55.4	3482.9	5844
57	4X120mm²	59.7	4395.5	7029
58	4X150mm²	66.2	5498.8	8695
59	4X185mm²	72.8	6782.8	10610
60	4X240mm²	81.8	8801.0	13558
61	4X300mm²	90.4	10922.0	16695
62	5X1.0mm²	11.2	45.6	184
63	5X1.5mm²	12.4	68.4	235
64	5X2.5mm²	14.6	114.1	341
65	5X4.0mm²	17.1	182.7	485
66	5X6.0mm²	19.2	269.5	642
67	5X10mm²	26.5	459.0	1118
68	5X16mm²	30.3	733.5	1551
69	5X25mm²	36.8	1147.5	2315
70	6X1.5mm²	14.8	82.1	320
71	12X1.5mm²	19.3	164.3	550
72	18X1.5mm²	22.6	246.4	773
73	24X1.5mm²	26.4	328.5	1027
74	36X1.5mm²	30.2	492.8	1416
75	6X2.5mm²	17.2	136.9	453
76	12X2.5mm²	22.5	273.8	780
77	18X2.5mm²	26.5	410.7	1114
78	24X2.5mm²	31.2	547.6	1496
79	36X2.5mm²	35.9	821.4	2087
80	6X4.0mm²	19.8	219.2	633
81	12X4.0mm²	26.4	438.5	1118
82	18X4.0mm²	31.1	657.7	1595



WIPOUS®
维普斯

动力电缆
POWER CABLES

应用领域APPLICATION FIELD:

机械和设备制造业

工业自动化设备的动力驱动系统

电缆管道，发电站，工业和配电板等动力系统

Machinery and equipment manufacturing industry

Power drive system for industrial automation equipment

Power systems such as cable ducts, power stations, industrial and distribution boards

WIPOUS
维普斯

特点CHARACTERISTIC:

双屏蔽+镀锡铜丝编织工艺，抗干扰效果好

Double shield+tinned copper braided shield process, with good anti-interference effect

低烟、无卤、阻燃符合UL IEC标准、EN标准

Low smoke, halogen-free, flame retardant in accordance with UL, IEC, and EN standards

环保符合RoHS REACH

Environmental compliance with RoHS and REACH

高耐油可选

High oil resistance optional



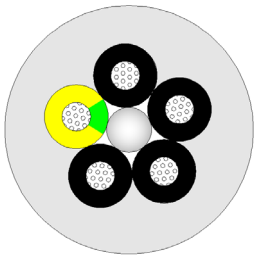
动力电缆 POWER CABLE

03

FNFLEX-JY-PVC

CE 认证 经济型 PVC 护套柔性动力控制电缆

CE certified economical PVC sheathed flexible power control cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility, and are suitable for fixed installation and occasionally curved occasions that free,discontinuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Good peeling property;
Occasional movement.

技术认证

CE 认证，TUV 认证；
符合 IEC60502；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to IEC60502;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:Grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance:
conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional; movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.5	74	201
2	3G4.0mm²	13.5	111	271
3	4G4.0mm²	14.7	148	339
4	5G4.0mm²	16.3	184	417
5	2X6.0mm²	14.4	110	272
6	3G6.0mm²	15.3	165	362
7	4G6.0mm²	16.9	220	465
8	5G6.0mm²	18.7	274	572
9	2X10mm²	16.6	184	389
10	3G10mm²	17.8	275	534
11	4G10mm²	19.7	367	688
12	5G10mm²	22.0	459	858
13	2X16mm²	19.3	293	563
14	3G16mm²	20.6	440	767
15	4G16mm²	23.0	587	1003
16	5G16mm²	25.6	733	1248
17	2X25mm²	23.7	459	860
18	3G25mm²	25.3	688	1176
19	4G25mm²	28.1	918	1533
20	5G25mm²	31.3	1147	1903
21	2X35mm²	26.9	642	1143
22	3G35mm²	28.7	963	1572
23	4G35mm²	31.9	1283	2050
24	5G35mm²	35.8	1604	2576
25	2X50mm²	31.8	916	1608
26	3G50mm²	33.9	1374	2216

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1832	2922
28	5G50mm²	42.1	2290	3615
29	2X70mm²	35.9	1283	2134
30	3G70mm²	38.6	1925	2998
31	4G70mm²	43.2	2567	3943
32	5G70mm²	47.9	3208	4875
33	2X95mm²	41.5	1741	2867
34	3G95mm²	44.6	2612	4028
35	4G95mm²	49.4	3483	5242
36	5G95mm²	54.8	4354	6484
37	2X120mm²	45.3	2200	3512
38	3G120mm²	48.8	3299	4949
39	4G120mm²	54.0	4399	6445
40	5G120mm²	59.8	5499	7976
41	2X150mm²	50.2	2749	4332
42	3G150mm²	54.0	4123	6117
43	4G150mm²	59.8	5497	7973
44	5G150mm²	66.5	6871	9901
45	2X185mm²	55.2	3387	5275
46	3G185mm²	59.4	5080	7461
47	4G185mm²	66.0	6774	9764
48	5G185mm²	73.3	8467	12121
49	2X240mm²	62.4	4389	6782
50	3G240mm²	66.7	6583	9529
51	4G240mm²	74.0	8778	12475
52	5G240mm²	82.0	10972	15446

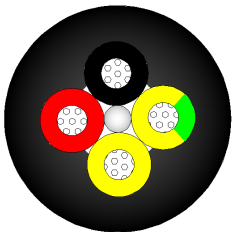
动力电缆 POWER CABLE

03

NYY-J NYY-O

CE 认证 标准型 PVC 绝缘 PVC 护套动力电缆

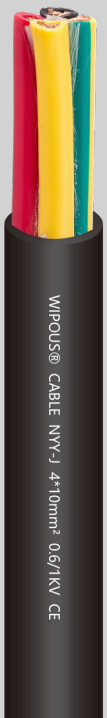
CE certified standard PVC insulated PVC sheathed power cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

这些动力电缆是专用于电缆管道，发电站，工业和配电板，以及用户网络的能源供应。也可用于在砖墙，混凝土中，可安装在露天，敷设于地下，水中和室内防止机械损伤的区域。此电缆抗紫外线，可户外使用。

Scope of application

These power cables are dedicated to the energy supply of cable ducts, power stations, industrial and distribution boards, and user networks. It can also be used in brick walls and concrete, installed in the open-air, laid underground, in water and indoor areas to prevent mechanical damage. This cable is UV resistant and can be used outdoors.

产品特性

阻燃性符合 IEC60332-1-2；
额定电流符合 HD603/VDE0276-603。

Product characteristics

Flame retardancy conform to IEC60332-1-2;
Rated current conform to HD603/VDE0276-603.

技术认证

CE 认证，TUV 认证；
符合 VDE0276, IEC60502；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to VDE0276, IEC60502;
RoHS，REACH.

电缆结构

多股裸铜丝，符合 IEC60228 标准，第 2 类；
PVC 芯线绝缘；
PVC 外护套；
外护套黑色。

Cable structure

Multi strand bare copper wire, conform to IEC60228, Class 2;
PVC core wire insulation;
PVC outer sheath;
Outer sheath color:black.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 2 类标准；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：
　　固定安装：-40 至+ 70℃；
　　工作温度：-5 至+ 50℃。
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径。

Technical parameters

Core wire identification:
according to DIN VDE0293-308;
Conductor resistance:
conform to IEC60228 Class 2 standard;
Rated voltage: 0.6/1KV;
Test voltage: 4000V;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Working temperature: - 5 to+50 ℃ .
Minimum bending radius:
　　single core: 15X cable diameter;
　　multi-core: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X1.5mm²	10.1	28	145
2	3G1.5mm²	10.6	41	169
3	4G1.5mm²	11.4	55	202
4	5G1.5mm²	12.3	69	240
5	6G1.5mm²	13.3	83	281
6	7G1.5mm²	13.3	97	292
7	8G1.5mm²	14.3	111	323
8	10G1.5mm²	16.5	138	401
9	12G1.5mm²	17.0	166	452
10	19G1.5mm²	19.7	263	648
11	25G1.5mm²	23.3	346	859
12	30G1.5mm²	24.6	415	994
13	37G1.5mm²	26.9	511	1212
14	2X2.5mm²	11.1	46	186
15	3G2.5mm²	11.7	69	221
16	4G2.5mm²	12.6	92	268
17	5G2.5mm²	13.7	115	320
18	6G2.5mm²	14.8	138	377
19	7G2.5mm²	14.8	161	396
20	8G2.5mm²	15.9	184	435
21	10G2.5mm²	18.5	230	541
22	12G2.5mm²	19.1	276	616
23	19G2.5mm²	22.2	438	899
24	25G2.5mm²	26.3	576	1190
25	30G2.5mm²	27.8	691	1386
26	37G2.5mm²	30.8	852	1728
27	2X4.0mm²	12.9	74	238
28	3G4.0mm²	13.6	111	299
29	4G4.0mm²	14.8	148	369
30	5G4.0mm²	16.1	184	441
31	2X6.0mm²	14.5	110	309
32	3G6.0mm²	15.3	165	394
33	4G6.0mm²	16.7	220	491
34	5G6.0mm²	18.3	274	592
35	2X10mm²	16.5	184	426
36	3G10mm²	17.5	275	557
37	4G10mm²	19.1	367	702
38	5G10mm²	21.0	459	852
39	2X16mm²	18.9	293	593

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
40	3G16mm²	20.0	440	789
41	4G16mm²	22.4	587	1028
42	5G16mm²	24.6	733	1253
43	2X25mm²	22.9	459	884
44	3G25mm²	24.3	688	1187
45	4G25mm²	26.8	918	1516
46	5G25mm²	30.3	1147	1922
47	2X35mm²	26.1	642	1181
48	3G35mm²	27.7	963	1595
49	4G35mm²	30.9	1283	2076
50	5G35mm²	34.5	1604	2580
51	2X50mm²	30.5	916	1634
52	3G50mm²	32.4	1374	2219
53	4G50mm²	36.1	1832	2890
54	5G50mm²	40.3	2290	3589
55	2X70mm²	34.5	1283	2173
56	3G70mm²	36.7	1925	2971
57	4G70mm²	40.9	2567	3872
58	5G70mm²	45.5	3208	4809
59	2X95mm²	39.7	1741	2895
60	3G95mm²	42.3	2612	3974
61	4G95mm²	47.1	3483	5182
62	5G95mm²	52.4	4354	6435
63	2X120mm²	43.7	2200	3574
64	3G120mm²	46.9	3299	4971
65	4G120mm²	51.8	4399	6418
66	5G120mm²	58.5	5499	8095
67	2X150mm²	48.1	2749	4368
68	3G150mm²	51.3	4123	6043
69	4G150mm²	58.3	5497	8083
70	5G150mm²	64.8	6871	10019
71	2X185mm²	53.9	3387	5456
72	3G185mm²	57.8	5080	7587
73	4G185mm²	64.3	6774	9876
74	5G185mm²	71.4	8467	12244
75	2X240mm²	60.5	4389	6942
76	3G240mm²	64.5	6583	9610
77	4G240mm²	72.1	8778	12612
78	5G240mm²	80.4	10972	15686

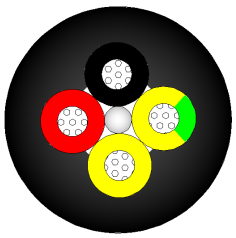
动力电缆 POWER CABLE

03

N2XY

CE 认证 标准型 XLPE 绝缘 PVC 护套动力电缆

CE certified standard XLPE insulated PVC sheathed power cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

这些动力电缆是专用于电缆管道，发电站，工业和配电板，以及用户网络的能源供应。也可用于在砖墙，混凝土中，可安装在露天，敷设于地下，水中和室内防止机械损伤的区域。此电缆抗紫外线，可户外使用。

Scope of application

These power cables are dedicated to the energy supply of cable ducts, power stations, industrial and distribution boards, and user networks. It can also be used in brick walls and concrete, installed in the open air, laid underground, in water and indoor areas to prevent mechanical damage. This cable is UV resistant and can be used outdoors.

产品特性

阻燃性符合 IEC60332-1-2;
额定电流符合 HD603/VDE0276-603。

Product characteristics

Flame retardancy conform to IEC60332-1-2;
Rated current conform to HD603/VDE0276-603.

技术认证

CE 认证，TUV 认证;
符合 VDE0276, IEC60502;
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to VDE0276, IEC60502;
RoHS，REACH.

电缆结构

多股裸铜丝，符合 IEC60228 标准，第 2 类;
XLPE 芯线绝缘;
PVC 外护套;
外护套黑色。

Cable structure

Multi strand bare copper wire, conform to IEC60228, Class 2;
XLPE core wire insulation;
PVC outer sheath;
Outer sheath color: black.

技术参数

芯线标识：根据 DIN VDE0293-308;
导体电阻：符合 IEC60228 2 类标准;
额定电压：0.6/1KV;
测试电压：4000V;
温度范围:
　　固定安装：-40 至+ 70℃;
　　工作温度：-5 至+ 70℃。
最小弯曲半径:
　　单芯线：15X 电缆直径;
　　多芯线：12X 电缆直径。

Technical parameters

Core wire identification:
according to DIN VDE0293-308;
Conductor resistance:
conform to IEC60228 Class 2 standard;
Rated voltage: 0.6/1KV;
Test voltage: 4000V;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Working temperature: - 5 to+70 ℃ .
Minimum bending radius:
　　single core: 15X cable diameter;
　　multi-core: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X1.5mm²	9.7	28	136
2	3G1.5mm²	10.2	41	159
3	4G1.5mm²	10.9	55	189
4	5G1.5mm²	11.8	69	224
5	6G1.5mm²	12.7	83	262
6	7G1.5mm²	12.7	97	274
7	8G1.5mm²	13.6	111	285
8	10G1.5mm²	15.7	138	360
9	12G1.5mm²	16.2	166	408
10	19G1.5mm²	18.7	263	588
11	25G1.5mm²	22.1	346	780
12	30G1.5mm²	23.3	415	904
13	37G1.5mm²	25.5	511	1103
14	2X2.5mm²	10.7	46	175
15	3G2.5mm²	11.3	69	209
16	4G2.5mm²	12.1	92	253
17	5G2.5mm²	13.2	115	303
18	6G2.5mm²	14.2	138	356
19	7G2.5mm²	14.2	161	376
20	8G2.5mm²	15.3	184	389
21	10G2.5mm²	17.7	230	491
22	12G2.5mm²	18.2	276	562
23	19G2.5mm²	21.2	438	827
24	25G2.5mm²	25.1	576	1094
25	30G2.5mm²	26.5	691	1278
26	37G2.5mm²	29.4	852	1591
27	2X4.0mm²	12.1	74	208
28	3G4.0mm²	12.8	111	265
29	4G4.0mm²	13.9	148	327
30	5G4.0mm²	15.1	184	392
31	2X6.0mm²	13.8	110	276
32	3G6.0mm²	14.6	165	357
33	4G6.0mm²	15.9	220	446
34	5G6.0mm²	17.3	274	538
35	2X10mm²	15.8	184	389
36	3G10mm²	16.8	275	514
37	4G10mm²	18.3	367	650
38	5G10mm²	20.0	459	791
39	2X16mm²	18.1	293	548

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
40	3G16mm²	19.3	440	738
41	4G16mm²	21.5	587	962
42	5G16mm²	23.6	733	1175
43	2X25mm²	22.1	459	828
44	3G25mm²	23.6	688	1123
45	4G25mm²	25.9	918	1439
46	5G25mm²	29.3	1147	1820
47	2X35mm²	25.3	642	1112
48	3G35mm²	27.0	963	1517
49	4G35mm²	30.0	1283	1976
50	5G35mm²	33.4	1604	2456
51	2X50mm²	29.4	916	1534
52	3G50mm²	31.3	1374	2104
53	4G50mm²	34.8	1832	2742
54	5G50mm²	38.7	2290	3406
55	2X70mm²	33.9	1283	2084
56	3G70mm²	36.1	1925	2872
57	4G70mm²	40.2	2567	3746
58	5G70mm²	44.7	3208	4652
59	2X95mm²	38.3	1741	2737
60	3G95mm²	40.9	2612	3790
61	4G95mm²	45.4	3483	4947
62	5G95mm²	50.5	4354	6144
63	2X120mm²	42.5	2200	3411
64	3G120mm²	45.8	3299	4778
65	4G120mm²	50.4	4399	6181
66	5G120mm²	56.9	5499	7784
67	2X150mm²	47.0	2749	4195
68	3G150mm²	50.3	4123	5847
69	4G150mm²	57.1	5497	7806
70	5G150mm²	63.3	6871	9679
71	2X185mm²	52.8	3387	5246
72	3G185mm²	56.9	5080	7344
73	4G185mm²	63.1	6774	9569
74	5G185mm²	70.0	8467	11868
75	2X240mm²	59.0	4389	6658
76	3G240mm²	63.1	6583	9284
77	4G240mm²	70.4	8778	12188
78	5G240mm²	78.3	10972	15159

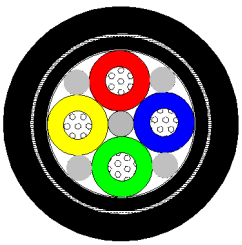
动力电缆 POWER CABLE

03

CU/PVC/PVC/STA/PVC

CE 认证 PVC 绝缘 PVC 内外护套钢带铠装安装动力电缆

CE certified PVC insulated, PVC inner and outer sheathed, steel tape armoured installation power cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment. They can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. They are also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
机械强度高，耐机械损伤；
抗挤压性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High mechanical strength and resistance to mechanical damage;
Excellent anti-extrusion performance.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certification;
CE certification;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
PVC 芯线绝缘；
PVC 内护套；
镀锌钢带铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 2 or 5);
PVC core insulation;
PVC inner sheath;
Galvanized steel tape armoring;
PVC outer sheath;
The outer sheath is generally black; other colors are available as options.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：
　　固定安装：-15 至+ 70℃；
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径。

Technical parameters

Core identification: In accordance with DIN VDE 0293-308;
Conductor resistance: conform to the requirements of IEC 60228;
Rated voltage: 0.6/1KV;
Test voltage: 4000V;
Temperature range:
　　Fixed installation: -15 to +70℃ ;
Minimum bending radius:
　　Single-core cable: 15X cable diameter;
　　Multi-core cable: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.6	13.7	202
2	1X2.5mm²	11.1	22.8	225
3	1X4.0mm²	12.0	36.5	273
4	1X6.0mm²	12.6	53.9	310
5	1X10mm²	14.0	91.8	395
6	1X16mm²	15.2	146.7	495
7	1X25mm²	17.9	229.5	756
8	1X35mm²	19.4	320.8	910
9	1X50mm²	22.2	458.1	1257
10	1X70mm²	24.2	641.2	1554
11	1X95mm²	26.6	870.7	1916
12	1X120mm²	28.7	1098.9	2259
13	1X150mm²	31.0	1374.7	2691
14	1X185mm²	34.6	1695.7	3388
15	1X240mm²	38.6	2200.2	4230
16	2X1.5mm²	13.9	27.4	349
17	2X2.5mm²	14.9	45.6	406
18	2X4.0mm²	17.6	73.1	623
19	2X6.0mm²	18.8	107.8	725
20	2X10mm²	22.4	183.6	1026
21	2X16mm²	24.7	293.4	1261
22	2X25mm²	29.0	459.0	1697
23	2X35mm²	32.3	641.7	2102
24	2X50mm²	37.9	916.2	2957
25	2X70mm²	42.6	1282.5	3703
26	2X95mm²	48.8	1741.4	4999
27	2X120mm²	53.2	2197.7	5936
28	2X150mm²	57.8	2749.4	6960
29	2X185mm²	63.2	3391.4	8243
30	2X240mm²	70.0	4400.5	10074
31	3X1.5mm²	14.4	41.1	380
32	3X2.5mm²	16.4	68.4	548
33	3X4.0mm²	18.3	109.6	699
34	3X6.0mm²	19.6	161.7	821
35	3X10mm²	23.4	275.4	1188
36	3X16mm²	25.9	440.1	1485
37	3X25mm²	30.8	688.5	2061
38	3X35mm²	35.2	962.5	2785
39	3X50mm²	40.8	1374.3	3689
40	3X70mm²	46.3	1923.7	4945
41	3X95mm²	52.5	2612.2	6301
42	3X120mm²	56.3	3296.6	7348
43	3X150mm²	62.3	4124.1	8912
44	3X185mm²	67.7	5087.1	10513
45	3X240mm²	76.5	6600.7	13765
46	4X1.5mm²	15.2	54.8	433
47	4X2.5mm²	17.3	91.3	619
48	4X4.0mm²	19.5	146.2	795
49	4X6.0mm²	21.0	215.6	951
50	4X10mm²	25.1	367.2	1387
51	4X16mm²	28.7	586.8	1823
52	4X25mm²	34.4	918.0	2702
53	4X35mm²	39.1	1283.4	3450
54	4X50mm²	44.6	1832.3	4489
55	4X70mm²	51.2	2564.9	6110
56	4X95mm²	57.4	3482.9	7696
57	4X120mm²	62.3	4395.5	9174
58	4X150mm²	68.2	5498.8	10970
59	4X185mm²	75.7	6782.8	13832
60	4X240mm²	84.2	8801.0	17125
61	5X1.5mm²	17.0	68.4	582

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	5X2.5mm²	18.4	114.1	706
63	5X4.0mm²	20.8	182.7	920
64	5X6.0mm²	23.1	269.5	1209
65	5X10mm²	27.8	459.0	1649
66	5X16mm²	31.5	733.5	2157
67	5X25mm²	38.2	1147.5	3267
68	5X35mm²	42.9	1604.2	4108
69	5X50mm²	50.3	2290.4	5789
70	5X70mm²	55.8	3206.1	7257
71	5X95mm²	63.1	4353.6	9285
72	5X120mm²	68.1	5494.3	10950
73	5X150mm²	76.2	6873.5	14037
74	5X185mm²	83.2	8478.4	16671
75	5X240mm²	92.3	11001.2	20540
76	6X1.5mm²	18.0	82.1	657
77	6X2.5mm²	19.5	136.9	788
78	6X4.0mm²	22.9	219.2	1159
79	6X6.0mm²	24.7	323.4	1377
80	7X1.5mm²	18.0	95.8	669
81	7X2.5mm²	19.5	159.7	807
82	7X4.0mm²	22.9	255.8	1189
83	7X6.0mm²	24.7	377.3	1422
84	8X1.5mm²	19.2	109.5	738
85	8X2.5mm²	20.8	182.5	898
86	8X4.0mm²	24.5	292.3	1308
87	8X6.0mm²	26.5	431.2	1560
88	9X1.5mm²	20.2	123.2	801
89	9X2.5mm²	22.7	205.3	1087
90	9X4.0mm²	25.9	328.9	1427
91	9X6.0mm²	28.9	485.1	1778
92	10X1.5mm²	22.1	136.9	986
93	10X2.5mm²	24.1	228.2	1204
94	10X4.0mm²	28.5	365.4	1647
95	10X6.0mm²	31.5	539.0	2030
96	11X1.5mm²	22.1	150.6	1006
97	11X2.5mm²	24.1	251.0	1233
98	11X4.0mm²	28.5	401.9	1693
99	11X6.0mm²	31.1	592.9	2063
100	12X1.5mm²	22.6	164.3	1054
101	12X2.5mm²	24.7	273.8	1294
102	12X4.0mm²	29.2	438.5	1778
103	12X6.0mm²	31.9	646.8	2171
104	16X1.5mm²	24.3	219.0	1227
105	16X2.5mm²	27.5	365.0	1588
106	17X1.5mm²	25.3	232.7	1306
107	17X2.5mm²	28.6	387.9	1685
108	18X2.5mm²	28.6	410.7	1714
109	19X1.5mm²	25.3	260.1	1344
110	19X2.5mm²	28.6	433.5	1743
111	24X1.5mm²	29.3	328.5	1691
112	24X2.5mm²	32.9	547.6	2169
113	25X1.5mm²	29.3	342.2	1710
114	25X2.5mm²	32.5	570.4	2166
115	28X1.5mm²	29.8	383.3	1800
116	28X2.5mm²	34.3	638.8	2534
117	29X1.5mm²	31.2	397.0	1918
118	29X2.5mm²	35.8	661.7	2678
119	32X1.5mm²	32.1	438.1	2041
120	32X2.5mm²	37.3	730.1	2891
121	37X1.5mm²	33.1	506.5	2204
122	37X2.5mm²	38.4	844.2	3134

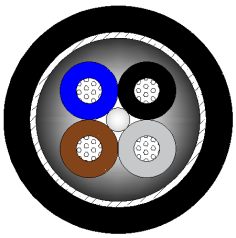
动力电缆 POWER CABLE

03

CU/PVC/PVC/SWA/PVC

CE 认证 PVC 绝缘 PVC 内外护套钢丝铠装安装动力电缆

CE certified PVC insulated, PVC inner and outer sheathed, steel wire armoured installation power cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment. They can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. They are also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
机械强度高，耐机械损伤；
抗拉伸性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High mechanical strength and resistance to mechanical damage;
Excellent tensile resistance.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certification;
CE certification;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
PVC 芯线绝缘；
PVC 内护套；
镀锌钢丝铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper,conform to IEC 60228 (Class 2 or 5);
PVC core insulation;
PVC inner sheath;
Galvanized steel wire armoring;
PVC outer sheath;
The outer sheath is generally black; other colors are available as options.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：
　　固定安装：-15 至+ 70℃；
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径。

Technical parameters

Core identification: In accordance with DIN VDE 0293-308;
Conductor resistance: conform to the requirements of IEC 60228;
Rated voltage: 0.6/1KV;
Test voltage: 4000V;
Temperature range:
　　Fixed installation: -15 to +70℃ ;
Minimum bending radius:
　　Single-core cable: 15X cable diameter;
　　Multi-core cable: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.6	13.7	202
2	1X2.5mm²	11.1	22.8	225
3	1X4.0mm²	12.0	36.5	273
4	1X6.0mm²	12.6	53.9	310
5	1X10mm²	14.0	91.8	395
6	1X16mm²	15.2	146.7	495
7	1X25mm²	17.9	229.5	756
8	1X35mm²	19.4	320.8	910
9	1X50mm²	22.2	458.1	1257
10	1X70mm²	24.2	641.2	1554
11	1X95mm²	26.6	870.7	1916
12	1X120mm²	28.7	1098.9	2259
13	1X150mm²	31.0	1374.7	2691
14	1X185mm²	34.6	1695.7	3388
15	1X240mm²	38.6	2200.2	4230
16	2X1.5mm²	13.9	27.4	349
17	2X2.5mm²	14.9	45.6	406
18	2X4.0mm²	17.6	73.1	623
19	2X6.0mm²	18.8	107.8	725
20	2X10mm²	22.4	183.6	1026
21	2X16mm²	24.7	293.4	1261
22	2X25mm²	29.0	459.0	1697
23	2X35mm²	32.3	641.7	2102
24	2X50mm²	37.9	916.2	2957
25	2X70mm²	42.6	1282.5	3703
26	2X95mm²	48.8	1741.4	4999
27	2X120mm²	53.2	2197.7	5936
28	2X150mm²	57.8	2749.4	6960
29	2X185mm²	63.2	3391.4	8243
30	2X240mm²	70.0	4400.5	10074
31	3X1.5mm²	14.4	41.1	380
32	3X2.5mm²	16.4	68.4	548
33	3X4.0mm²	18.3	109.6	699
34	3X6.0mm²	19.6	161.7	821
35	3X10mm²	23.4	275.4	1188
36	3X16mm²	25.9	440.1	1485
37	3X25mm²	30.8	688.5	2061
38	3X35mm²	35.2	962.5	2785
39	3X50mm²	40.8	1374.3	3689
40	3X70mm²	46.3	1923.7	4945
41	3X95mm²	52.5	2612.2	6301
42	3X120mm²	56.3	3296.6	7348
43	3X150mm²	62.3	4124.1	8912
44	3X185mm²	67.7	5087.1	10513
45	3X240mm²	76.5	6600.7	13765
46	4X1.5mm²	15.2	54.8	433
47	4X2.5mm²	17.3	91.3	619
48	4X4.0mm²	19.5	146.2	795
49	4X6.0mm²	21.0	215.6	951
50	4X10mm²	25.1	367.2	1387
51	4X16mm²	28.7	586.8	1823
52	4X25mm²	34.4	918.0	2702
53	4X35mm²	39.1	1283.4	3450
54	4X50mm²	44.6	1832.3	4489
55	4X70mm²	51.2	2564.9	6110
56	4X95mm²	57.4	3482.9	7696
57	4X120mm²	62.3	4395.5	9174
58	4X150mm²	68.2	5498.8	10970
59	4X185mm²	75.7	6782.8	13832
60	4X240mm²	84.2	8801.0	17125
61	5X1.5mm²	17.0	68.4	582

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	5X2.5mm²	18.4	114.1	706
63	5X4.0mm²	20.8	182.7	920
64	5X6.0mm²	23.1	269.5	1209
65	5X10mm²	27.8	459.0	1649
66	5X16mm²	31.5	733.5	2157
67	5X25mm²	38.2	1147.5	3267
68	5X35mm²	42.9	1604.2	4108
69	5X50mm²	50.3	2290.4	5789
70	5X70mm²	55.8	3206.1	7257
71	5X95mm²	63.1	4353.6	9285
72	5X120mm²	68.1	5494.3	10950
73	5X150mm²	76.2	6873.5	14037
74	5X185mm²	83.2	8478.4	16671
75	5X240mm²	92.3	11001.2	20540
76	6X1.5mm²	18.0	82.1	657
77	6X2.5mm²	19.5	136.9	788
78	6X4.0mm²	22.9	219.2	1159
79	6X6.0mm²	24.7	323.4	1377
80	7X1.5mm²	18.0	95.8	669
81	7X2.5mm²	19.5	159.7	807
82	7X4.0mm²	22.9	255.8	1189
83	7X6.0mm²	24.7	377.3	1422
84	8X1.5mm²	19.2	109.5	738
85	8X2.5mm²	20.8	182.5	898
86	8X4.0mm²	24.5	292.3	1308
87	8X6.0mm²	26.5	431.2	1560
88	9X1.5mm²	20.2	123.2	801
89	9X2.5mm²	22.7	205.3	1087
90	9X4.0mm²	25.9	328.9	1427
91	9X6.0mm²	28.9	485.1	1778
92	10X1.5mm²	22.1	136.9	986
93	10X2.5mm²	24.1	228.2	1204
94	10X4.0mm²	28.5	365.4	1647
95	10X6.0mm²	31.5	539.0	2030
96	11X1.5mm²	22.1	150.6	1006
97	11X2.5mm²	24.1	251.0	1233
98	11X4.0mm²	28.5	401.9	1693
99	11X6.0mm²	31.1	592.9	2063
100	12X1.5mm²	22.6	164.3	1054
101	12X2.5mm²	24.7	273.8	1294
102	12X4.0mm²	29.2	438.5	1778
103	12X6.0mm²	31.9	646.8	2171
104	16X1.5mm²	24.3	219.0	1227
105	16X2.5mm²	27.5	365.0	1588
106	17X1.5mm²	25.3	232.7	1306
107	17X2.5mm²	28.6	387.9	1685
108	18X2.5mm²	28.6	410.7	1714
109	19X1.5mm²	25.3	260.1	1344
110	19X2.5mm²	28.6	433.5	1743
111	24X1.5mm²	29.3	328.5	1691
112	24X2.5mm²	32.9	547.6	2169
113	25X1.5mm²	29.3	342.2	1710
114	25X2.5mm²	32.5	570.4	2166
115	28X1.5mm²	29.8	383.3	1800
116	28X2.5mm²	34.3	638.8	2534
117	29X1.5mm²	31.2	397.0	1918
118	29X2.5mm²	35.8	661.7	2678
119	32X1.5mm²	32.1	438.1	2041
120	32X2.5mm²	37.3	730.1	2891
121	37X1.5mm²	33.1	506.5	2204
122	37X2.5mm²	38.4	844.2	3134

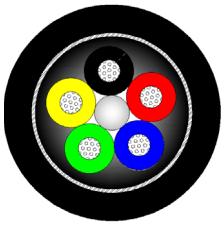
动力电缆 POWER CABLE

03

CU/XLPE/PVC/STA/PVC

CE 认证 XLPE 绝缘 PVC 内外护套钢带铠装安装动力电缆

CE certified XLPE insulated, PVC inner and outer sheathed, steel tape armoured installation power cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗挤压性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent crush resistance.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
PVC 内护套；
镀锌钢带铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper,conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
PVC inner sheath;
Galvanized steel tape armoring;
PVC outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：
　　固定安装：-15 至+ 70℃；
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range:
　　Fixed installation: -15 to +70℃ ;
Minimum bending radius:
　　Single-core cable: 15× cable diameter;
　　Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.4	13.7	192
2	1X2.5mm²	10.9	22.8	217
3	1X4.0mm²	11.4	36.5	247
4	1X6.0mm²	12.0	53.9	283
5	1X10mm²	13.4	91.8	365
6	1X16mm²	14.6	146.7	457
7	1X25mm²	17.4	229.5	706
8	1X35mm²	18.8	320.8	863
9	1X50mm²	20.7	458.1	1081
10	1X70mm²	23.6	641.2	1469
11	1X95mm²	25.6	870.7	1802
12	1X120mm²	27.9	1098.9	2162
13	1X150mm²	30.2	1374.7	2565
14	1X185mm²	33.0	1695.7	3068
15	1X240mm²	37.5	2200.2	4026
16	2X1.5mm²	13.5	27.4	325
17	2X2.5mm²	14.5	45.6	384
18	2X4.0mm²	16.4	73.1	545
19	2X6.0mm²	17.6	107.8	642
20	2X10mm²	20.6	183.6	833
21	2X16mm²	23.5	293.4	1167
22	2X25mm²	28.2	459.0	1609
23	2X35mm²	31.5	641.7	2010
24	2X50mm²	36.4	916.2	2756
25	2X70mm²	41.8	1282.5	3591
26	2X95mm²	47.2	1741.4	4758
27	2X120mm²	52.0	2197.7	5708
28	2X150mm²	56.6	2749.4	6704
29	2X185mm²	62.0	3391.4	7958
30	2X240mm²	68.2	4400.5	9647
31	3X1.5mm²	14.0	41.1	356
32	3X2.5mm²	15.0	68.4	425
33	3X4.0mm²	17.0	109.6	602
34	3X6.0mm²	18.3	161.7	728
35	3X10mm²	22.2	275.4	1074
36	3X16mm²	24.6	440.1	1373
37	3X25mm²	30.1	688.5	1965
38	3X35mm²	33.5	962.5	2461
39	3X50mm²	39.6	1374.3	3481
40	3X70mm²	44.0	1923.7	4385
41	3X95mm²	50.3	2612.2	5903
42	3X120mm²	54.8	3296.6	7029
43	3X150mm²	60.2	4124.1	8422
44	3X185mm²	65.9	5087.1	10069
45	3X240mm²	72.8	6600.7	12327
46	4X1.5mm²	14.7	54.8	401
47	4X2.5mm²	16.8	91.3	581
48	4X4.0mm²	18.1	146.2	695
49	4X6.0mm²	19.5	215.6	833
50	4X10mm²	23.8	367.2	1256
51	4X16mm²	26.8	586.8	1644
52	4X25mm²	32.4	918.0	2338
53	4X35mm²	37.6	1283.4	3243
54	4X50mm²	42.7	1832.3	4193
55	4X70mm²	49.7	2564.9	5846
56	4X95mm²	54.9	3482.9	7219
57	4X120mm²	59.9	4395.5	8653
58	4X150mm²	66.3	5498.8	10482
59	4X185mm²	72.4	6782.8	12494
60	4X240mm²	81.5	8801.0	16277
61	5X1.5mm²	16.5	68.4	542

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	5X2.5mm²	17.9	114.1	652
63	5X4.0mm²	19.2	182.7	795
64	5X6.0mm²	20.8	269.5	967
65	5X10mm²	25.9	459.0	1470
66	5X16mm²	29.9	733.5	1981
67	5X25mm²	36.4	1147.5	3009
68	5X35mm²	41.3	1604.2	3863
69	5X50mm²	48.2	2290.4	5435
70	5X70mm²	54.2	3206.1	6940
71	5X95mm²	60.0	4353.6	8627
72	5X120mm²	65.9	5494.3	10441
73	5X150mm²	72.8	6873.5	12601
74	5X185mm²	81.1	8478.4	15958
75	5X240mm²	89.3	11001.2	19535
76	6X1.5mm²	17.4	82.1	602
77	6X2.5mm²	18.9	136.9	737
78	6X4.0mm²	20.4	219.2	900
79	6X6.0mm²	22.9	323.4	1215
80	7X1.5mm²	17.4	95.8	611
81	7X2.5mm²	18.9	159.7	753
82	7X4.0mm²	20.4	255.8	927
83	7X6.0mm²	22.9	377.3	1256
84	8X1.5mm²	18.5	109.5	676
85	8X2.5mm²	20.2	182.5	830
86	8X4.0mm²	22.5	292.3	1129
87	8X6.0mm²	24.5	431.2	1384
88	9X1.5mm²	19.4	123.2	734
89	9X2.5mm²	21.2	205.3	912
90	9X4.0mm²	23.8	328.9	1233
91	9X6.0mm²	26.3	485.1	1538
92	10X1.5mm²	20.6	136.9	809
93	10X2.5mm²	23.3	228.2	1110
94	10X4.0mm²	25.7	365.4	1389
95	10X6.0mm²	29.1	539.0	1777
96	11X1.5mm²	20.6	150.6	825
97	11X2.5mm²	23.3	251.0	1135
98	11X4.0mm²	25.7	401.9	1427
99	11X6.0mm²	28.7	592.9	1803
100	12X1.5mm²	21.1	164.3	862
101	12X2.5mm²	23.8	273.8	1191
102	12X4.0mm²	26.3	438.5	1500
103	12X6.0mm²	29.4	646.8	1899
104	16X1.5mm²	23.4	219.0	1116
105	16X2.5mm²	26.2	365.0	1436
106	17X1.5mm²	24.3	232.7	1190
107	17X2.5mm²	27.6	387.9	1553
108	18X2.5mm²	27.6	410.7	1578
109	19X1.5mm²	24.3	260.1	1221
110	19X2.5mm²	27.6	433.5	1603
111	24X1.5mm²	28.1	328.5	1541
112	24X2.5mm²	31.7	547.6	1998
113	25X1.5mm²	28.1	342.2	1557
114	25X2.5mm²	31.3	570.4	1992
115	28X1.5mm²	28.6	383.3	1636
116	28X2.5mm²	32.2	638.8	2134
117	29X1.5mm²	29.9	397.0	1746
118	29X2.5mm²	33.7	661.7	2275
119	32X1.5mm²	30.8	438.1	1840
120	32X2.5mm²	35.6	730.1	2628
121	37X1.5mm²	31.7	506.5	1984
122	37X2.5mm²	36.6	844.2	2821

动力电缆 POWER CABLE

03

CU/XLPE/PVC/SWA/PVC

CE 认证 XLPE 绝缘 PVC 内外护套钢丝铠装安装动力电缆

CE certified XLPE insulated, PVC inner and outer sheathed, steel wire armoured installation power cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment. They can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. They are also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗拉伸性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent tensile resistance.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certification;
CE certification;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
PVC 内护套；
镀锌钢丝铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 2 or 5);
XLPE core insulation;
PVC inner sheath;
Galvanized steel wire armoring;
PVC outer sheath;
The outer sheath is generally black; other colors are available as options.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：
　　固定安装：-15 至+ 70℃；
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径。

Technical parameters

Core identification: In accordance with DIN VDE 0293-308;
Conductor resistance: conform to the requirements of IEC 60228;
Rated voltage: 0.6/1KV;
Test voltage: 4000V;
Temperature range:
　　Fixed installation: -15 to +70℃ ;
Minimum bending radius:
　　Single-core cable: 15X cable diameter;
　　Multi-core cable: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.4	13.7	192
2	1X2.5mm²	10.9	22.8	217
3	1X4.0mm²	11.4	36.5	247
4	1X6.0mm²	12.0	53.9	283
5	1X10mm²	13.4	91.8	365
6	1X16mm²	14.6	146.7	457
7	1X25mm²	17.4	229.5	706
8	1X35mm²	18.8	320.8	863
9	1X50mm²	20.7	458.1	1081
10	1X70mm²	23.6	641.2	1469
11	1X95mm²	25.6	870.7	1802
12	1X120mm²	27.9	1098.9	2162
13	1X150mm²	30.2	1374.7	2565
14	1X185mm²	33.0	1695.7	3068
15	1X240mm²	37.5	2200.2	4026
16	2X1.5mm²	13.5	27.4	325
17	2X2.5mm²	14.5	45.6	384
18	2X4.0mm²	16.4	73.1	545
19	2X6.0mm²	17.6	107.8	642
20	2X10mm²	20.6	183.6	833
21	2X16mm²	23.5	293.4	1167
22	2X25mm²	28.2	459.0	1609
23	2X35mm²	31.5	641.7	2010
24	2X50mm²	36.4	916.2	2756
25	2X70mm²	41.8	1282.5	3591
26	2X95mm²	47.2	1741.4	4758
27	2X120mm²	52.0	2197.7	5708
28	2X150mm²	56.6	2749.4	6704
29	2X185mm²	62.0	3391.4	7958
30	2X240mm²	68.2	4400.5	9647
31	3X1.5mm²	14.0	41.1	356
32	3X2.5mm²	15.0	68.4	425
33	3X4.0mm²	17.0	109.6	602
34	3X6.0mm²	18.3	161.7	728
35	3X10mm²	22.2	275.4	1074
36	3X16mm²	24.6	440.1	1373
37	3X25mm²	30.1	688.5	1965
38	3X35mm²	33.5	962.5	2461
39	3X50mm²	39.6	1374.3	3481
40	3X70mm²	44.0	1923.7	4385
41	3X95mm²	50.3	2612.2	5903
42	3X120mm²	54.8	3296.6	7029
43	3X150mm²	60.2	4124.1	8422
44	3X185mm²	65.9	5087.1	10069
45	3X240mm²	72.8	6600.7	12327
46	4X1.5mm²	14.7	54.8	401
47	4X2.5mm²	16.8	91.3	581
48	4X4.0mm²	18.1	146.2	695
49	4X6.0mm²	19.5	215.6	833
50	4X10mm²	23.8	367.2	1256
51	4X16mm²	26.8	586.8	1644
52	4X25mm²	32.4	918.0	2338
53	4X35mm²	37.6	1283.4	3243
54	4X50mm²	42.7	1832.3	4193
55	4X70mm²	49.7	2564.9	5846
56	4X95mm²	54.9	3482.9	7219
57	4X120mm²	59.9	4395.5	8653
58	4X150mm²	66.3	5498.8	10482
59	4X185mm²	72.4	6782.8	12494
60	4X240mm²	81.5	8801.0	16277
61	5X1.5mm²	16.5	68.4	542

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	5X2.5mm²	17.9	114.1	652
63	5X4.0mm²	19.2	182.7	795
64	5X6.0mm²	20.8	269.5	967
65	5X10mm²	25.9	459.0	1470
66	5X16mm²	29.9	733.5	1981
67	5X25mm²	36.4	1147.5	3009
68	5X35mm²	41.3	1604.2	3863
69	5X50mm²	48.2	2290.4	5435
70	5X70mm²	54.2	3206.1	6940
71	5X95mm²	60.0	4353.6	8627
72	5X120mm²	65.9	5494.3	10441
73	5X150mm²	72.8	6873.5	12601
74	5X185mm²	81.1	8478.4	15958
75	5X240mm²	89.3	11001.2	19535
76	6X1.5mm²	17.4	82.1	602
77	6X2.5mm²	18.9	136.9	737
78	6X4.0mm²	20.4	219.2	900
79	6X6.0mm²	22.9	323.4	1215
80	7X1.5mm²	17.4	95.8	611
81	7X2.5mm²	18.9	159.7	753
82	7X4.0mm²	20.4	255.8	927
83	7X6.0mm²	22.9	377.3	1256
84	8X1.5mm²	18.5	109.5	676
85	8X2.5mm²	20.2	182.5	830
86	8X4.0mm²	22.5	292.3	1129
87	8X6.0mm²	24.5	431.2	1384
88	9X1.5mm²	19.4	123.2	734
89	9X2.5mm²	21.2	205.3	912
90	9X4.0mm²	23.8	328.9	1233
91	9X6.0mm²	26.3	485.1	1538
92	10X1.5mm²	20.6	136.9	809
93	10X2.5mm²	23.3	228.2	1110
94	10X4.0mm²	25.7	365.4	1389
95	10X6.0mm²	29.1	539.0	1777
96	11X1.5mm²	20.6	150.6	825
97	11X2.5mm²	23.3	251.0	1135
98	11X4.0mm²	25.7	401.9	1427
99	11X6.0mm²	28.7	592.9	1803
100	12X1.5mm²	21.1	164.3	862
101	12X2.5mm²	23.8	273.8	1191
102	12X4.0mm²	26.3	438.5	1500
103	12X6.0mm²	29.4	646.8	1899
104	16X1.5mm²	23.4	219.0	1116
105	16X2.5mm²	26.2	365.0	1436
106	17X1.5mm²	24.3	232.7	1190
107	17X2.5mm²	27.6	387.9	1553
108	18X2.5mm²	27.6	410.7	1578
109	19X1.5mm²	24.3	260.1	1221
110	19X2.5mm²	27.6	433.5	1603
111	24X1.5mm²	28.1	328.5	1541
112	24X2.5mm²	31.7	547.6	1998
113	25X1.5mm²	28.1	342.2	1557
114	25X2.5mm²	31.3	570.4	1992
115	28X1.5mm²	28.6	383.3	1636
116	28X2.5mm²	32.2	638.8	2134
117	29X1.5mm²	29.9	397.0	1746
118	29X2.5mm²	33.7	661.7	2275
119	32X1.5mm²	30.8	438.1	1840
120	32X2.5mm²	35.6	730.1	2628
121	37X1.5mm²	31.7	506.5	1984
122	37X2.5mm²	36.6	844.2	2821

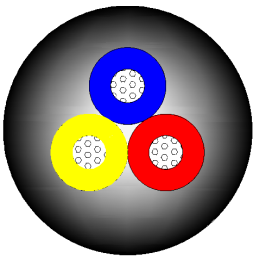
动力电缆 POWER CABLE

03

AWM 2570

UL/CUL 认证 PVC 护套柔性动力电缆

UL/CUL certified PVC sheathed flexible power control cable



PVC 护套柔性
动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility, and are suitable for fixed installation and occasionally curved occasions that free,discontinuous reciprocating movement without tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Widely recognized in the North American market;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2570，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2570, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
无纺布绕包；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：国际色规；
导体电阻：UL1581 标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-15 至+ 80℃；
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: international Color standard;
Conductor resistance: UL1581 standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 3000V;
Temperature range:
　　fixed installation: - 40 to+80℃ ;
　　Moved installation: - 15 to+80 ℃ ;
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.1	24	69
2	3G16AWG	7.5	36	89
3	4G16AWG	8.4	48	115
4	5G16AWG	9.3	60	143
5	6G16AWG	10.3	72	170
6	7G16AWG	11.3	84	209
7	8G16AWG	12.4	96	248
8	10G16AWG	13.1	121	265
9	12G16AWG	13.7	145	308
10	16G16AWG	15.1	193	393
11	2X14AWG	8.1	38	95
12	3G14AWG	8.6	57	123
13	4G14AWG	9.5	76	160
14	5G14AWG	10.6	95	198
15	6G14AWG	11.7	114	235
16	7G14AWG	12.8	133	289
17	8G14AWG	13.9	152	334
18	10G14AWG	15.1	190	376
19	12G14AWG	15.6	228	430
20	2X12AWG	9.1	60	128
21	3G12AWG	9.8	90	174
22	4G12AWG	11.0	121	226
23	5G12AWG	12.2	151	280
24	6G12AWG	13.4	181	333

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	7G12AWG	14.7	211	407
26	8G12AWG	16.1	241	479
27	10G12AWG	17.5	301	542
28	12G12AWG	18.0	362	622
29	2X10AWG	11.4	97	194
30	3G10AWG	12.3	146	264
31	4G10AWG	13.6	195	342
32	5G10AWG	15.1	243	440
33	2X8AWG	14.4	156	308
34	3G8AWG	15.4	234	419
35	4G8AWG	17.0	311	534
36	5G8AWG	18.7	389	687
37	2X6AWG	18.6	247	494
38	3G6AWG	19.9	370	672
39	4G6AWG	22.4	493	882
40	5G6AWG	24.9	616	1148
41	2X4AWG	22.0	405	741
42	3G4AWG	23.7	608	1027
43	4G4AWG	26.1	810	1317
44	5G4AWG	29.4	1013	1738
45	2X2AWG	26.0	599	1065
46	3G2AWG	27.6	898	1447
47	4G2AWG	31.2	1198	1922
48	5G2AWG	34.6	1497	2480

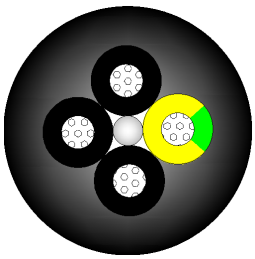
动力电缆 POWER CABLE

03

AWM 2586

UL/CUL 认证耐热 PVC 护套柔性动力电缆

UL/CUL certified heat-resistant PVC sheathed flexible power cable



PVC 护套柔性
动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility, and are suitable for fixed installation and occasionally curved occasions that free,discontinuous reciprocating movement without tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Widely recognized in the North American market;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2586，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2586, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE 芯线绝缘可选；
无纺布绕包；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC/TPE core wire insulation is optional;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color: black or gray (RAL7001).

技术参数

芯线标识：国际色规；
导体电阻：UL1581 标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：
　　固定安装：-40 至+ 105℃；
　　移动安装：-15 至+ 105℃；
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification: international Color standard;
Conductor resistance: UL1581 standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 3000V;
Temperature range:
　　fixed installation: - 40 to+105 ℃ ;
　　Moved installation: - 15 to+105 ℃ ;
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
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4	5G16AWG	9.3	60	143
5	6G16AWG	10.3	72	170
6	7G16AWG	11.3	84	209
7	8G16AWG	12.4	96	248
8	10G16AWG	13.1	121	265
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10	16G16AWG	15.1	193	393
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24	6G12AWG	13.4	181	333

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
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34	3G8AWG	15.4	234	419
35	4G8AWG	17.0	311	534
36	5G8AWG	18.7	389	687
37	2X6AWG	18.6	247	494
38	3G6AWG	19.9	370	672
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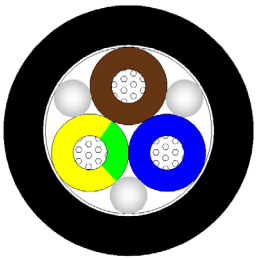
动力电缆 POWER CABLE

03

CU/PVC/PVC

CB 认证 PVC 绝缘 PVC 护套柔性动力电缆

CU/PVC/PVC CB Certified PVC Insulated PVC Sheathed Flexible Power Cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

这些动力电缆是专用于电缆管道，发电站，工业和配电板，以及用户网络的能源供应。也可用于在砖墙，混凝土中，可安装在露天，敷设于地下，水中和室内防止机械损伤的区域。

Scope of application

These power cables are specifically designed for power supply in cable ducts, power stations, industrial facilities, distribution boards, and consumer networks. They can also be used in brick walls and concrete, and are suitable for installation in open air, underground, underwater, as well as indoor areas requiring protection against mechanical damage.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
良好的剥离性。

Product characteristics

Flexibility and easy bending;
Flame retardancy conform to IEC 60332-1-2;
Excellent strippability.

技术认证

CB 认证；
符合 IEC60502；
RoHS，REACH。

Technical certification

CB Certification;
Conform to IEC 60502;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
无纺布绕包；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

Stranded bare copper(Class 5, conform to IEC 60228);
PVC core insulation;
Non-woven fabric wrapping;
PVC outer sheath (typically black; other colors available upon request).

技术参数

芯线标识：根据 IEC 60445；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线，
　　X = 不含黄绿接地保护芯线；
温度范围：
　　固定安装：-15 至+ 70℃；
　　移动安装：-5 至+ 70℃；
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core Identification: In accordance with IEC 60445;
Conductor Resistance: conform to IEC 60228 Class 5;
Rated Voltage: 0.6/1 KV;
Insulation Resistance: > 20 MΩ x km;
Test Voltage: 4000 V;
Grounding Protection Core:
G = With yellow-green grounding protection core;
X = Without yellow-green grounding protection core;
Temperature Range:
　　Fixed installation: -15 to +70℃ ;
　　Mobile installation: -5 to +70℃ ;
Minimum Bending Radius:
　　Fixed installation: 5 × cable diameter;
　　Occasional movement: 15 × cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	6.1	13.689	55.239
2	1X2.5mm²	6.6	22.816	69.992
3	1X4.0mm²	7.5	36.541	96.104
4	1X6.0mm²	8.1	53.902	120.913
5	1X10mm²	9.5	91.797	175.936
6	1X16mm²	10.6	146.695	244.525
7	1X25mm²	12.4	229.492	356.364
8	1X35mm²	14	320.839	473.402
9	1X50mm²	16.2	458.085	654.951
10	1X70mm²	18.4	641.229	881.496
11	1X95mm²	21	870.721	1173.128
12	1X120mm²	23	1098.864	1446.458
13	1X150mm²	25.6	1374.705	1802.194
14	1X185mm²	28.2	1695.688	2207.26
15	1X240mm²	31.8	2200.247	2839.32
16	2X1.5mm²	10.1	27.379	139.787
17	2X2.5mm²	11.1	45.631	178.739
18	2X4.0mm²	12.9	73.081	250.846
19	2X6.0mm²	14.1	107.804	315.771
20	2X10mm²	17.1	183.594	428.328
21	2X16mm²	19.6	293.39	596.227
22	2X25mm²	23.4	458.985	864.623
23	2X35mm²	26.4	641.679	1129.763
24	2X50mm²	31.2	916.17	1593.817
25	2X70mm²	35.6	1282.458	2123.519
26	2X95mm²	40.8	1741.442	2819.184
27	2X120mm²	44.8	2197.727	3472.474
28	2X150mm²	49.6	2749.409	4282.622
29	2X185mm²	54.8	3391.376	5252.31
30	2X240mm²	61.8	4400.494	6732.945
31	3X1.5mm²	10.6	41.068	163.278
32	3X2.5mm²	11.7	68.447	212.825
33	3X4.0mm²	13.6	109.622	303.042
34	3X6.0mm²	15	161.705	390.482
35	3X10mm²	18.2	275.391	557.487
36	3X16mm²	20.8	440.085	781.447
37	3X25mm²	24.9	688.477	1147.759
38	3X35mm²	28.5	962.518	1542.113

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
39	3X50mm²	33.7	1374.255	2165.537
40	3X70mm²	38.2	1923.686	2892.966
41	3X95mm²	43.8	2612.164	3850.545
42	3X120mm²	47.6	3296.591	4700.71
43	3X150mm²	53.2	4124.114	5871.169
44	3X185mm²	59	5087.064	7231.457
45	3X240mm²	66.6	6600.742	9295.677
46	4X1.5mm²	11.4	54.757	195.865
47	4X2.5mm²	12.6	91.262	258.562
48	4X4.0mm²	14.8	146.162	372.265
49	4X6.0mm²	16.4	215.607	483.26
50	4X10mm²	19.7	367.188	689.466
51	4X16mm²	22.8	586.781	988.756
52	4X25mm²	27.5	917.97	1475.877
53	4X35mm²	31.5	1283.358	1977.26
54	4X50mm²	37.2	1832.339	2777.558
55	4X70mm²	42.4	2564.915	3740.988
56	4X95mm²	48.8	3482.885	5008.634
57	4X120mm²	53.4	4395.455	6160
58	4X150mm²	59.5	5498.818	7683.598
59	4X185mm²	65.7	6782.752	9416.374
60	4X240mm²	74	8800.989	12083.065
61	5X1.5mm²	12.3	68.447	232.438
62	5X2.5mm²	13.7	114.078	309.495
63	5X4.0mm²	16.1	182.703	449.264
64	5X6.0mm²	17.8	269.509	585.851
65	5X10mm²	21.7	458.985	842.632
66	5X16mm²	25.2	733.476	1211.041
67	5X25mm²	30.6	1147.462	1827.909
68	5X35mm²	35.4	1604.197	2478.179
69	5X50mm²	41.4	2290.424	3457.247
70	5X70mm²	47.1	3206.144	4651.332
71	5X95mm²	54.2	4353.606	6222.791
72	5X120mm²	59.4	5494.318	7664.546
73	5X150mm²	66.2	6873.523	9553.529
74	5X185mm²	72.8	8478.439	11665.539
75	5X240mm²	82	11001.236	14951.195

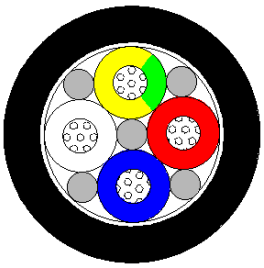
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/V-90/5V-90

SAA 认证 PVC 绝缘 PVC 护套柔性动力电缆

SAA Certified PVC Insulated PVC Sheathed Flexible Power Cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

通常用于 0.6/1kV 低压系统，符合澳大利亚和新西兰电网的住宅及一般工商业电压要求。可用于建筑物内部的固定电力布线，如住宅、商业楼宇、工业厂房的配电系统。还能用于连接配电盘、开关设备、照明系统、插座等，还可用于开关柜及控制面板布线，以及活动房和房车等有保护管槽内的固定布线

Scope of application

It is typically used in 0.6/1kV low-voltage systems, meeting the voltage requirements for residential, general industrial and commercial applications in the Australian and New Zealand power grids. It can be applied to fixed power wiring inside buildings, such as the power distribution systems in residences, commercial buildings and industrial plants. Additionally, it can be used for connecting distribution boards, switchgear, lighting systems, sockets, etc., as well as for wiring in switch cabinets and control panels, and fixed wiring in protective conduits/trunking of mobile homes and caravans.

产品特性

阻燃性符合 IEC60332-1-2。

Product characteristics

The flame retardancy conform to IEC60332-1-2。

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS，REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
V-90 core insulation, conform to AS/NZS 3808;
5V-90 outer sheath, conform to AS/NZS 3808;
The outer sheath is generally black, with other colors available as options.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：
　　固定安装：-15 至+ 90℃；
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification:
According to the requirements of AS/NZS 5000.1;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range:
　　Fixed installation: -15 to +90℃ ;
Minimum bending radius: 7.5 X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	5.5	4.49	39.03
2	1X0.75mm²	5.7	6.85	43.54
3	1X1.0mm²	5.8	9.13	47.38
4	1X1.5mm²	6.1	13.69	55.24
5	1X2.5mm²	6.6	22.82	69.99
6	1X4.0mm²	7.5	36.54	96.10
7	1X6.0mm²	8.1	53.90	120.91
8	1X10mm²	9.5	91.80	175.94
9	1X16mm²	10.6	146.70	244.53
10	1X25mm²	12.4	229.49	356.36
11	1X35mm²	14	320.84	473.40
12	1X50mm²	16.2	458.09	654.95
13	1X70mm²	18.4	641.23	881.50
14	1X95mm²	21	870.72	1173.13
15	1X120mm²	23	1098.86	1446.46
16	1X150mm²	25.6	1374.71	1802.19
17	1X185mm²	28.2	1695.69	2207.26
18	1X240mm²	31.8	2200.25	2839.32
19	2X0.5mm²	8.8	8.98	96.77
20	2X0.75mm²	9.2	13.69	108.84
21	2X1.0mm²	9.5	18.25	118.93
22	2X1.5mm²	10.1	27.38	139.79
23	2X2.5mm²	11.1	45.63	178.74
24	2X4.0mm²	12.9	73.08	250.85
25	2X6.0mm²	14.1	107.80	315.77
26	2X10mm²	17.1	183.59	428.33
27	2X16mm²	19.6	293.39	596.23
28	2X25mm²	23.4	458.99	864.62
29	2X35mm²	26.4	641.68	1129.76
30	2X50mm²	31.2	916.17	1593.82
31	2X70mm²	35.6	1282.46	2123.52
32	2X95mm²	40.8	1741.44	2819.18
33	2X120mm²	44.8	2197.73	3472.47
34	2X150mm²	49.6	2749.41	4282.62
35	2X185mm²	54.8	3391.38	5252.31

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
36	2X240mm²	61.8	4400.49	6732.95
37	3X0.5mm²	9.2	13.48	109.16
38	3X0.75mm²	9.6	20.53	124.20
39	3X1.0mm²	9.9	27.38	136.97
40	3X1.5mm²	10.6	41.07	163.28
41	3X2.5mm²	11.7	68.45	212.83
42	3X4.0mm²	13.6	109.62	303.04
43	3X6.0mm²	15	161.71	390.48
44	3X10mm²	18.2	275.39	557.49
45	3X16mm²	20.8	440.09	781.45
46	3X25mm²	24.9	688.48	1147.76
47	3X35mm²	28.5	962.52	1542.11
48	3X50mm²	33.7	1374.26	2165.54
49	3X70mm²	38.2	1923.69	2892.97
50	3X95mm²	43.8	2612.16	3850.55
51	3X120mm²	47.6	3296.59	4700.71
52	3X150mm²	53.2	4124.11	5871.17
53	3X185mm²	59	5087.06	7231.46
54	3X240mm²	66.6	6600.74	9295.68
55	4X0.5mm²	9.9	17.97	127.78
56	4X0.75mm²	10.3	27.38	146.62
57	4X1.0mm²	10.7	36.51	162.71
58	4X1.5mm²	11.4	54.76	195.87
59	4X2.5mm²	12.6	91.26	258.56
60	4X4.0mm²	14.8	146.16	372.27
61	4X6.0mm²	16.4	215.61	483.26
62	4X10mm²	19.7	367.19	689.47
63	4X16mm²	22.8	586.78	988.76
64	4X25mm²	27.5	917.97	1475.88
65	4X35mm²	31.5	1283.36	1977.26
66	4X50mm²	37.2	1832.34	2777.56
67	4X70mm²	42.4	2564.92	3740.99
68	4X95mm²	48.8	3482.89	5008.63
69	4X120mm²	53.4	4395.46	6160.00
70	4X150mm²	59.5	5498.82	7683.60

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
71	4X185mm²	65.7	6782.75	9416.37
72	4X240mm²	74	8800.99	12083.07
73	5X0.5mm²	10.6	22.46	149.05
74	5X0.75mm²	11.1	34.22	172.07
75	5X1.0mm²	11.5	45.63	191.78
76	5X1.5mm²	12.3	68.45	232.44
77	5X2.5mm²	13.7	114.08	309.50
78	5X4.0mm²	16.1	182.70	449.26
79	5X6.0mm²	17.8	269.51	585.85
80	5X10mm²	21.7	458.99	842.63
81	5X16mm²	25.2	733.48	1211.04
82	5X25mm²	30.6	1147.46	1827.91
83	5X35mm²	35.4	1604.20	2478.18
84	5X50mm²	41.4	2290.42	3457.25
85	5X70mm²	47.1	3206.14	4651.33
86	5X95mm²	54.2	4353.61	6222.79
87	5X120mm²	59.4	5494.32	7664.55
88	5X150mm²	66.2	6873.52	9553.53
89	5X185mm²	72.8	8478.44	11665.54
90	5X240mm²	82	11001.24	14951.20
91	6X0.5mm²	11.4	26.95	172.45
92	6X0.75mm²	12	41.07	199.98
93	6X1.0mm²	12.4	54.76	223.57
94	6X1.5mm²	13.3	82.14	272.27
95	6X2.5mm²	14.8	136.89	364.72
96	6X4.0mm²	17.5	219.24	532.77
97	6X6.0mm²	19.4	323.41	696.69
98	7X0.5mm²	11.4	31.44	176.74
99	7X0.75mm²	12	47.91	206.20
100	7X1.0mm²	12.4	63.88	231.64
101	7X1.5mm²	13.3	95.83	284.07
102	7X2.5mm²	14.8	159.71	383.93
103	7X4.0mm²	17.6	255.78	567.43
104	7X6.0mm²	19.4	377.31	741.37
105	8X0.5mm²	12.4	35.94	204.53
106	8X0.75mm²	13.1	54.76	237.50
107	8X1.0mm²	13.6	73.01	265.98
108	8X1.5mm²	14.6	109.52	324.53

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
109	8X2.5mm²	16.2	182.52	435.85
110	8X4.0mm²	19.2	292.32	634.24
111	8X6.0mm²	21.4	431.21	837.39
112	9X0.5mm²	13.2	40.43	227.13
113	9X0.75mm²	13.9	61.60	264.36
114	9X1.0mm²	14.5	82.14	296.53
115	9X1.5mm²	15.6	123.20	362.70
116	9X2.5mm²	17.4	205.34	488.55
117	9X4.0mm²	20.6	328.87	713.28
118	9X6.0mm²	23	485.12	942.62
119	10X0.5mm²	14.2	44.92	254.00
120	10X0.75mm²	15	68.45	296.03
121	10X1.0mm²	15.6	91.26	332.30
122	10X1.5mm²	16.8	136.89	406.96
123	10X2.5mm²	18.8	228.16	548.95
124	10X4.0mm²	22.6	365.41	814.49
125	10X6.0mm²	25.2	539.02	1067.30
126	12X0.5mm²	14.6	53.90	279.21
127	12X0.75mm²	15.4	82.14	327.50
128	12X1.0mm²	16	109.52	369.36
129	12X1.5mm²	17.3	164.27	455.51
130	12X2.5mm²	19.4	273.79	619.85
131	12X4.0mm²	23.3	438.49	924.66
132	12X6.0mm²	26	646.82	1218.12
133	15X0.5mm²	15.6	67.38	325.39
134	15X0.75mm²	16.5	102.67	384.07
135	15X1.0mm²	17.2	136.89	435.12
136	15X1.5mm²	18.6	205.34	540.20
137	15X2.5mm²	20.8	342.23	741.14
138	16X0.5mm²	16	71.87	341.99
139	16X0.75mm²	16.9	109.52	404.29
140	16X1.0mm²	17.6	146.02	458.52
141	16X1.5mm²	19	219.03	570.17
142	16X2.5mm²	21.4	365.05	783.78
143	20X0.5mm²	17.5	89.84	409.72
144	20X0.75mm²	18.6	136.89	486.72
145	20X1.0mm²	19.4	182.52	553.86
146	20X1.5mm²	21.2	273.79	702.59

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
147	20X2.5mm²	23.8	456.31	968.90
148	24X0.5mm²	19.3	107.80	484.77
149	24X0.75mm²	20.5	164.27	577.47
150	24X1.0mm²	21.4	219.03	658.32
151	24X1.5mm²	23.4	328.54	836.49
152	24X2.5mm²	26.8	547.57	1176.62
153	25X0.5mm²	19.3	112.30	493.66
154	25X0.75mm²	20.5	171.12	589.04
155	25X1.0mm²	21.4	228.16	672.34
156	25X1.5mm²	23.4	342.23	855.53
157	25X2.5mm²	26.8	570.39	1205.51
158	26X0.5mm²	19.3	116.79	502.55
159	26X0.75mm²	20.5	177.96	600.61
160	26X1.0mm²	21.4	237.28	686.36
161	26X1.5mm²	23.4	355.92	874.57
162	26X2.5mm²	26.8	593.20	1234.40
163	30X0.5mm²	20.4	134.75	562.92
164	30X0.75mm²	21.6	205.34	674.88
165	30X1.0mm²	22.8	273.79	784.16
166	30X1.5mm²	25.1	410.68	1005.16
167	30X2.5mm²	28.5	684.47	1411.27
168	32X0.5mm²	21.2	143.74	603.63
169	32X0.75mm²	22.6	219.03	729.16
170	32X1.0mm²	23.6	292.04	834.40
171	32X1.5mm²	26	438.06	1069.91
172	32X2.5mm²	29.7	730.10	1510.72
173	36X0.5mm²	22.1	161.71	663.88
174	36X0.75mm²	23.5	246.41	797.40
175	36X1.0mm²	24.6	328.54	917.20
176	36X1.5mm²	27	492.82	1174.81
177	36X2.5mm²	30.8	821.36	1663.62
178	2X1.5mm²+1.0mm²E	10.4	36.51	154.40
179	2X2.5mm²+1.5mm²E	11.3	59.32	196.02
180	2X4mm²+2.5mm²E	13.1	95.90	274.98
181	2X6mm²+4.0mm²E	14.5	144.34	358.64
182	2X10mm²+6.0mm²E	17.2	235.71	491.28
183	2X16mm²+10mm²E	20	381.45	701.42
184	2X25mm²+16mm²E	23.6	599.80	1022.59

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
185	2X35mm²+16mm²E	26.2	780.72	1275.57
186	2X50mm²+25mm²E	31.4	1134.54	1827.31
187	2X70mm²+35mm²E	35.8	1587.73	2453.02
188	2X95mm²+50mm²E	41	2178.17	3277.30
189	2X120mm²+70mm²E	45	2811.39	4089.40
190	2X150mm²+70mm²E	49.6	3357.72	4896.81
191	2X185mm²+95mm²E	54.9	4220.72	6092.38
192	2X240mm²+120mm²E	61.8	5445.97	7770.66
193	3X1.5mm²+1.0mm²E	11.3	50.19	190.04
194	3X2.5mm²+1.5mm²E	12.3	82.14	242.58
195	3X4mm²+2.5mm²E	14.3	132.44	342.83
196	3X6mm²+4.0mm²E	15.9	198.25	452.28
197	3X10mm²+6.0mm²E	18.9	326.62	631.60
198	3X16mm²+10mm²E	22.1	526.72	911.83
199	3X25mm²+16mm²E	26.3	827.06	1348.61
200	3X35mm²+16mm²E	29.8	1098.44	1740.04
201	3X50mm²+25mm²E	35.4	1588.18	2465.36
202	3X70mm²+35mm²E	40.2	2222.73	3306.54
203	3X95mm²+50mm²E	46.3	3040.44	4444.32
204	3X120mm²+70mm²E	50.8	3899.59	5517.41
205	3X150mm²+70mm²E	55.4	4719.08	6619.74
206	3X185mm²+95mm²E	61.6	5899.94	8225.40
207	3X240mm²+120mm²E	69.1	7624.85	10494.01
208	4X1.5mm²+1.0mm²E	12.2	63.88	224.19
209	4X2.5mm²+1.5mm²E	13.4	104.95	293.75
210	4X4mm²+2.5mm²E	15.7	168.98	423.81
211	4X6mm²+4.0mm²E	17.5	252.15	558.79
212	4X10mm²+6.0mm²E	21.1	417.53	789.53
213	4X16mm²+10mm²E	24.4	671.99	1130.44
214	4X25mm²+16mm²E	29.3	1054.33	1688.32
215	4X35mm²+16mm²E	33.5	1416.17	2210.88
216	4X50mm²+25mm²E	39.4	2041.81	3113.64
217	4X70mm²+35mm²E	44.7	2857.74	4168.04
218	4X95mm²+50mm²E	51.6	3902.71	5607.41
219	4X120mm²+70mm²E	56.8	4987.78	6975.11
220	4X150mm²+70mm²E	62.6	6080.44	8494.31
221	4X185mm²+95mm²E	69.4	7579.17	10514.74
222	4X240mm²+120mm²E	77.8	9803.74	13406.92

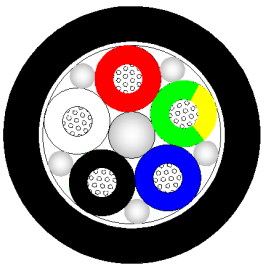
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/X-90/5V-90

SAA 认证 XLPE 绝缘 PVC 护套柔性动力电缆

SAA Certified XLPE Insulated PVC Sheathed Flexible Power Cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

通常用于 0.6/1kV 低压系统，符合澳大利亚和新西兰电网的住宅及一般工商业电压要求。可用于建筑物内部的固定电力布线，如住宅、商业楼宇、工业厂房的配电系统。还能用于连接配电盘、开关设备、照明系统、插座等，还可用于开关柜及控制面板布线，以及活动房和房车等有保护管槽内的固定布线。

Scope of application

It is typically used in 0.6/1kV low-voltage systems, meeting the voltage requirements for residential, general industrial and commercial applications in the Australian and New Zealand power grids. It can be applied to fixed power wiring inside buildings, such as the power distribution systems in residences, commercial buildings and industrial plants. Additionally, it can be used for connecting distribution boards, switchgear, lighting systems, sockets, etc., as well as for wiring in switch cabinets and control panels, and fixed wiring in protective conduits/trunking of mobile homes and caravans.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low capacitance design.

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
X-90 芯线绝缘，符合 AS/NZS 3808；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
X-90 core insulation, conform to AS/NZS 3808;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：
　　固定安装：-15 至+ 90℃；
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.1 requirements;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range:
　　Fixed installation: -15 to +90℃ ;
Minimum bending radius: 7.5 X cable diameter.

Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	5.3	4.492	35
2	1X0.75mm²	5.5	6.845	39
3	1X1.0mm²	5.6	9.126	43
4	1X1.5mm²	5.9	13.689	50
5	1X2.5mm²	6.4	22.816	64
6	1X4.0mm²	6.9	36.541	82
7	1X6.0mm²	7.5	53.902	106
8	1X10mm²	8.9	91.797	158
9	1X16mm²	10	146.695	223
10	1X25mm²	11.9	229.492	330
11	1X35mm²	13.3	320.839	437
12	1X50mm²	15.4	458.085	608
13	1X70mm²	17.8	641.229	833
14	1X95mm²	20	870.721	1097
15	1X120mm²	22.2	1098.864	1371
16	1X150mm²	24.8	1374.705	1712
17	1X185mm²	27.4	1695.688	2102
18	1X240mm²	30.6	2200.247	2687
19	2X0.5mm²	8.4	8.984	85
20	2X0.75mm²	8.8	13.689	97
21	2X1.0mm²	9.1	18.252	106
22	2X1.5mm²	9.7	27.379	126
23	2X2.5mm²	10.7	45.631	163
24	2X4.0mm²	11.7	73.081	210
25	2X6.0mm²	12.9	107.804	270
26	2X10mm²	16	183.594	383
27	2X16mm²	18.4	293.39	541
28	2X25mm²	22.4	458.985	801
29	2X35mm²	25.2	641.679	1048
30	2X50mm²	29.5	916.17	1462
31	2X70mm²	34.4	1282.458	2005
32	2X95mm²	38.8	1741.442	2626
33	2X120mm²	43	2197.727	3265
34	2X150mm²	48	2749.409	4064
35	2X185mm²	53.2	3391.376	4999
36	2X240mm²	59.6	4400.494	6376
37	3X0.5mm²	8.8	13.475	95
38	3X0.75mm²	9.2	20.534	109
39	3X1.0mm²	9.5	27.379	121
40	3X1.5mm²	10.2	41.068	146
41	3X2.5mm²	11.2	68.447	193
42	3X4.0mm²	12.3	109.622	253
43	3X6.0mm²	13.7	161.705	335
44	3X10mm²	17	275.391	498
45	3X16mm²	19.5	440.085	709
46	3X25mm²	23.8	688.477	1062
47	3X35mm²	27	962.518	1417
48	3X50mm²	31.9	1374.255	1991
49	3X70mm²	36.7	1923.686	2712
50	3X95mm²	41.6	2612.164	3591
51	3X120mm²	45.9	3296.591	4449
52	3X150mm²	51.5	4124.114	5572

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	57.2	5087.064	6883
54	3X240mm²	64.2	6600.742	8808
55	4X0.5mm²	9.4	17.967	110
56	4X0.75mm²	9.9	27.379	128
57	4X1.0mm²	10.2	36.505	143
58	4X1.5mm²	10.9	54.757	174
59	4X2.5mm²	12.1	91.262	233
60	4X4.0mm²	13.4	146.162	311
61	4X6.0mm²	14.9	215.607	414
62	4X10mm²	18.4	367.188	614
63	4X16mm²	21.3	586.781	896
64	4X25mm²	26.3	917.97	1365
65	4X35mm²	30	1283.358	1834
66	4X50mm²	35.3	1832.339	2573
67	4X70mm²	40.9	2564.915	3530
68	4X95mm²	46.3	3482.885	4672
69	4X120mm²	51.4	4395.455	5832
70	4X150mm²	57.6	5498.818	7293
71	4X185mm²	63.7	6782.752	8962
72	4X240mm²	71.1	8800.989	11414
73	5X0.5mm²	10	22.459	128
74	5X0.75mm²	10.6	34.223	149
75	5X1.0mm²	11	45.631	168
76	5X1.5mm²	11.8	68.447	206
77	5X2.5mm²	13.2	114.078	278
78	5X4.0mm²	14.5	182.703	374
79	5X6.0mm²	16.2	269.509	500
80	5X10mm²	20.2	458.985	750
81	5X16mm²	23.4	733.476	1091
82	5X25mm²	29.2	1147.462	1690
83	5X35mm²	33.8	1604.197	2299
84	5X50mm²	39.3	2290.424	3203
85	5X70mm²	45.3	3206.144	4366
86	5X95mm²	51.5	4353.606	5804
87	5X120mm²	57.2	5494.318	7255
88	5X150mm²	64.1	6873.523	9067
89	5X185mm²	70.7	8478.439	11101
90	5X240mm²	79	11001.236	14165
91	6X0.5mm²	10.8	26.951	147
92	6X0.75mm²	11.4	41.068	173
93	6X1.0mm²	11.8	54.757	195
94	6X1.5mm²	12.7	82.136	240
95	6X2.5mm²	14.2	136.893	328
96	6X4.0mm²	15.7	219.243	442
97	6X6.0mm²	17.6	323.411	594
98	7X0.5mm²	10.8	31.443	150
99	7X0.75mm²	11.4	47.913	177
100	7X1.0mm²	11.8	63.884	201
101	7X1.5mm²	12.7	95.825	250
102	7X2.5mm²	14.2	159.709	344
103	7X4.0mm²	15.8	255.784	472

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	17.6	377.312	634
105	8X0.5mm²	11.8	35.935	174
106	8X0.75mm²	12.4	54.757	205
107	8X1.0mm²	12.9	73.01	232
108	8X1.5mm²	13.9	109.515	286
109	8X2.5mm²	15.6	182.524	391
110	8X4.0mm²	17.2	292.324	531
111	8X6.0mm²	19.4	431.214	720
112	9X0.5mm²	12.5	40.426	193
113	9X0.75mm²	13.2	61.602	227
114	9X1.0mm²	13.8	82.136	258
115	9X1.5mm²	14.8	123.204	320
116	9X2.5mm²	16.6	205.34	438
117	9X4.0mm²	18.5	328.865	596
118	9X6.0mm²	20.8	485.116	809
119	10X0.5mm²	13.4	44.918	215
120	10X0.75mm²	14.2	68.447	254
121	10X1.0mm²	14.8	91.262	288
122	10X1.5mm²	16	136.893	358
123	10X2.5mm²	18	228.156	492
124	10X4.0mm²	20.2	365.405	680
125	10X6.0mm²	22.6	539.018	909
126	11X0.5mm²	13.4	49.41	222
127	11X0.75mm²	14.2	75.291	263
128	11X1.0mm²	14.8	100.388	300
129	11X1.5mm²	16	150.583	374
130	11X2.5mm²	18	250.971	517
131	11X4.0mm²	20.2	401.946	718
132	11X6.0mm²	22.6	592.919	964
133	12X0.5mm²	13.8	53.902	235
134	12X0.75mm²	14.6	82.136	279
135	12X1.0mm²	15.2	109.515	319
136	12X1.5mm²	16.5	164.272	399
137	12X2.5mm²	18.5	273.787	554
138	12X4.0mm²	20.8	438.486	771
139	12X6.0mm²	23.5	646.821	1050
140	13X0.5mm²	14.4	58.394	253
141	13X0.75mm²	15.3	88.981	301
142	13X1.0mm²	15.9	118.641	344
143	13X1.5mm²	17.2	177.961	431
144	13X2.5mm²	19.4	296.602	600
145	14X0.5mm²	14.4	62.885	259
146	14X0.75mm²	15.3	95.825	310
147	14X1.0mm²	15.9	127.767	355
148	14X1.5mm²	17.3	191.651	448
149	14X2.5mm²	19.5	319.418	625
150	15X0.5mm²	14.7	67.377	271
151	15X0.75mm²	15.6	102.67	326
152	15X1.0mm²	16.3	136.893	374
153	15X1.5mm²	17.6	205.34	472
154	15X2.5mm²	19.9	342.233	661
155	16X0.5mm²	15	71.869	285

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	16	109.515	342
157	16X1.0mm²	16.7	146.02	393
158	16X1.5mm²	18.1	219.029	497
159	16X2.5mm²	20.5	365.049	698
160	17X0.5mm²	15.8	76.361	305
161	17X0.75mm²	16.8	116.359	367
162	17X1.0mm²	17.5	155.146	422
163	17X1.5mm²	19	232.719	533
164	17X2.5mm²	21.7	387.864	759
165	18X0.5mm²	15.8	80.853	312
166	18X0.75mm²	16.8	123.204	376
167	18X1.0mm²	17.5	164.272	433
168	18X1.5mm²	19	246.408	549
169	18X2.5mm²	21.7	410.68	784
170	19X0.5mm²	15.8	85.344	318
171	19X0.75mm²	16.8	130.049	385
172	19X1.0mm²	17.5	173.398	444
173	19X1.5mm²	19	260.097	565
174	19X2.5mm²	21.7	433.496	809
175	20X0.5mm²	16.5	89.836	339
176	20X0.75mm²	17.5	136.893	410
177	20X1.0mm²	18.3	182.524	473
178	20X1.5mm²	20.1	273.787	612
179	20X2.5mm²	22.8	456.311	862
180	21X0.5mm²	16.5	94.328	346
181	21X0.75mm²	17.5	143.738	419
182	21X1.0mm²	18.3	191.651	484
183	21X1.5mm²	20.1	287.476	628
184	21X2.5mm²	22.8	479.127	887
185	22X0.5mm²	17.2	98.82	367
186	22X0.75mm²	18.3	150.583	445
187	22X1.0mm²	19.2	200.777	514
188	22X1.5mm²	21	301.165	666
189	22X2.5mm²	23.8	501.942	941
190	23X0.5mm²	17.2	103.312	374
191	23X0.75mm²	18.3	157.427	454
192	23X1.0mm²	19.2	209.903	525
193	23X1.5mm²	21	314.855	682
194	23X2.5mm²	23.8	524.758	966
195	24X0.5mm²	18.1	107.804	400
196	24X0.75mm²	19.3	164.272	485
197	24X1.0mm²	20.2	219.029	561
198	24X1.5mm²	22.2	328.544	727
199	24X2.5mm²	25.4	547.573	1041
200	25X0.5mm²	18.1	112.295	406
201	25X0.75mm²	19.3	171.117	494
202	25X1.0mm²	20.2	228.156	572
203	25X1.5mm²	22.2	342.233	743
204	25X2.5mm²	25.4	570.389	1066
205	26X0.5mm²	18.1	116.787	413
206	26X0.75mm²	19.3	177.961	503

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	20.2	237.282	583
208	26X1.5mm²	22.2	355.923	759
209	26X2.5mm²	25.4	593.204	1091
210	27X0.5mm²	18.5	121.279	427
211	27X0.75mm²	19.7	184.806	521
212	27X1.0mm²	20.8	246.408	615
213	27X1.5mm²	22.7	369.612	787
214	27X2.5mm²	25.9	616.02	1132
215	28X0.5mm²	18.5	125.771	434
216	28X0.75mm²	19.7	191.651	530
217	28X1.0mm²	20.8	255.534	626
218	28X1.5mm²	22.7	383.301	803
219	28X2.5mm²	25.9	638.836	1157
220	29X0.5mm²	19.1	130.263	454
221	29X0.75mm²	20.4	198.495	555
222	29X1.0mm²	21.5	264.66	655
223	29X1.5mm²	23.6	396.991	851
224	29X2.5mm²	27	661.651	1222
225	30X0.5mm²	19.1	134.754	461
226	30X0.75mm²	20.4	205.34	564
227	30X1.0mm²	21.5	273.787	666
228	30X1.5mm²	23.6	410.68	867
229	30X2.5mm²	27	684.467	1247
230	31X0.5mm²	19.8	139.246	487
231	31X0.75mm²	21.3	212.185	601
232	31X1.0mm²	22.3	282.913	697
233	31X1.5mm²	24.5	424.369	906
234	31X2.5mm²	28.2	707.282	1310
235	32X0.5mm²	19.8	143.738	494
236	32X0.75mm²	21.3	219.029	610
237	32X1.0mm²	22.3	292.039	708
238	32X1.5mm²	24.5	438.059	922
239	32X2.5mm²	28.2	730.098	1335
240	33X0.5mm²	19.8	148.23	500
241	33X0.75mm²	21.3	225.874	618
242	33X1.0mm²	22.3	301.165	719
243	33X1.5mm²	24.5	451.748	938
244	33X2.5mm²	28.2	752.913	1360
245	34X0.5mm²	20.7	152.722	529
246	34X0.75mm²	22.1	232.719	647
247	34X1.0mm²	23.1	310.292	752
248	34X1.5mm²	25.4	465.437	980
249	34X2.5mm²	29.2	775.729	1419
250	35X0.5mm²	20.7	157.213	535
251	35X0.75mm²	22.1	239.563	656
252	35X1.0mm²	23.1	319.418	763
253	35X1.5mm²	25.4	479.127	995
254	35X2.5mm²	29.2	798.544	1444
255	36X0.5mm²	20.7	161.705	542
256	36X0.75mm²	22.1	246.408	665
257	36X1.0mm²	23.1	328.544	774
258	36X1.5mm²	25.4	492.816	1011

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	29.2	821.36	1469
260	37X0.5mm²	20.7	166.197	548
261	37X0.75mm²	22.1	253.253	674
262	37X1.0mm²	23.1	337.67	785
263	37X1.5mm²	25.4	506.505	1027
264	37X2.5mm²	29.2	844.176	1494
265	2X1.5mm²+1.0mm²E	10	36.50488934	138
266	2X2.5mm²+1.5mm²E	10.9	59.32044518	177
267	2X4mm²+2.5mm²E	12	95.89663314	233
268	2X6mm²+4.0mm²E	13.2	144.34404	305
269	2X10mm²+6.0mm²E	16	235.7132113	435
270	2X16mm²+10mm²E	18.7	381.4475742	633
271	2X25mm²+16mm²E	22.5	599.7995735	944
272	2X35mm²+16mm²E	25.2	780.7198014	1186
273	2X50mm²+25mm²E	29.8	1134.539163	1690
274	2X70mm²+35mm²E	34.4	1587.730966	2298
275	2X95mm²+50mm²E	38.9	2178.172597	3048
276	2X120mm²+70mm²E	43.4	2811.393394	3868
277	2X150mm²+70mm²E	47.9	3357.719009	4637
278	2X185mm²+95mm²E	53.2	4220.717409	5780
279	2X240mm²+120mm²E	59.6	5445.966231	7359
280	3X1.5mm²+1.0mm²E	10.8	50.19422285	166
281	3X2.5mm²+1.5mm²E	11.9	82.13600102	221
282	3X4mm²+2.5mm²E	13.1	132.4371718	291
283	3X6mm²+4.0mm²E	14.5	198.2457907	388
284	3X10mm²+6.0mm²E	17.7	326.6189416	563
285	3X16mm²+10mm²E	20.7	526.7184962	823
286	3X25mm²+16mm²E	25.1	827.0638992	1242
287	3X35mm²+16mm²E	28.3	1098.444241	1608
288	3X50mm²+25mm²E	33.6	1588.176582	2280
289	3X70mm²+35mm²E	38.5	2222.734229	3088
290	3X95mm²+50mm²E	43.6	3040.440185	4097
291	3X120mm²+70mm²E	48.7	3899.58846	5190
292	3X150mm²+70mm²E	53.6	4719.076882	6281
293	3X185mm²+95mm²E	59.6	5899.942318	7806
294	3X240mm²+120mm²E	66.6	7624.851814	9939
295	4X1.5mm²+1.0mm²E	11.6	63.88355635	198
296	4X2.5mm²+1.5mm²E	12.9	104.9515569	264
297	4X4mm²+2.5mm²E	14.3	168.9777104	358
298	4X6mm²+4.0mm²E	15.9	252.1475413	475
299	4X10mm²+6.0mm²E	19.6	417.5246719	701
300	4X16mm²+10mm²E	22.8	671.9894181	1020
301	4X25mm²+16mm²E	27.9	1054.328225	1555
302	4X35mm²+16mm²E	31.6	1416.168681	2033
303	4X50mm²+25mm²E	37.4	2041.814001	2879
304	4X70mm²+35mm²E	42.9	2857.737492	3901
305	4X95mm²+50mm²E	48.8	3902.707774	5199
306	4X120mm²+70mm²E	54.7	4987.783526	6597
307	4X150mm²+70mm²E	60.3	6080.434755	8024
308	4X185mm²+95mm²E	67	7579.167228	9943
309	4X240mm²+120mm²E	75	9803.737397	12697

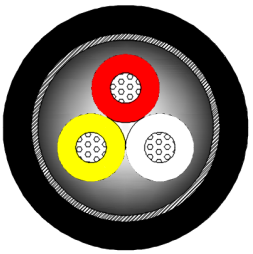
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/V-90/5V-90 GSWA

SAA 认证 PVC 绝缘 PVC 内外护套钢丝铠装安装动力电缆

SAA Certified PVC Insulated PVC Inner and Outer Sheathed Steel Wire Armoured Installation Power Cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

FNFLEX-JY-PVC
NYY-J NYY-O
N2XY
CU PVC PVC STA PVC
CU PVC PVC SWA PVC
CU XLPE PVC STA PVC
CU XLPE PVC SWA PVC
AWM 2570
AWM 2586
CU/PVC/PVC
AS/NZS 5000.1 CU/V-90/5V-90
AS/NZS 5000.1 CU/X-90/5V-90
AS/NZS 5000.1 CU/V-90/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, and can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties such as petrochemical, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
机械强度高，耐机械损伤；
抗拉伸性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High mechanical strength, resistance to mechanical damage;
Excellent tensile resistance.

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808；
5V-90 内护套，符合 AS/NZS 3808；
镀锌钢丝铠装；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
V-90 core insulation, conform to AS/NZS 3808;
5V-90 inner sheath, conform to AS/NZS 3808;
Galvanized steel wire armor;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black, other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：
　　固定安装：-15 至+ 90℃；
最小弯曲半径：12X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.1 requirements;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range:
　　Fixed installation: -15 to +90℃ ;
Minimum bending radius: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	10	4.492	169
2	1X0.75mm²	10.2	6.845	179
3	1X1.0mm²	10.3	9.126	184
4	1X1.5mm²	10.6	13.689	202
5	1X2.5mm²	11.1	22.816	225
6	1X4.0mm²	12	36.541	273
7	1X6.0mm²	12.6	53.902	310
8	1X10mm²	14	91.797	395
9	1X16mm²	15.2	146.695	495
10	1X25mm²	17.9	229.492	756
11	1X35mm²	19.4	320.839	910
12	1X50mm²	22.2	458.085	1257
13	1X70mm²	24.2	641.229	1554
14	1X95mm²	26.6	870.721	1916
15	1X120mm²	28.7	1098.864	2259
16	1X150mm²	31	1374.705	2691
17	1X185mm²	34.6	1695.688	3388
18	1X240mm²	38.6	2200.247	4230
19	2X0.5mm²	12.6	8.984	278
20	2X0.75mm²	13	13.689	297
21	2X1.0mm²	13.3	18.252	313
22	2X1.5mm²	13.9	27.379	349
23	2X2.5mm²	14.9	45.631	406
24	2X4.0mm²	17.6	73.081	623
25	2X6.0mm²	18.8	107.804	725
26	2X10mm²	22.4	183.594	1026
27	2X16mm²	24.7	293.39	1261
28	2X25mm²	29	458.985	1697
29	2X35mm²	32.3	641.679	2102
30	2X50mm²	37.9	916.17	2957
31	2X70mm²	42.6	1282.458	3703
32	2X95mm²	48.8	1741.442	4999
33	2X120mm²	53.2	2197.727	5936
34	2X150mm²	57.8	2749.409	6960
35	2X185mm²	63.2	3391.376	8243
36	2X240mm²	70	4400.494	10074
37	3X0.5mm²	13	13.475	297
38	3X0.75mm²	13.4	20.534	323
39	3X1.0mm²	13.7	27.379	341
40	3X1.5mm²	14.4	41.068	380
41	3X2.5mm²	16.4	68.447	548
42	3X4.0mm²	18.3	109.622	699
43	3X6.0mm²	19.6	161.705	821
44	3X10mm²	23.4	275.391	1188
45	3X16mm²	25.9	440.085	1485
46	3X25mm²	30.8	688.477	2061
47	3X35mm²	35.2	962.518	2785
48	3X50mm²	40.8	1374.255	3689
49	3X70mm²	46.3	1923.686	4945
50	3X95mm²	52.5	2612.164	6301
51	3X120mm²	56.3	3296.591	7348
52	3X150mm²	62.3	4124.114	8912

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	67.7	5087.064	10513
54	3X240mm²	76.5	6600.742	13765
55	4X0.5mm²	13.7	17.967	332
56	4X0.75mm²	14.1	27.379	361
57	4X1.0mm²	14.5	36.505	384
58	4X1.5mm²	15.2	54.757	433
59	4X2.5mm²	17.3	91.262	619
60	4X4.0mm²	19.5	146.162	795
61	4X6.0mm²	21	215.607	951
62	4X10mm²	25.1	367.188	1387
63	4X16mm²	28.7	586.781	1823
64	4X25mm²	34.4	917.97	2702
65	4X35mm²	39.1	1283.358	3450
66	4X50mm²	44.6	1832.339	4489
67	4X70mm²	51.2	2564.915	6110
68	4X95mm²	57.4	3482.885	7696
69	4X120mm²	62.3	4395.455	9174
70	4X150mm²	68.2	5498.818	10970
71	4X185mm²	75.7	6782.752	13832
72	4X240mm²	84.2	8800.989	17125
73	5X0.5mm²	14.4	22.459	365
74	5X0.75mm²	14.9	34.223	400
75	5X1.0mm²	15.3	45.631	430
76	5X1.5mm²	17	68.447	582
77	5X2.5mm²	18.4	114.078	706
78	5X4.0mm²	20.8	182.703	920
79	5X6.0mm²	23.1	269.509	1209
80	5X10mm²	27.8	458.985	1649
81	5X16mm²	31.5	733.476	2157
82	5X25mm²	38.2	1147.462	3267
83	5X35mm²	42.9	1604.197	4108
84	5X50mm²	50.3	2290.424	5789
85	5X70mm²	55.8	3206.144	7257
86	5X95mm²	63.1	4353.606	9285
87	5X120mm²	68.1	5494.318	10950
88	5X150mm²	76.2	6873.523	14037
89	5X185mm²	83.2	8478.439	16671
90	5X240mm²	92.3	11001.236	20540
91	6X0.5mm²	15.2	26.951	405
92	6X0.75mm²	16.7	41.068	547
93	6X1.0mm²	17.1	54.757	583
94	6X1.5mm²	18	82.136	657
95	6X2.5mm²	19.5	136.893	788
96	6X4.0mm²	22.9	219.243	1159
97	6X6.0mm²	24.7	323.411	1377
98	7X0.5mm²	15.2	31.443	410
99	7X0.75mm²	16.7	47.913	553
100	7X1.0mm²	17.1	63.884	591
101	7X1.5mm²	18	95.825	669
102	7X2.5mm²	19.5	159.709	807
103	7X4.0mm²	22.9	255.784	1189

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	24.7	377.312	1422
105	8X0.5mm²	17	35.935	547
106	8X0.75mm²	17.7	54.757	603
107	8X1.0mm²	18.2	73.01	644
108	8X1.5mm²	19.2	109.515	738
109	8X2.5mm²	20.8	182.524	898
110	8X4.0mm²	24.5	292.324	1308
111	8X6.0mm²	26.5	431.214	1560
112	9X0.5mm²	17.8	40.426	594
113	9X0.75mm²	18.5	61.602	654
114	9X1.0mm²	19.1	82.136	699
115	9X1.5mm²	20.2	123.204	801
116	9X2.5mm²	22.7	205.34	1087
117	9X4.0mm²	25.9	328.865	1427
118	9X6.0mm²	28.9	485.116	1778
119	10X0.5mm²	18.8	44.918	655
120	10X0.75mm²	19.6	68.447	721
121	10X1.0mm²	20.2	91.262	771
122	10X1.5mm²	22.1	136.893	986
123	10X2.5mm²	24.1	228.156	1204
124	10X4.0mm²	28.5	365.405	1647
125	10X6.0mm²	31.5	539.018	2030
126	11X0.5mm²	18.8	49.41	664
127	11X0.75mm²	19.6	75.291	733
128	11X1.0mm²	20.2	100.388	785
129	11X1.5mm²	22.1	150.583	1006
130	11X2.5mm²	24.1	250.971	1233
131	11X4.0mm²	28.5	401.946	1693
132	11X6.0mm²	31.1	592.919	2063
133	12X0.5mm²	19.2	53.902	693
134	12X0.75mm²	20	82.136	765
135	12X1.0mm²	20.6	109.515	820
136	12X1.5mm²	22.6	164.272	1054
137	12X2.5mm²	24.7	273.787	1294
138	12X4.0mm²	29.2	438.486	1778
139	12X6.0mm²	31.9	646.821	2171
140	13X0.5mm²	19.9	58.394	728
141	13X0.75mm²	20.7	88.981	805
142	13X1.0mm²	22.1	118.641	978
143	13X1.5mm²	23.4	177.961	1128
144	13X2.5mm²	25.6	296.602	1383
145	14X0.5mm²	19.9	62.885	737
146	14X0.75mm²	20.8	95.825	817
147	14X1.0mm²	22.1	127.767	993
148	14X1.5mm²	23.4	191.651	1147
149	14X2.5mm²	25.7	319.418	1413
150	15X0.5mm²	20.2	67.377	764
151	15X0.75mm²	21.1	102.67	847
152	15X1.0mm²	22.5	136.893	1033
153	15X1.5mm²	23.9	205.34	1178
154	15X2.5mm²	26.1	342.233	1472
155	16X0.5mm²	20.6	71.869	792

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	22.2	109.515	984
157	16X1.0mm²	22.9	146.02	1075
158	16X1.5mm²	24.3	219.029	1227
159	16X2.5mm²	27.5	365.049	1588
160	17X0.5mm²	22.1	76.361	946
161	17X0.75mm²	23.1	116.359	1051
162	17X1.0mm²	23.8	155.146	1129
163	17X1.5mm²	25.3	232.719	1306
164	17X2.5mm²	28.6	387.864	1685
165	18X0.5mm²	22.1	80.853	955
166	18X0.75mm²	23.1	123.204	1062
167	18X1.0mm²	23.8	164.272	1143
168	18X1.5mm²	25.3	246.408	1325
169	18X2.5mm²	28.6	410.68	1714
170	19X0.5mm²	22.1	85.344	964
171	19X0.75mm²	23.1	130.049	1074
172	19X1.0mm²	23.8	173.398	1157
173	19X1.5mm²	25.3	260.097	1344
174	19X2.5mm²	28.6	433.496	1743
175	20X0.5mm²	22.8	89.836	1009
176	20X0.75mm²	23.9	136.893	1124
177	20X1.0mm²	24.7	182.524	1228
178	20X1.5mm²	26.3	273.787	1424
179	20X2.5mm²	29.7	456.311	1842
180	21X0.5mm²	22.8	94.328	1018
181	21X0.75mm²	23.9	143.738	1136
182	21X1.0mm²	24.7	191.651	1242
183	21X1.5mm²	26.3	287.476	1443
184	21X2.5mm²	29.7	479.127	1871
185	22X0.5mm²	23.6	98.82	1081
186	22X0.75mm²	24.7	150.583	1204
187	22X1.0mm²	25.6	200.777	1315
188	22X1.5mm²	28.1	301.165	1579
189	22X2.5mm²	31.5	501.942	2010
190	23X0.5mm²	23.6	103.312	1090
191	23X0.75mm²	24.7	157.427	1215
192	23X1.0mm²	25.6	209.903	1329
193	23X1.5mm²	28.1	314.855	1598
194	23X2.5mm²	31.5	524.758	2039
195	24X0.5mm²	24.6	107.804	1159
196	24X0.75mm²	25.8	164.272	1290
197	24X1.0mm²	27.5	219.029	1462
198	24X1.5mm²	29.3	328.544	1691
199	24X2.5mm²	32.9	547.573	2169
200	25X0.5mm²	24.6	112.295	1168
201	25X0.75mm²	25.8	171.117	1302
202	25X1.0mm²	27.5	228.156	1476
203	25X1.5mm²	29.3	342.233	1710
204	25X2.5mm²	32.5	570.389	2166
205	26X0.5mm²	24.6	116.787	1177
206	26X0.75mm²	25.8	177.961	1314

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	27.5	237.282	1490
208	26X1.5mm²	29.3	355.923	1729
209	26X2.5mm²	32.9	593.204	2227
210	27X0.5mm²	25	121.279	1197
211	27X0.75mm²	26.2	184.806	1354
212	27X1.0mm²	27.9	246.408	1535
213	27X1.5mm²	29.8	369.612	1781
214	27X2.5mm²	34.3	616.02	2505
215	28X0.5mm²	25	125.771	1206
216	28X0.75mm²	26.2	191.651	1366
217	28X1.0mm²	27.9	255.534	1549
218	28X1.5mm²	29.8	383.301	1800
219	28X2.5mm²	34.3	638.836	2534
220	29X0.5mm²	25.7	130.263	1266
221	29X0.75mm²	27.7	198.495	1469
222	29X1.0mm²	28.7	264.66	1604
223	29X1.5mm²	31.2	396.991	1918
224	29X2.5mm²	35.8	661.651	2678
225	30X0.5mm²	25.7	134.754	1275
226	30X0.75mm²	27.7	205.34	1480
227	30X1.0mm²	28.7	273.787	1618
228	30X1.5mm²	30.8	410.68	1906
229	30X2.5mm²	35.2	684.467	2654
230	31X0.5mm²	26.4	139.246	1322
231	31X0.75mm²	28.5	212.185	1550
232	31X1.0mm²	29.5	282.913	1692
233	31X1.5mm²	31.7	424.369	1990
234	31X2.5mm²	36.7	707.282	2808
235	32X0.5mm²	26.4	143.738	1331
236	32X0.75mm²	28.5	219.029	1562
237	32X1.0mm²	29.5	292.039	1706
238	32X1.5mm²	32.1	438.059	2041
239	32X2.5mm²	37.3	730.098	2891
240	33X0.5mm²	26.4	148.23	1340
241	33X0.75mm²	28.5	225.874	1573
242	33X1.0mm²	29.5	301.165	1720
243	33X1.5mm²	32.1	451.748	2060
244	33X2.5mm²	37.3	752.913	2920
245	34X0.5mm²	28	152.722	1459
246	34X0.75mm²	29.4	232.719	1629
247	34X1.0mm²	30.9	310.292	1814
248	34X1.5mm²	33.1	465.437	2147
249	34X2.5mm²	38.4	775.729	3047
250	35X0.5mm²	28	157.213	1468
251	35X0.75mm²	29.4	239.563	1640
252	35X1.0mm²	30.9	319.418	1828
253	35X1.5mm²	33.1	479.127	2166
254	35X2.5mm²	38.4	798.544	3076
255	36X0.5mm²	28	161.705	1476
256	36X0.75mm²	29.4	246.408	1652
257	36X1.0mm²	30.9	328.544	1842
258	36X1.5mm²	33.1	492.816	2185

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	38.4	821.36	3105
260	37X0.5mm²	28	166.197	1485
261	37X0.75mm²	29.4	253.253	1663
262	37X1.0mm²	30.9	337.67	1856
263	37X1.5mm²	33.1	506.505	2204
264	37X2.5mm²	38.4	844.176	3134
265	2X1.5mm²+1.0mm²E	14.2	36.505	370
266	2X2.5mm²+1.5mm²E	15.1	59.32	429
267	2X4mm²+2.5mm²E	17.8	95.897	648
268	2X6mm²+4.0mm²E	19.2	144.344	780
269	2X10mm²+6.0mm²E	22.6	235.713	1094
270	2X16mm²+10mm²E	25.2	381.448	1390
271	2X25mm²+16mm²E	29.3	599.8	1863
272	2X35mm²+16mm²E	32.5	780.72	2262
273	2X50mm²+25mm²E	38.7	1134.539	3272
274	2X70mm²+35mm²E	43	1587.731	4081
275	2X95mm²+50mm²E	49.7	2178.173	5578
276	2X120mm²+70mm²E	53.3	2811.393	6538
277	2X150mm²+70mm²E	57.9	3357.719	7587
278	2X185mm²+95mm²E	64	4220.717	9233
279	2X240mm²+120mm²E	70.7	5445.966	11232
280	3X1.5mm²+1.0mm²E	15.1	50.194	423
281	3X2.5mm²+1.5mm²E	17	82.136	592
282	3X4mm²+2.5mm²E	19	132.437	753
283	3X6mm²+4.0mm²E	20.6	198.246	911
284	3X10mm²+6.0mm²E	24.2	326.619	1287
285	3X16mm²+10mm²E	27.8	526.718	1711
286	3X25mm²+16mm²E	32.4	827.064	2322
287	3X35mm²+16mm²E	37.1	1098.444	3095
288	3X50mm²+25mm²E	42.5	1588.177	4055
289	3X70mm²+35mm²E	48.2	2222.734	5445
290	3X95mm²+50mm²E	54.6	3040.44	6948
291	3X120mm²+70mm²E	58.8	3899.588	8257
292	3X150mm²+70mm²E	64.5	4719.077	9765
293	3X185mm²+95mm²E	70.5	5899.942	11685
294	3X240mm²+120mm²E	79.9	7624.852	15345
295	4X1.5mm²+1.0mm²E	16.9	63.884	572
296	4X2.5mm²+1.5mm²E	18.1	104.952	679
297	4X4mm²+2.5mm²E	20.4	168.978	882
298	4X6mm²+4.0mm²E	22.8	252.148	1164
299	4X10mm²+6.0mm²E	26.3	417.525	1516
300	4X16mm²+10mm²E	30.7	671.989	2054
301	4X25mm²+16mm²E	36.4	1054.328	2998
302	4X35mm²+16mm²E	41	1416.169	3771
303	4X50mm²+25mm²E	47.7	2041.814	5278
304	4X70mm²+35mm²E	53	2857.737	6614
305	4X95mm²+50mm²E	61.1	3902.708	8610
306	4X120mm²+70mm²E	65.8	4987.784	10199
307	4X150mm²+70mm²E	71.3	6080.435	11970
308	4X185mm²+95mm²E	80	7579.167	15333
309	4X240mm²+120mm²E	88.3	9803.737	18743

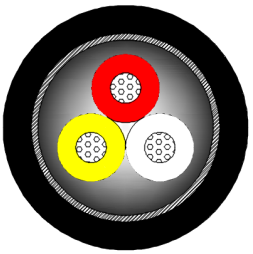
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/X-90/5V-90 GSWA

SAA 认证 XLPE 绝缘 PVC 内外护套钢丝铠装安装动力电缆

SAA Certified XLPE Insulated PVC Inner and Outer Sheathed Steel Wire Armoured Installation Power Cable



PVC 护套柔性动力电缆

PVC SHEATHED FLEXIBLE CONTROL CABLE

- FNFLEX-JY-PVC
- NYY-J NYY-O
- N2XY
- CU PVC PVC STA PVC
- CU PVC PVC SWA PVC
- CU XLPE PVC STA PVC
- CU XLPE PVC SWA PVC
- AWM 2570
- AWM 2586
- CU/PVC/PVC
- AS/NZS 5000.1 CU/V-90/5V-90
- AS/NZS 5000.1 CU/X-90/5V-90
- AS/NZS 5000.1 CU/V-90/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, and can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties such as petrochemical, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗拉伸性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low capacitance design;
High mechanical strength, resistance to mechanical damage;
Excellent tensile resistance.

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
X-90 芯线绝缘，符合 AS/NZS 3808；
5V-90 内护套，符合 AS/NZS 3808；
镀锌钢丝铠装；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
X-90 core insulation, conform to AS/NZS 3808;
5V-90 inner sheath, conform to AS/NZS 3808;
Galvanized steel wire armor;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：12X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.1 requirements;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range: Fixed installation: -15 to +90℃ ;
Minimum bending radius: 12X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	9.8	4	160
2	1X0.75mm²	10.0	7	169
3	1X1.0mm²	10.1	9	178
4	1X1.5mm²	10.4	14	192
5	1X2.5mm²	10.9	23	217
6	1X4.0mm²	11.4	37	247
7	1X6.0mm²	12.0	54	283
8	1X10mm²	13.4	92	365
9	1X16mm²	14.6	147	457
10	1X25mm²	17.4	229	706
11	1X35mm²	18.8	321	863
12	1X50mm²	20.7	458	1081
13	1X70mm²	23.6	641	1469
14	1X95mm²	25.6	871	1802
15	1X120mm²	27.9	1099	2162
16	1X150mm²	30.2	1375	2565
17	1X185mm²	33.0	1696	3068
18	1X240mm²	37.5	2200	4026
19	2X0.5mm²	12.2	9	257
20	2X0.75mm²	12.6	14	278
21	2X1.0mm²	12.9	18	294
22	2X1.5mm²	13.5	27	325
23	2X2.5mm²	14.5	46	384
24	2X4.0mm²	16.4	73	545
25	2X6.0mm²	17.6	108	642
26	2X10mm²	20.6	184	833
27	2X16mm²	23.5	293	1167
28	2X25mm²	28.2	459	1609
29	2X35mm²	31.5	642	2010
30	2X50mm²	36.4	916	2756
31	2X70mm²	41.8	1282	3591
32	2X95mm²	47.2	1741	4758
33	2X120mm²	52.0	2198	5708
34	2X150mm²	56.6	2749	6704
35	2X185mm²	62.0	3391	7958
36	2X240mm²	68.2	4400	9647
37	3X0.5mm²	12.6	13	277
38	3X0.75mm²	13.0	21	297
39	3X1.0mm²	13.3	27	315
40	3X1.5mm²	14.0	41	356
41	3X2.5mm²	15.0	68	425
42	3X4.0mm²	17.0	110	602
43	3X6.0mm²	18.3	162	728
44	3X10mm²	22.2	275	1074
45	3X16mm²	24.6	440	1373
46	3X25mm²	30.1	688	1965
47	3X35mm²	33.5	963	2461
48	3X50mm²	39.6	1374	3481
49	3X70mm²	44.0	1924	4385
50	3X95mm²	50.3	2612	5903
51	3X120mm²	54.8	3297	7029
52	3X150mm²	60.2	4124	8422

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	65.9	5087	10069
54	3X240mm²	72.8	6601	12327
55	4X0.5mm²	13.2	18	303
56	4X0.75mm²	13.7	27	332
57	4X1.0mm²	14.0	37	353
58	4X1.5mm²	14.7	55	401
59	4X2.5mm²	16.8	91	581
60	4X4.0mm²	18.1	146	695
61	4X6.0mm²	19.5	216	833
62	4X10mm²	23.8	367	1256
63	4X16mm²	26.8	587	1644
64	4X25mm²	32.4	918	2338
65	4X35mm²	37.6	1283	3243
66	4X50mm²	42.7	1832	4193
67	4X70mm²	49.7	2565	5846
68	4X95mm²	54.9	3483	7219
69	4X120mm²	59.9	4395	8653
70	4X150mm²	66.3	5499	10482
71	4X185mm²	72.4	6783	12494
72	4X240mm²	81.5	8801	16277
73	5X0.5mm²	13.8	22	333
74	5X0.75mm²	14.4	34	365
75	5X1.0mm²	14.8	46	394
76	5X1.5mm²	16.5	68	542
77	5X2.5mm²	17.9	114	652
78	5X4.0mm²	19.2	183	795
79	5X6.0mm²	20.8	270	967
80	5X10mm²	25.9	459	1470
81	5X16mm²	29.9	733	1981
82	5X25mm²	36.4	1147	3009
83	5X35mm²	41.3	1604	3863
84	5X50mm²	48.2	2290	5435
85	5X70mm²	54.2	3206	6940
86	5X95mm²	60.0	4354	8627
87	5X120mm²	65.9	5494	10441
88	5X150mm²	72.8	6874	12601
89	5X185mm²	81.1	8478	15958
90	5X240mm²	89.3	11001	19535
91	6X0.5mm²	14.6	27	368
92	6X0.75mm²	15.2	41	405
93	6X1.0mm²	16.5	55	531
94	6X1.5mm²	17.4	82	602
95	6X2.5mm²	18.9	137	737
96	6X4.0mm²	20.4	219	900
97	6X6.0mm²	22.9	323	1215
98	7X0.5mm²	14.6	31	371
99	7X0.75mm²	15.2	48	410
100	7X1.0mm²	16.5	64	537
101	7X1.5mm²	17.4	96	611
102	7X2.5mm²	18.9	160	753
103	7X4.0mm²	20.4	256	927

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	22.9	377	1256
105	8X0.5mm²	16.4	36	503
106	8X0.75mm²	17.0	55	547
107	8X1.0mm²	17.5	73	596
108	8X1.5mm²	18.5	110	676
109	8X2.5mm²	20.2	183	830
110	8X4.0mm²	22.5	292	1129
111	8X6.0mm²	24.5	431	1384
112	9X0.5mm²	17.1	40	545
113	9X0.75mm²	17.8	62	594
114	9X1.0mm²	18.4	82	647
115	9X1.5mm²	19.4	123	734
116	9X2.5mm²	21.2	205	912
117	9X4.0mm²	23.8	329	1233
118	9X6.0mm²	26.3	485	1538
119	10X0.5mm²	18.0	45	593
120	10X0.75mm²	18.8	68	656
121	10X1.0mm²	19.4	91	703
122	10X1.5mm²	20.6	137	809
123	10X2.5mm²	23.3	228	1110
124	10X4.0mm²	25.7	365	1389
125	10X6.0mm²	29.1	539	1777
126	11X0.5mm²	18.0	49	599
127	11X0.75mm²	18.8	75	664
128	11X1.0mm²	19.4	100	714
129	11X1.5mm²	20.6	151	825
130	11X2.5mm²	23.3	251	1135
131	11X4.0mm²	25.7	402	1427
132	11X6.0mm²	28.7	593	1803
133	12X0.5mm²	18.4	54	624
134	12X0.75mm²	19.2	82	693
135	12X1.0mm²	19.8	110	745
136	12X1.5mm²	21.1	164	862
137	12X2.5mm²	23.8	274	1191
138	12X4.0mm²	26.3	438	1500
139	12X6.0mm²	29.4	647	1899
140	13X0.5mm²	19.0	58	655
141	13X0.75mm²	19.9	89	728
142	13X1.0mm²	20.5	119	794
143	13X1.5mm²	22.5	178	1030
144	13X2.5mm²	24.7	297	1274
145	14X0.5mm²	19.0	63	662
146	14X0.75mm²	19.9	96	737
147	14X1.0mm²	20.5	128	806
148	14X1.5mm²	22.6	192	1046
149	14X2.5mm²	24.8	319	1300
150	15X0.5mm²	19.3	67	685
151	15X0.75mm²	20.2	103	764
152	15X1.0mm²	20.9	137	836
153	15X1.5mm²	22.9	205	1088
154	15X2.5mm²	25.2	342	1354
155	16X0.5mm²	19.6	72	710

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	20.6	110	793
157	16X1.0mm²	21.3	146	867
158	16X1.5mm²	23.4	219	1116
159	16X2.5mm²	26.2	365	1436
160	17X0.5mm²	20.4	76	744
161	17X0.75mm²	22.1	116	946
162	17X1.0mm²	22.8	155	1021
163	17X1.5mm²	24.3	233	1190
164	17X2.5mm²	27.6	388	1553
165	18X0.5mm²	20.4	81	751
166	18X0.75mm²	22.1	123	955
167	18X1.0mm²	22.8	164	1032
168	18X1.5mm²	24.3	246	1205
169	18X2.5mm²	27.6	411	1578
170	19X0.5mm²	20.4	85	757
171	19X0.75mm²	22.1	130	964
172	19X1.0mm²	22.8	173	1043
173	19X1.5mm²	24.3	260	1221
174	19X2.5mm²	27.6	433	1603
175	20X0.5mm²	21.1	90	802
176	20X0.75mm²	22.8	137	1010
177	20X1.0mm²	23.6	183	1109
178	20X1.5mm²	25.2	274	1296
179	20X2.5mm²	28.7	456	1696
180	21X0.5mm²	21.1	94	809
181	21X0.75mm²	22.8	144	1019
182	21X1.0mm²	23.6	192	1121
183	21X1.5mm²	25.2	287	1311
184	21X2.5mm²	28.7	479	1721
185	22X0.5mm²	22.5	99	965
186	22X0.75mm²	23.6	151	1081
187	22X1.0mm²	24.5	201	1171
188	22X1.5mm²	26.5	301	1413
189	22X2.5mm²	30.3	502	1851
190	23X0.5mm²	22.5	103	972
191	23X0.75mm²	23.6	157	1090
192	23X1.0mm²	24.5	210	1182
193	23X1.5mm²	26.5	315	1429
194	23X2.5mm²	30.3	525	1876
195	24X0.5mm²	23.4	108	1019
196	24X0.75mm²	24.6	164	1159
197	24X1.0mm²	25.9	219	1282
198	24X1.5mm²	28.1	329	1541
199	24X2.5mm²	31.7	548	1998
200	25X0.5mm²	23.4	112	1025
201	25X0.75mm²	24.6	171	1168
202	25X1.0mm²	25.9	228	1293
203	25X1.5mm²	28.1	342	1557
204	25X2.5mm²	31.3	570	1992
205	26X0.5mm²	23.4	117	1032
206	26X0.75mm²	24.6	178	1177

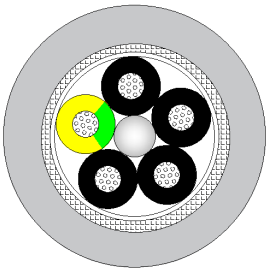
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	25.9	237	1304
208	26X1.5mm²	28.1	356	1572
209	26X2.5mm²	31.7	593	2048
210	27X0.5mm²	23.8	121	1064
211	27X0.75mm²	25.0	185	1197
212	27X1.0mm²	26.3	246	1344
213	27X1.5mm²	28.6	370	1620
214	27X2.5mm²	32.2	616	2109
215	28X0.5mm²	23.8	126	1071
216	28X0.75mm²	25.0	192	1206
217	28X1.0mm²	26.3	256	1355
218	28X1.5mm²	28.6	383	1636
219	28X2.5mm²	32.2	639	2134
220	29X0.5mm²	24.4	130	1111
221	29X0.75mm²	26.1	198	1292
222	29X1.0mm²	27.0	265	1420
223	29X1.5mm²	29.9	397	1746
224	29X2.5mm²	33.7	662	2275
225	30X0.5mm²	24.4	135	1117
226	30X0.75mm²	26.1	205	1301
227	30X1.0mm²	27.0	274	1432
228	30X1.5mm²	29.5	411	1733
229	30X2.5mm²	33.1	684	2251
230	31X0.5mm²	25.0	139	1175
231	31X0.75mm²	26.8	212	1349
232	31X1.0mm²	28.2	283	1511
233	31X1.5mm²	30.4	424	1794
234	31X2.5mm²	35.0	707	2551
235	32X0.5mm²	25.0	144	1182
236	32X0.75mm²	26.8	219	1358
237	32X1.0mm²	28.2	292	1522
238	32X1.5mm²	30.8	438	1840
239	32X2.5mm²	35.6	730	2628
240	33X0.5mm²	25.0	148	1188
241	33X0.75mm²	26.8	226	1367
242	33X1.0mm²	28.2	301	1533
243	33X1.5mm²	30.8	452	1856
244	33X2.5mm²	35.6	753	2653
245	34X0.5mm²	26.2	153	1257
246	34X0.75mm²	28.0	233	1459
247	34X1.0mm²	29.5	310	1636
248	34X1.5mm²	31.7	465	1937
249	34X2.5mm²	36.6	776	2746
250	35X0.5mm²	26.2	157	1264
251	35X0.75mm²	28.0	240	1468
252	35X1.0mm²	29.5	319	1647
253	35X1.5mm²	31.7	479	1952
254	35X2.5mm²	36.6	799	2771
255	36X0.5mm²	26.2	162	1270
256	36X0.75mm²	28.0	246	1477
257	36X1.0mm²	29.5	329	1659
258	36X1.5mm²	31.7	493	1968

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	36.6	821	2796
260	37X0.5mm²	26.2	166	1276
261	37X0.75mm²	28.0	253	1486
262	37X1.0mm²	29.5	338	1670
263	37X1.5mm²	31.7	507	1984
264	37X2.5mm²	36.6	844	2821
265	2X1.5mm²+1.0mm²E	13.8	37	342
267	2X2.5mm²+1.5mm²E	14.7	59	403
269	2X4mm²+2.5mm²E	16.7	96	580
271	2X6mm²+4.0mm²E	17.9	144	689
273	2X10mm²+6.0mm²E	20.7	236	890
275	2X16mm²+10mm²E	23.9	381	1266
277	2X25mm²+16mm²E	28.2	600	1745
279	2X35mm²+16mm²E	31.5	781	2148
281	2X50mm²+25mm²E	37.1	1135	3046
283	2X70mm²+35mm²E	41.7	1588	3873
285	2X95mm²+50mm²E	47.2	2178	5168
287	2X120mm²+70mm²E	51.7	2811	6224
289	2X150mm²+70mm²E	56.2	3358	7233
291	2X185mm²+95mm²E	62.3	4221	8824
293	2X240mm²+120mm²E	68.5	5446	10720
295	3X1.5mm²+1.0mm²E	14.6	50	388
297	3X2.5mm²+1.5mm²E	16.6	82	568
299	3X4mm²+2.5mm²E	17.8	132	664
301	3X6mm²+4.0mm²E	19.2	198	810
303	3X10mm²+6.0mm²E	23.0	327	1180
305	3X16mm²+10mm²E	26.4	527	1565
307	3X25mm²+16mm²E	31.2	827	2173
309	3X35mm²+16mm²E	35.2	1098	2869
311	3X50mm²+25mm²E	40.7	1588	3779
313	3X70mm²+35mm²E	46.7	2223	5154
315	3X95mm²+50mm²E	52.3	3040	6546
317	3X120mm²+70mm²E	56.9	3900	7820
319	3X150mm²+70mm²E	62.7	4719	9330
321	3X185mm²+95mm²E	68.5	5900	11167
323	3X240mm²+120mm²E	77.0	7625	14503
325	4X1.5mm²+1.0mm²E	16.3	64	533
327	4X2.5mm²+1.5mm²E	17.6	105	636
329	4X4mm²+2.5mm²E	19.0	169	768
331	4X6mm²+4.0mm²E	20.5	252	930
333	4X10mm²+6.0mm²E	24.8	418	1372
335	4X16mm²+10mm²E	29.1	672	1883
337	4X25mm²+16mm²E	35.0	1054	2803
339	4X35mm²+16mm²E	39.1	1416	3501
341	4X50mm²+25mm²E	44.7	2042	4584
343	4X70mm²+35mm²E	51.4	2858	6276
345	4X95mm²+50mm²E	58.5	3903	8078
347	4X120mm²+70mm²E	63.7	4988	9682
349	4X150mm²+70mm²E	69.2	6080	11391
351	4X185mm²+95mm²E	77.4	7579	14510
353	4X240mm²+120mm²E	85.5	9804	17877

FNFLEX-JCY-PVC

CE 认证 PVC 护套柔性屏蔽动力电缆

CE certified PVC sheathed flexible shielded power cable



PVC 护套柔性屏蔽动力电缆
PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility. The overall tinned copper wire shield is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
电磁兼容 EMC 场合；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
EMC occasions;
Good peeling property;
Occasional movement.

技术认证

CE 认证，TUV 认证；
符合 IEC60502；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to IEC60502;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：−40 至+ 70℃；
移动安装：−5 至+ 70℃；
最小弯曲半径：
固定安装：6X 电缆直径，
偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance:
conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: − 40 to+70 ℃ ;
Moved installation: − 5 to+70 ℃ ;
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	13.0	103	234
2	3G4.0mm²	13.5	142	303
3	4G4.0mm²	14.7	183	374
4	5G4.0mm²	16.3	224	456
5	2X6.0mm²	14.4	144	307
6	3G6.0mm²	15.3	202	399
7	4G6.0mm²	16.9	261	506
8	5G6.0mm²	18.7	320	618
9	2X10mm²	16.6	224	430
10	3G10mm²	17.8	319	578
11	4G10mm²	19.7	432	753
12	5G10mm²	22.0	531	930
13	2X16mm²	19.3	357	626
14	3G16mm²	20.6	508	835
15	4G16mm²	23.0	663	1079
16	5G16mm²	25.6	818	1333
17	2X25mm²	23.7	536	938
18	3G25mm²	25.3	772	1260
19	4G25mm²	28.1	1011	1627
20	5G25mm²	31.3	1252	2007
21	2X35mm²	26.9	730	1231
22	3G35mm²	28.7	1058	1667
23	4G35mm²	31.9	1390	2156
24	5G35mm²	35.8	1723	2695
25	2X50mm²	31.8	1021	1713
26	3G50mm²	33.9	1487	2329

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1958	3048
28	5G50mm²	42.1	2467	3791
29	2X70mm²	35.9	1402	2253
30	3G70mm²	38.6	2054	3126
31	4G70mm²	43.2	2746	4123
32	5G70mm²	47.9	3409	5076
33	2X95mm²	41.5	1914	3040
34	3G95mm²	44.6	2799	4215
35	4G95mm²	49.4	3691	5450
36	5G95mm²	54.8	4587	6717
37	2X120mm²	45.3	2390	3703
38	3G120mm²	48.8	3504	5154
39	4G120mm²	54.0	4628	6674
40	5G120mm²	59.8	5819	8296
41	2X150mm²	50.2	2961	4545
42	3G150mm²	54.0	4352	6346
43	4G150mm²	59.8	5817	8293
44	5G150mm²	66.5	7229	10259
45	2X185mm²	55.2	3622	5510
46	3G185mm²	59.4	5398	7779
47	4G185mm²	66.0	7128	10119
48	5G185mm²	73.3	8864	12518
49	2X240mm²	62.4	4722	7115
50	3G240mm²	66.7	6943	9888
51	4G240mm²	74.0	9179	12876
52	5G240mm²	82.0	11420	15894

动力电缆 POWER CABLE

03

PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

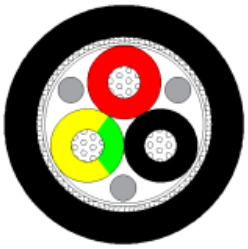
- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



NYCY

CE 认证 PVC 护套安装屏蔽动力电缆

CE certified economical PVC sheathed flexible shield power control cable



应用范围

这些动力电缆是专用于电缆管道，发电站，工业和配电板，以及用户网络的能源供应。也可用于在砖墙，混凝土中，可安装在露天，敷设于地下，水中和室内防止机械损伤的区域。此电缆抗紫外线，可户外使用。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

These power cables are specifically used for energy supply in cable ducts, power stations, industrial and distribution boards, as well as user networks. They can also be used in brick walls, concrete, installed outdoors, laid underground, underwater, and in indoor areas where mechanical damage needs to be prevented. The cables are UV-resistant and suitable for outdoor use. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2；
额定电流符合 HD603/VDE0276-603；
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
Rated current conform to HD 603/VDE 0276-603;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

CE 认证，TUV 认证；
符合 VDE0276, IEC60502；
RoHS，REACH。

Technical certification

CE certified,TUV certification;
conform to VDE 0276, IEC 60502;
RoHS, REACH.

电缆结构

多股裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
PVC 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
PVC 外护套；
外护套黑色，其他颜色可选。

Cable structure

Stranded bare copper, conform to IEC 60228 (Class 2 or Class 5);
PVC core insulation;
Copper wire braided shield with a density of over 80%;
PVC outer sheath;
Outer sheath is black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：
　　固定安装：-15 至+ 70℃；
最小弯曲半径：
　　2 类导体：15X 电缆直径；
　　5 类导体：10X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range:
　　Fixed installation: -15 to +70℃ ;
Minimum bending radius:
　　Class 2 conductors: 15× cable diameter;
　　Class 5 conductors: 10× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	13.0	103	234
2	3G4.0mm²	13.5	142	303
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19	4G25mm²	28.1	1011	1627
20	5G25mm²	31.3	1252	2007
21	2X35mm²	26.9	730	1231
22	3G35mm²	28.7	1058	1667
23	4G35mm²	31.9	1390	2156
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26	3G50mm²	33.9	1487	2329

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1958	3048
28	5G50mm²	42.1	2467	3791
29	2X70mm²	35.9	1402	2253
30	3G70mm²	38.6	2054	3126
31	4G70mm²	43.2	2746	4123
32	5G70mm²	47.9	3409	5076
33	2X95mm²	41.5	1914	3040
34	3G95mm²	44.6	2799	4215
35	4G95mm²	49.4	3691	5450
36	5G95mm²	54.8	4587	6717
37	2X120mm²	45.3	2390	3703
38	3G120mm²	48.8	3504	5154
39	4G120mm²	54.0	4628	6674
40	5G120mm²	59.8	5819	8296
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42	3G150mm²	54.0	4352	6346
43	4G150mm²	59.8	5817	8293
44	5G150mm²	66.5	7229	10259
45	2X185mm²	55.2	3622	5510
46	3G185mm²	59.4	5398	7779
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50	3G240mm²	66.7	6943	9888
51	4G240mm²	74.0	9179	12876
52	5G240mm²	82.0	11420	15894

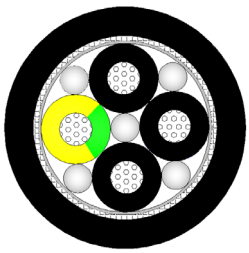
动力电缆 POWER CABLE

03

VFD-HRJMCE-S

CE 认证 双屏蔽变频电机专用电缆

CE certified double shield variable frequency motor special cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业设备变频机与电机之间的相互连接，铝箔 + 镀锡铜丝双层屏蔽提高抗电磁干扰能力，用于极大的动力驱动系统。

Scope of application

These power cables are mainly used for the interconnection between frequency converters and motors of industrial equipment,; Aluminum foil+tinned copper wire double-layer shield improve the anti electromagnetic interference ability, and is used for great power drive system.

产品特性

低电容设计；
阻燃性符合 IEC60332-1-2；
抗电磁干扰；
良好的剥离性；
偶尔移动。

Product characteristics

Low capacitance design;
Flame retardancy conform to IEC60332-1-2;
Anti electromagnetic interference;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0207/0250/0295；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0207/0250/0295;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PE 芯线绝缘；
芯线同心绞合（若有 3 根接地芯线，则均衡放置）；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PE core wire insulation;
Concentric stranding of core wires (if there are 3 grounding cores, they shall be placed evenly);
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: conform to DIN VDE0293-308;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 4000V;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5mm²	10.5	87	230
2	4G2.5mm²	11.8	133	300
3	4G4mm²	13.3	213	485
4	4G6mm²	14.9	298	630
5	4G10mm²	17.7	460	860
6	4G16mm²	21.5	707	1290
7	4G25mm²	26.3	1100	1860
8	4G35mm²	29.7	1542	2610
9	4G50mm²	34.1	2206	2950
10	4G70mm²	40.9	3002	3950
11	4G95mm²	45.4	4004	5300
12	4G120mm²	49.8	5108	6600
13	4G150mm²	56.1	6225	7043
14	4G185mm²	61.4	7568	8384

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
15	4G240mm²	67.9	9940	12150
16	3X1.5mm²+3G0.25mm²	11.4	88	140
17	3X2.5mm²+3G0.5mm²	12.9	130	220
18	3X4mm²+3G0.75mm²	13.6	224	323
19	3X6mm²+3G1.0mm²	15.2	276	420
20	3X10mm²+3G1.5mm²	17.4	511	615
21	3X16mm²+3G2.5mm²	20.0	751	819
22	3X25mm²+3G4mm²	24.3	1204	1325
23	3X35mm²+3G6mm²	27.5	1535	1718
24	3X50mm²+3G10mm²	31.1	2156	2399
25	3X70mm²+3G10mm²	37.1	2980	3056
26	3X95mm²+3G16mm²	40.0	3953	4162
27	3X120mm²+3G16mm²	42.6	4836	5074
28	3X150mm²+3G25mm²	50.0	5412	6128
29	3X185mm²+3G35mm²	55.6	7077	7820

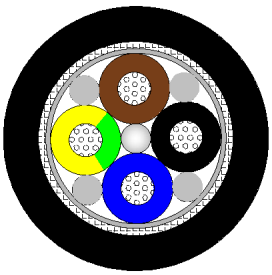
动力电缆 POWER CABLE

03

N2XCY

CE 认证 XLPE 绝缘 PVC 护套屏蔽安装动力电缆

CE certified XLPE insulated, PVC sheathed shielded installation power cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

这些动力电缆是专用于电缆管道，发电站，工业和配电板，以及用户网络的能源供应。也可用于在砖墙，混凝土中，可安装在露天，敷设于地下，水中和室内防止机械损伤的区域。此电缆抗紫外线，可户外使用。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

These power cables are specifically used for energy supply in cable ducts, power stations, industrial and distribution boards, as well as user networks. They can also be used in brick walls, concrete, installed outdoors, laid underground, underwater, and in indoor areas where mechanical damage needs to be prevented. The cables are UV-resistant and suitable for outdoor use. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2;
额定电流符合 HD603/VDE0276-603;
XLPE 热固性绝缘，低电容设计;
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
Rated current conform to HD 603/VDE 0276-603;
XLPE thermosetting insulation with low-capacitance design;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

CE 认证，TUV 认证;
符合 VDE0276, IEC60502;
RoHS，REACH。

Technical certification

CE certified,TUV certification;
conform to VDE 0276, IEC 60502;
RoHS, REACH.

电缆结构

多股裸铜丝，符合 IEC60228 标准(2 类或 5 类);
XLPE 芯线绝缘;
铜丝编织屏蔽，密度 80% 以上;
PVC 外护套;
外护套黑色，其他颜色可选。

Cable structure

Stranded bare copper, conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
Copper wire braided shield with a density of over 80%;
PVC outer sheath;
Outer sheath is black; other colors are available upon request;

技术参数

芯线标识：根据 DIN VDE0293-308;
导体电阻：符合 IEC60228 标准要求;
额定电压：0.6/1KV;
测试电压：4000V;
温度范围：固定安装：-15 至+ 70℃;
最小弯曲半径:
2 类导体：15X 电缆直径;
5 类导体：10X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -15 to +70℃;
Minimum bending radius:
Class 2 conductors: 15× cable diameter;
Class 5 conductors: 10× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X1.5mm²	10.2	46	166
2	3G1.5mm²	10.7	61	191
3	4G1.5mm²	11.4	78	225
4	5G1.5mm²	12.3	94	263
5	6G1.5mm²	13.2	110	305
6	7G1.5mm²	13.2	124	316
7	8G1.5mm²	14.1	141	320
8	10G1.5mm²	16.2	175	401
9	12G1.5mm²	16.7	204	450
10	19G1.5mm²	19.2	308	638
11	25G1.5mm²	22.6	418	857
12	30G1.5mm²	23.8	492	986
13	37G1.5mm²	26.0	596	1193
14	2X2.5mm²	11.2	68	210
15	3G2.5mm²	11.8	92	246
16	4G2.5mm²	12.6	118	294
17	5G2.5mm²	13.7	144	348
18	6G2.5mm²	14.7	170	406
19	7G2.5mm²	14.7	193	425
20	8G2.5mm²	15.8	219	429
21	10G2.5mm²	18.2	273	538
22	12G2.5mm²	18.7	320	610
23	19G2.5mm²	21.7	508	901
24	25G2.5mm²	25.6	660	1183
25	30G2.5mm²	27.0	781	1373
26	37G2.5mm²	29.9	951	1695
27	2X4.0mm²	12.6	100	231
28	3G4.0mm²	12.8	138	287
29	4G4.0mm²	13.9	179	352
30	5G4.0mm²	15.1	219	419
31	2X6.0mm²	13.8	140	297
32	3G6.0mm²	14.6	198	381
33	4G6.0mm²	15.9	256	473
34	5G6.0mm²	17.3	316	568
35	2X10mm²	15.8	220	411
36	3G10mm²	16.8	315	542
37	4G10mm²	18.3	411	681
38	5G10mm²	20.0	525	841

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
39	2X16mm²	18.1	11703	11938
40	3G16mm²	19.3	503	784
41	4G16mm²	21.5	657	1014
42	5G16mm²	23.6	812	1230
43	2X25mm²	22.1	532	869
44	3G25mm²	23.6	767	1175
45	4G25mm²	25.9	1005	1497
46	5G25mm²	29.3	1245	1882
47	2X35mm²	25.3	725	1154
48	3G35mm²	27.0	1053	1572
49	4G35mm²	30.0	1384	2039
50	5G35mm²	33.4	1717	2520
51	2X50mm²	29.4	1014	1574
52	3G50mm²	31.3	1480	2161
53	4G50mm²	35.2	1951	2841
54	5G50mm²	38.7	2422	3472
55	2X70mm²	33.9	1398	2119
56	3G70mm²	36.5	2048	2964
57	4G70mm²	40.2	2739	3846
58	5G70mm²	44.7	3401	4754
59	2X95mm²	38.3	1905	2797
60	3G95mm²	40.9	2788	3880
61	4G95mm²	45.8	3679	5093
62	5G95mm²	50.5	4573	6246
63	2X120mm²	42.5	2382	3465
64	3G120mm²	45.8	3496	4867
65	4G120mm²	50.4	4618	6282
66	5G120mm²	57.3	5744	7936
67	2X150mm²	47.4	2953	4282
68	3G150mm²	50.7	4343	5980
69	4G150mm²	57.5	5743	7958
70	5G150mm²	63.3	7216	9838
71	2X185mm²	53.2	3614	5323
72	3G185mm²	57.3	5325	7476
73	4G185mm²	63.1	7117	9728
74	5G185mm²	70.0	8850	12020
75	2X240mm²	59.4	4709	6779
76	3G240mm²	63.1	6929	9417
77	4G240mm²	70.4	9164	12340
78	5G240mm²	78.3	11404	15297

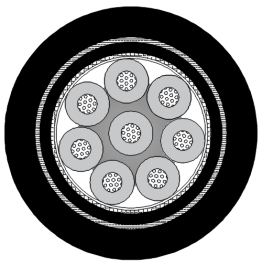
动力电缆 POWER CABLE

03

CU/PVC/OS/PVC/STA/PVC

CE 认证 PVC 绝缘 PVC 内外护套屏蔽钢带铠装安装动力电缆

CE certified PVC insulated, PVC inner and outer sheathed, shielded, steel tape armoured installation power cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

产品特性

阻燃性符合 IEC60332-1-2；
机械强度高，耐机械损伤；
抗挤压性能优异；
高屏蔽效能，抗电磁干扰。

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
PVC 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
PVC 内护套；
镀锌钢带铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-15 至+ 70℃；
最小弯曲半径：
单芯线：15X 电缆直径；
多芯线：12X 电缆直径。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High mechanical strength and resistance to mechanical damage;
Excellent crush resistance;
High shielding efficiency and resistance to electromagnetic interference.

Technical certification

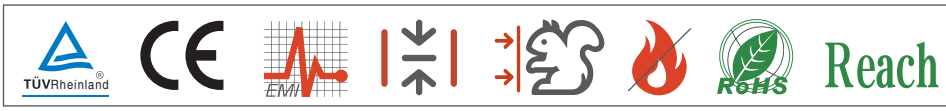
TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

Cable structure

Bare copper,conform to IEC 60228 (Class 2 or Class 5);
PVC core insulation;
Copper wire braided shield with a density of over 80%;
PVC inner sheath;
Galvanized steel tape armoring;
PVC outer sheath;
Outer sheath is generally black; other colors are available upon request.

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -15 to +70℃;
Minimum bending radius:
Single-core cable: 15× cable diameter;
Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	11.1	22.1	223
2	1X2.5mm²	11.6	32.5	250
3	1X4.0mm²	12.5	48.4	301
4	1X6.0mm²	13.1	70.1	343
5	1X10mm²	14.5	112.0	432
6	1X16mm²	16.6	170.3	624
7	1X25mm²	18.4	258.4	804
8	1X35mm²	19.9	354.2	963
9	1X50mm²	22.7	497.4	1323
10	1X70mm²	24.7	686.2	1627
11	1X95mm²	27.7	940.5	2043
12	1X120mm²	29.8	1175.4	2411
13	1X150mm²	32.1	1460.4	2840
14	1X185mm²	35.7	1790.5	3560
15	1X240mm²	39.7	2307.7	4420
16	2X1.5mm²	14.4	47.4	375
17	2X2.5mm²	15.4	68.6	431
18	2X4.0mm²	18.1	101.4	646
19	2X6.0mm²	19.3	139.7	743
20	2X10mm²	22.9	223.8	1090
21	2X16mm²	25.4	356.5	1351
22	2X25mm²	29.9	537.1	1817
23	2X35mm²	34.2	731.7	2464
24	2X50mm²	39.0	1022.0	3139
25	2X70mm²	44.0	1435.5	3970
26	2X95mm²	50.6	1918.3	5371
27	2X120mm²	54.6	2391.4	6247
28	2X150mm²	59.2	2965.8	7338
29	2X185mm²	64.6	3630.6	8651
30	2X240mm²	71.4	4739.8	10550
31	3X1.5mm²	14.9	62.6	410
32	3X2.5mm²	16.9	93.1	580
33	3X4.0mm²	18.8	140.1	730
34	3X6.0mm²	20.1	196.0	849
35	3X10mm²	23.9	318.7	1239
36	3X16mm²	26.6	507.9	1595
37	3X25mm²	31.5	772.4	2173
38	3X35mm²	35.9	1059.3	2920
39	3X50mm²	41.5	1489.3	3844
40	3X70mm²	47.3	2088.2	5170
41	3X95mm²	53.5	2802.3	6554
42	3X120mm²	57.5	3504.8	7689
43	3X150mm²	63.3	4356.9	9211
44	3X185mm²	68.7	5409.4	10902
45	3X240mm²	77.5	6965.7	14222
46	4X1.5mm²	16.6	78.7	554
47	4X2.5mm²	17.8	118.8	653
48	4X4.0mm²	20.0	180.2	837
49	4X6.0mm²	22.2	253.9	1085
50	4X10mm²	25.8	431.9	1479
51	4X16mm²	29.4	662.5	1926
52	4X25mm²	35.1	1011.7	2833
53	4X35mm²	39.8	1391.4	3598
54	4X50mm²	46.6	1993.2	5073
55	4X70mm²	52.2	2748.5	6397
56	4X95mm²	58.4	3695.2	8012
57	4X120mm²	63.3	4628.1	9473
58	4X150mm²	69.2	5824.6	11403
59	4X185mm²	76.7	7142.9	14284
60	4X240mm²	85.2	9209.0	17628
61	5X1.5mm²	17.5	95.1	625

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
62	5X2.5mm²	18.9	144.8	739
63	5X4.0mm²	22.0	220.6	1054
64	5X6.0mm²	23.6	312.5	1242
65	5X10mm²	28.5	531.1	1765
66	5X16mm²	32.2	818.7	2287
67	5X25mm²	38.9	1252.0	3411
68	5X35mm²	43.9	1726.0	4302
69	5X50mm²	51.3	2469.7	6031
70	5X70mm²	56.8	3410.8	7566
71	5X95mm²	64.1	4590.4	9588
72	5X120mm²	69.1	5819.3	11382
73	5X150mm²	77.2	7237.0	14430
74	5X185mm²	84.2	8880.4	17167
75	5X240mm²	93.7	11456.7	21183
76	6X1.5mm²	18.5	111.7	689
77	6X2.5mm²	20.0	170.9	828
78	6X4.0mm²	23.4	261.3	1173
79	6X6.0mm²	25.4	386.9	1421
80	7X1.5mm²	18.5	125.4	708
81	7X2.5mm²	20.0	193.7	857
82	7X4.0mm²	23.4	297.8	1219
83	7X6.0mm²	25.4	440.8	1485
84	8X1.5mm²	19.7	142.3	788
85	8X2.5mm²	22.0	220.2	1057
86	8X4.0mm²	25.2	354.6	1397
87	8X6.0mm²	27.2	501.4	1673
88	9X1.5mm²	20.7	158.9	854
89	9X2.5mm²	23.2	246.4	1152
90	9X4.0mm²	26.6	396.8	1538
91	9X6.0mm²	29.6	561.6	1898
92	10X1.5mm²	22.6	176.2	1049
93	10X2.5mm²	24.6	273.4	1273
94	10X4.0mm²	29.2	440.4	1750
95	10X6.0mm²	32.2	624.3	2144
96	11X1.5mm²	22.6	189.9	1068
97	11X2.5mm²	24.6	296.3	1302
98	11X4.0mm²	29.2	476.9	1795
99	11X6.0mm²	32.2	678.2	2207
100	12X1.5mm²	23.1	205.1	1118
101	12X2.5mm²	25.4	336.7	1384
102	12X4.0mm²	29.9	516.3	1884
103	12X6.0mm²	33.0	735.3	2320
104	16X1.5mm²	25.0	280.7	1331
105	16X2.5mm²	28.2	436.0	1686
106	17X1.5mm²	26.0	298.2	1398
107	17X2.5mm²	29.3	463.2	1788
108	18X2.5mm²	29.3	486.0	1817
109	24X1.5mm²	30.0	406.7	1797
110	24X2.5mm²	34.4	638.4	2500
111	25X1.5mm²	30.0	420.4	1816
112	25X2.5mm²	34.4	661.2	2529
113	28X1.5mm²	30.5	463.4	1908
114	28X2.5mm²	35.0	731.9	2665
115	29X1.5mm²	31.9	481.2	2031
116	29X2.5mm²	36.5	758.5	2814
117	32X1.5mm²	32.8	525.9	2157
118	32X2.5mm²	38.0	831.2	3032
119	37X1.5mm²	34.6	598.1	2520
120	37X2.5mm²	39.1	949.7	3279

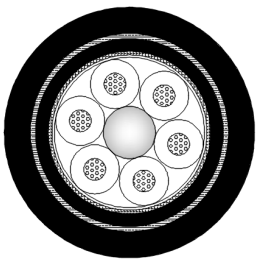
动力电缆 POWER CABLE

03

CU/PVC/OS/PVC/SWA/PVC

CE 认证 PVC 绝缘 PVC 内外护套屏蔽钢丝铠装安装动力电缆

CE certified PVC insulated, PVC inner and outer sheathed, shielded, steel wire armoured installation power cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC ➤
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2；
机械强度高，耐机械损伤；
抗拉伸性能优异；
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High mechanical strength and resistance to mechanical damage;
Excellent tensile resistance;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
PVC 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
PVC 内护套；
镀锌钢丝铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

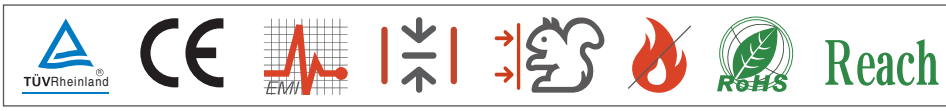
Bare copper,conform to IEC 60228 (Class 2 or Class 5);
PVC core insulation;
Copper wire braided shield with a density of over 80%;
PVC inner sheath;
Galvanized steel wire armoring;
PVC outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-15 至+ 70℃；
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -15 to +70℃;
Minimum bending radius:
　　Single-core cable: 15× cable diameter;
　　Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	11.1	22.1	223
2	1X2.5mm²	11.6	32.5	250
3	1X4.0mm²	12.5	48.4	301
4	1X6.0mm²	13.1	70.1	343
5	1X10mm²	14.5	112.0	432
6	1X16mm²	16.6	170.3	624
7	1X25mm²	18.4	258.4	804
8	1X35mm²	19.9	354.2	963
9	1X50mm²	22.7	497.4	1323
10	1X70mm²	24.7	686.2	1627
11	1X95mm²	27.7	940.5	2043
12	1X120mm²	29.8	1175.4	2411
13	1X150mm²	32.1	1460.4	2840
14	1X185mm²	35.7	1790.5	3560
15	1X240mm²	39.7	2307.7	4420
16	2X1.5mm²	14.4	47.4	375
17	2X2.5mm²	15.4	68.6	431
18	2X4.0mm²	18.1	101.4	646
19	2X6.0mm²	19.3	139.7	743
20	2X10mm²	22.9	223.8	1090
21	2X16mm²	25.4	356.5	1351
22	2X25mm²	29.9	537.1	1817
23	2X35mm²	34.2	731.7	2464
24	2X50mm²	39.0	1022.0	3139
25	2X70mm²	44.0	1435.5	3970
26	2X95mm²	50.6	1918.3	5371
27	2X120mm²	54.6	2391.4	6247
28	2X150mm²	59.2	2965.8	7338
29	2X185mm²	64.6	3630.6	8651
30	2X240mm²	71.4	4739.8	10550
31	3X1.5mm²	14.9	62.6	410
32	3X2.5mm²	16.9	93.1	580
33	3X4.0mm²	18.8	140.1	730
34	3X6.0mm²	20.1	196.0	849
35	3X10mm²	23.9	318.7	1239
36	3X16mm²	26.6	507.9	1595
37	3X25mm²	31.5	772.4	2173
38	3X35mm²	35.9	1059.3	2920
39	3X50mm²	41.5	1489.3	3844
40	3X70mm²	47.3	2088.2	5170
41	3X95mm²	53.5	2802.3	6554
42	3X120mm²	57.5	3504.8	7689
43	3X150mm²	63.3	4356.9	9211
44	3X185mm²	68.7	5409.4	10902
45	3X240mm²	77.5	6965.7	14222
46	4X1.5mm²	16.6	78.7	554
47	4X2.5mm²	17.8	118.8	653
48	4X4.0mm²	20.0	180.2	837
49	4X6.0mm²	22.2	253.9	1085
50	4X10mm²	25.8	431.9	1479
51	4X16mm²	29.4	662.5	1926
52	4X25mm²	35.1	1011.7	2833
53	4X35mm²	39.8	1391.4	3598
54	4X50mm²	46.6	1993.2	5073
55	4X70mm²	52.2	2748.5	6397
56	4X95mm²	58.4	3695.2	8012
57	4X120mm²	63.3	4628.1	9473
58	4X150mm²	69.2	5824.6	11403
59	4X185mm²	76.7	7142.9	14284
60	4X240mm²	85.2	9209.0	17628
61	5X1.5mm²	17.5	95.1	625
62	5X2.5mm²	18.9	144.8	739
63	5X4.0mm²	22.0	220.6	1054
64	5X6.0mm²	23.6	312.5	1242
65	5X10mm²	28.5	531.1	1765
66	5X16mm²	32.2	818.7	2287
67	5X25mm²	38.9	1252.0	3411
68	5X35mm²	43.9	1726.0	4302
69	5X50mm²	51.3	2469.7	6031
70	5X70mm²	56.8	3410.8	7566
71	5X95mm²	64.1	4590.4	9588
72	5X120mm²	69.1	5819.3	11382
73	5X150mm²	77.2	7237.0	14430
74	5X185mm²	84.2	8880.4	17167
75	5X240mm²	93.7	11456.7	21183
76	6X1.5mm²	18.5	111.7	689
77	6X2.5mm²	20.0	170.9	828
78	6X4.0mm²	23.4	261.3	1173
79	6X6.0mm²	25.4	386.9	1421
80	7X1.5mm²	18.5	125.4	708
81	7X2.5mm²	20.0	193.7	857
82	7X4.0mm²	23.4	297.8	1219
83	7X6.0mm²	25.4	440.8	1485
84	8X1.5mm²	19.7	142.3	788
85	8X2.5mm²	22.0	220.2	1057
86	8X4.0mm²	25.2	354.6	1397
87	8X6.0mm²	27.2	501.4	1673
88	9X1.5mm²	20.7	158.9	854
89	9X2.5mm²	23.2	246.4	1152
90	9X4.0mm²	26.6	396.8	1538
91	9X6.0mm²	29.6	561.6	1898
92	10X1.5mm²	22.6	176.2	1049
93	10X2.5mm²	24.6	273.4	1273
94	10X4.0mm²	29.2	440.4	1750
95	10X6.0mm²	32.2	624.3	2144
96	11X1.5mm²	22.6	189.9	1068
97	11X2.5mm²	24.6	296.3	1302
98	11X4.0mm²	29.2	476.9	1795
99	11X6.0mm²	32.2	678.2	2207
100	12X1.5mm²	23.1	205.1	1118
101	12X2.5mm²	25.4	336.7	1384
102	12X4.0mm²	29.9	516.3	1884
103	12X6.0mm²	33.0	735.3	2320
104	16X1.5mm²	25.0	280.7	1331
105	16X2.5mm²	28.2	436.0	1686
106	17X1.5mm²	26.0	298.2	1398
107	17X2.5mm²	29.3	463.2	1788
108	18X2.5mm²	29.3	486.0	1817
109	24X1.5mm²	30.0	406.7	1797
110	24X2.5mm²	34.4	638.4	2500
111	25X1.5mm²	30.0	420.4	1816
112	25X2.5mm²	34.4	661.2	2529
113	28X1.5mm²	30.5	463.4	1908
114	28X2.5mm²	35.0	731.9	2665
115	29X1.5mm²	31.9	481.2	2031
116	29X2.5mm²	36.5	758.5	2814
117	32X1.5mm²	32.8	525.9	2157
118	32X2.5mm²	38.0	831.2	3032
119	37X1.5mm²	34.6	598.1	2520
120	37X2.5mm²	39.1	949.7	3279

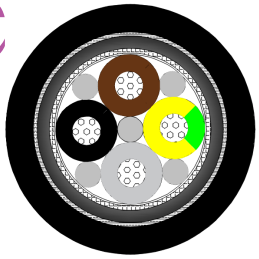
动力电缆 POWER CABLE

03

CU/XLPE/OS/PVC/STA/PVC

CE 认证 XLPE 绝缘 PVC 内外护套屏蔽钢带铠装安装动力电缆

CE certified XLPE insulated, PVC inner and outer sheathed, shielded, steel tape armoured installation power cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗挤压性能优异；
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent crush resistance;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
PVC 内护套；
镀锌钢带铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

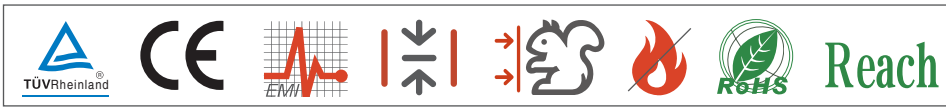
Bare copper,conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
Copper wire braided shield with a density of over 80%;
PVC inner sheath;
Galvanized steel tape armoring;
PVC outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-15 至+ 70℃；
最小弯曲半径：
单芯线：15X 电缆直径；
多芯线：12X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -15 to +70℃;
Minimum bending radius:
Single-core cable: 15× cable diameter;
Multi-core cable: 12× cable diameter



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.9	22.1	216
2	1X2.5mm²	11.4	32.0	242
3	1X4.0mm²	11.9	46.9	270
4	1X6.0mm²	12.5	65.8	311
5	1X10mm²	13.9	110.3	400
6	1X16mm²	15.1	168.5	496
7	1X25mm²	17.9	257.0	763
8	1X35mm²	19.3	352.5	914
9	1X50mm²	21.2	495.1	1138
10	1X70mm²	24.1	684.4	1540
11	1X95mm²	26.7	936.6	1939
12	1X120mm²	29.0	1172.2	2295
13	1X150mm²	31.3	1457.2	2725
14	1X185mm²	34.9	1787.3	3421
15	1X240mm²	38.6	2303.3	4211
16	2X1.5mm²	14.1	46.2	353
17	2X2.5mm²	15.1	67.4	411
18	2X4.0mm²	17.0	97.9	573
19	2X6.0mm²	18.2	136.2	667
20	2X10mm²	21.1	220.6	888
21	2X16mm²	24.0	336.9	1235
22	2X25mm²	28.7	532.4	1704
23	2X35mm²	32.2	726.9	2124
24	2X50mm²	37.5	1016.0	2953
25	2X70mm²	42.5	1399.8	3748
26	2X95mm²	48.2	1908.4	4987
27	2X120mm²	53.0	2383.5	5958
28	2X150mm²	57.6	2957.9	7017
29	2X185mm²	63.0	3622.7	8295
30	2X240mm²	69.2	4726.1	10080
31	3X1.5mm²	14.6	61.3	388
32	3X2.5mm²	16.5	91.9	550
33	3X4.0mm²	17.6	136.3	646
34	3X6.0mm²	18.9	192.2	760
35	3X10mm²	22.7	315.1	1137
36	3X16mm²	25.3	502.8	1462
37	3X25mm²	30.4	768.2	2043
38	3X35mm²	34.6	1054.2	2744
39	3X50mm²	39.9	1482.8	3590
40	3X70mm²	46.0	2081.8	4952
41	3X95mm²	51.3	2791.6	6185
42	3X120mm²	55.8	3496.3	7293
43	3X150mm²	61.6	4348.4	8807
44	3X185mm²	66.9	5335.8	10385
45	3X240mm²	75.1	6951.0	13510
46	4X1.5mm²	15.3	77.3	434
47	4X2.5mm²	17.4	117.4	617
48	4X4.0mm²	18.7	175.9	731
49	4X6.0mm²	20.1	249.6	878
50	4X10mm²	24.3	411.5	1324
51	4X16mm²	27.9	656.8	1785
52	4X25mm²	33.1	1006.9	2472
53	4X35mm²	38.3	1385.7	3385
54	4X50mm²	43.4	1953.5	4355
55	4X70mm²	50.7	2741.3	6086

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
56	4X95mm²	55.9	3683.2	7523
57	4X120mm²	61.3	4618.5	9037
58	4X150mm²	67.3	5812.6	10863
59	4X185mm²	74.7	7130.9	13674
60	4X240mm²	82.5	9192.5	16762
61	5X1.5mm²	17.1	93.5	588
62	5X2.5mm²	18.5	143.2	698
63	5X4.0mm²	19.8	215.8	830
64	5X6.0mm²	22.2	307.7	1107
65	5X10mm²	27.0	525.2	1606
66	5X16mm²	30.6	812.3	2105
67	5X25mm²	37.5	1246.6	3205
68	5X35mm²	42.0	1719.5	4019
69	5X50mm²	48.8	2459.6	5624
70	5X70mm²	55.2	3402.8	7201
71	5X95mm²	61.4	4577.0	9011
72	5X120mm²	66.9	5743.1	10757
73	5X150mm²	75.1	7223.6	13783
74	5X185mm²	82.1	8867.0	16441
75	5X240mm²	90.7	11438.3	20157
76	6X1.5mm²	18.0	109.9	646
77	6X2.5mm²	19.5	169.1	771
78	6X4.0mm²	21.0	255.9	931
79	6X6.0mm²	23.5	365.4	1249
80	7X1.5mm²	18.0	123.6	662
81	7X2.5mm²	19.5	191.9	796
82	7X4.0mm²	21.0	292.5	969
83	7X6.0mm²	23.5	419.3	1304
84	8X1.5mm²	19.0	140.3	724
85	8X2.5mm²	20.7	218.2	883
86	8X4.0mm²	23.0	332.9	1193
87	8X6.0mm²	25.2	493.5	1472
88	10X1.5mm²	21.1	173.9	863
89	10X2.5mm²	23.8	271.1	1177
90	10X4.0mm²	26.8	430.9	1508
91	10X6.0mm²	29.6	614.0	1874
92	12X1.5mm²	22.3	202.6	1023
93	12X2.5mm²	24.3	318.3	1260
94	12X4.0mm²	27.4	506.4	1639
95	12X6.0mm²	30.3	724.6	2027
96	16X1.5mm²	23.9	262.2	1183
97	16X2.5mm²	27.3	432.3	1558
98	18X2.5mm²	28.3	482.1	1678
99	19X1.5mm²	25.0	321.6	1326
100	19X2.5mm²	28.3	504.9	1703
101	24X1.5mm²	28.8	401.9	1642
102	24X2.5mm²	32.4	633.6	2113
103	25X1.5mm²	28.8	415.6	1658
104	25X2.5mm²	32.4	656.4	2138
105	28X1.5mm²	29.3	458.5	1739
106	28X2.5mm²	32.9	727.0	2251
107	32X1.5mm²	31.5	520.6	1967
108	32X2.5mm²	36.3	825.9	2763
109	37X1.5mm²	32.4	592.6	2099
110	37X2.5mm²	37.7	944.1	3018

动力电缆 POWER CABLE

03

PVC 护套柔性
屏蔽动力电缆
PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

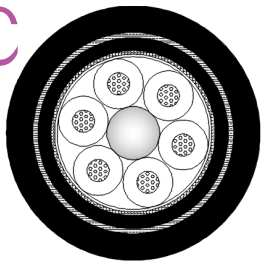
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NYCY
VFD-HRJMCE-S
N2XCY
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CU/XLPE/OS/PVC/STA/PVC
CU/XLPE/OS/PVC/SWA/PVC
AWM 2570-S
AWM 2586-S
AS/NZS 5000.1 CU/V-90/OS/5V-90
AS/NZS 5000.1 CU/X-90/OS/5V-90
AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



CU/XLPE/OS/PVC/SWA/PVC

CE 认证 XLPE 绝缘 PVC 内外护套屏蔽钢丝铠装安装动力电缆

CE certified XLPE insulated, PVC inner and outer sheathed, shielded, steel wire armoured installation power cable



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗拉伸性能优异；
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent tensile resistance;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
PVC 内护套；
镀锌钢丝铠装；
PVC 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

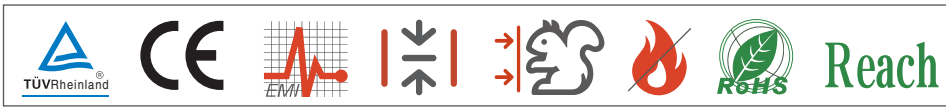
Bare copper,conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
Copper wire braided shield with a density of over 80%;
PVC inner sheath;
Galvanized steel wire armoring;
PVC outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-15 至+ 70℃；
最小弯曲半径：
　　单芯线：15X 电缆直径；
　　多芯线：12X 电缆直径

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -15 to +70℃;
Minimum bending radius:
　　Single-core cable: 15× cable diameter;
　　Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.9	22.1	216
2	1X2.5mm²	11.4	32.0	242
3	1X4.0mm²	11.9	46.9	270
4	1X6.0mm²	12.5	65.8	311
5	1X10mm²	13.9	110.3	400
6	1X16mm²	15.1	168.5	496
7	1X25mm²	17.9	257.0	763
8	1X35mm²	19.3	352.5	914
9	1X50mm²	21.2	495.1	1138
10	1X70mm²	24.1	684.4	1540
11	1X95mm²	26.7	936.6	1939
12	1X120mm²	29.0	1172.2	2295
13	1X150mm²	31.3	1457.2	2725
14	1X185mm²	34.9	1787.3	3421
15	1X240mm²	38.6	2303.3	4211
16	2X1.5mm²	14.1	46.2	353
17	2X2.5mm²	15.1	67.4	411
18	2X4.0mm²	17.0	97.9	573
19	2X6.0mm²	18.2	136.2	667
20	2X10mm²	21.1	220.6	888
21	2X16mm²	24.0	336.9	1235
22	2X25mm²	28.7	532.4	1704
23	2X35mm²	32.2	726.9	2124
24	2X50mm²	37.5	1016.0	2953
25	2X70mm²	42.5	1399.8	3748
26	2X95mm²	48.2	1908.4	4987
27	2X120mm²	53.0	2383.5	5958
28	2X150mm²	57.6	2957.9	7017
29	2X185mm²	63.0	3622.7	8295
30	2X240mm²	69.2	4726.1	10080
31	3X1.5mm²	14.6	61.3	388
32	3X2.5mm²	16.5	91.9	550
33	3X4.0mm²	17.6	136.3	646
34	3X6.0mm²	18.9	192.2	760
35	3X10mm²	22.7	315.1	1137
36	3X16mm²	25.3	502.8	1462
37	3X25mm²	30.4	768.2	2043
38	3X35mm²	34.6	1054.2	2744
39	3X50mm²	39.9	1482.8	3590
40	3X70mm²	46.0	2081.8	4952
41	3X95mm²	51.3	2791.6	6185
42	3X120mm²	55.8	3496.3	7293
43	3X150mm²	61.6	4348.4	8807
44	3X185mm²	66.9	5335.8	10385
45	3X240mm²	75.1	6951.0	13510
46	4X1.5mm²	15.3	77.3	434
47	4X2.5mm²	17.4	117.4	617
48	4X4.0mm²	18.7	175.9	731
49	4X6.0mm²	20.1	249.6	878
50	4X10mm²	24.3	411.5	1324
51	4X16mm²	27.9	656.8	1785
52	4X25mm²	33.1	1006.9	2472
53	4X35mm²	38.3	1385.7	3385
54	4X50mm²	43.4	1953.5	4355
55	4X70mm²	50.7	2741.3	6086

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
56	4X95mm²	55.9	3683.2	7523
57	4X120mm²	61.3	4618.5	9037
58	4X150mm²	67.3	5812.6	10863
59	4X185mm²	74.7	7130.9	13674
60	4X240mm²	82.5	9192.5	16762
61	5X1.5mm²	17.1	93.5	588
62	5X2.5mm²	18.5	143.2	698
63	5X4.0mm²	19.8	215.8	830
64	5X6.0mm²	22.2	307.7	1107
65	5X10mm²	27.0	525.2	1606
66	5X16mm²	30.6	812.3	2105
67	5X25mm²	37.5	1246.6	3205
68	5X35mm²	42.0	1719.5	4019
69	5X50mm²	48.8	2459.6	5624
70	5X70mm²	55.2	3402.8	7201
71	5X95mm²	61.4	4577.0	9011
72	5X120mm²	66.9	5743.1	10757
73	5X150mm²	75.1	7223.6	13783
74	5X185mm²	82.1	8867.0	16441
75	5X240mm²	90.7	11438.3	20157
76	6X1.5mm²	18.0	109.9	646
77	6X2.5mm²	19.5	169.1	771
78	6X4.0mm²	21.0	255.9	931
79	6X6.0mm²	23.5	365.4	1249
80	7X1.5mm²	18.0	123.6	662
81	7X2.5mm²	19.5	191.9	796
82	7X4.0mm²	21.0	292.5	969
83	7X6.0mm²	23.5	419.3	1304
84	8X1.5mm²	19.0	140.3	724
85	8X2.5mm²	20.7	218.2	883
86	8X4.0mm²	23.0	332.9	1193
87	8X6.0mm²	25.2	493.5	1472
88	10X1.5mm²	21.1	173.9	863
89	10X2.5mm²	23.8	271.1	1177
90	10X4.0mm²	26.8	430.9	1508
91	10X6.0mm²	29.6	614.0	1874
92	12X1.5mm²	22.3	202.6	1023
93	12X2.5mm²	24.3	318.3	1260
94	12X4.0mm²	27.4	506.4	1639
95	12X6.0mm²	30.3	724.6	2027
96	16X1.5mm²	23.9	262.2	1183
97	16X2.5mm²	27.3	432.3	1558
98	18X2.5mm²	28.3	482.1	1678
99	19X1.5mm²	25.0	321.6	1326
100	19X2.5mm²	28.3	504.9	1703
101	24X1.5mm²	28.8	401.9	1642
102	24X2.5mm²	32.4	633.6	2113
103	25X1.5mm²	28.8	415.6	1658
104	25X2.5mm²	32.4	656.4	2138
105	28X1.5mm²	29.3	458.5	1739
106	28X2.5mm²	32.9	727.0	2251
107	32X1.5mm²	31.5	520.6	1967
108	32X2.5mm²	36.3	825.9	2763
109	37X1.5mm²	32.4	592.6	2099
110	37X2.5mm²	37.7	944.1	3018

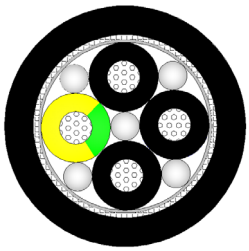
动力电缆 POWER CABLE

03

AWM 2570-S

UL/CUL 认证 PVC 护套柔性屏蔽动力控制电缆

UL/CUL certified PVC sheathed flexible shield power control cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
电磁兼容 EMC 场合；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
Widely recognized in the North American market;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2570，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2570, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：国际色规；
导体电阻：UL1581 标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−15 至+ 80℃；
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: international color standard;
Conductor resistance: UL1581 standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range:
　　fixed installation: − 40 to+80℃ ;
　　Moved installation: − 15 to+80℃ ;
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.8	40	96
2	3G16AWG	8.2	53	117
3	4G16AWG	9.1	68	147
4	5G16AWG	10.0	82	179
5	6G16AWG	11.0	96	210
6	7G16AWG	12.0	111	254
7	8G16AWG	13.1	125	298
8	10G16AWG	13.8	152	318
9	12G16AWG	14.4	177	364
10	2X14AWG	8.8	57	125
11	3G14AWG	9.3	77	156
12	4G14AWG	10.2	98	197
13	5G14AWG	11.3	120	240
14	6G14AWG	12.4	141	282
15	7G14AWG	13.5	163	340
16	8G14AWG	14.6	185	391
17	10G14AWG	15.8	226	439
18	12G14AWG	16.3	266	495
19	2X12AWG	9.8	82	163
20	3G12AWG	10.5	113	213
21	4G12AWG	11.7	146	270
22	5G12AWG	12.9	179	329
23	6G12AWG	14.1	213	387
24	7G12AWG	15.4	246	468

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	8G12AWG	16.8	280	547
26	10G12AWG	18.2	344	617
27	12G12AWG	18.7	405	699
28	2X10AWG	12.0	124	236
29	3G10AWG	12.9	175	309
30	4G10AWG	14.2	227	394
31	5G10AWG	15.7	279	497
32	2X8AWG	15.0	190	363
33	3G8AWG	16.0	270	478
34	4G8AWG	17.6	352	599
35	5G8AWG	19.3	450	776
36	2X6AWG	19.2	307	582
37	3G6AWG	20.5	435	768
38	4G6AWG	23.0	566	991
39	5G6AWG	25.5	698	1272
40	2X4AWG	22.6	477	849
41	3G4AWG	24.3	685	1145
42	4G4AWG	26.7	897	1448
43	5G4AWG	30.0	1109	1889
44	2X2AWG	26.6	683	1196
45	3G2AWG	28.2	989	1586
46	4G2AWG	31.8	1299	2085
47	5G2AWG	35.2	1611	2664

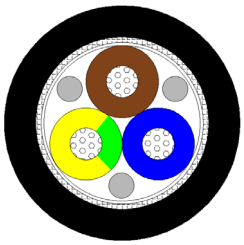
动力电缆 POWER CABLE

03

AWM 2586-S

UL/CUL 认证耐热 PVC 护套柔性屏蔽动力电缆

UL/CUL certified heat-resistant PVC sheathed flexible shielded power cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Applicable to wiring (AWM) cables in American industrial machinery equipment.

产品特性

柔性，易弯曲；
阻燃性符合 FT1，VW-1；
电磁兼容 EMC 场合；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
EMC occasions;
Widely recognized in the North American market;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2586，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2586, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PVC 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC/TPE core wire insulation is optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PVC outer sheath;
Outer sheath color:black or gray (RAL7001).

技术参数

芯线标识：国际色规；
导体电阻：UL1581 标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
温度范围：
　　固定安装：−40 至+ 105℃；
　　移动安装：−15 至+ 105℃；
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: international color standard;
Conductor resistance: UL1581 standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Temperature range:
　　fixed installation: − 40 to+105 ℃ ;
　　Moved installation: − 15 to+105 ℃ ;
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.

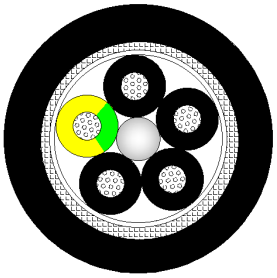
物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.8	40	96
2	3G16AWG	8.2	53	117
3	4G16AWG	9.1	68	147
4	5G16AWG	10.0	82	179
5	6G16AWG	11.0	96	210
6	7G16AWG	12.0	111	254
7	8G16AWG	13.1	125	298
8	10G16AWG	13.8	152	318
9	12G16AWG	14.4	177	364
10	2X14AWG	8.8	57	125
11	3G14AWG	9.3	77	156
12	4G14AWG	10.2	98	197
13	5G14AWG	11.3	120	240
14	6G14AWG	12.4	141	282
15	7G14AWG	13.5	163	340
16	8G14AWG	14.6	185	391
17	10G14AWG	15.8	226	439
18	12G14AWG	16.3	266	495
19	2X12AWG	9.8	82	163
20	3G12AWG	10.5	113	213
21	4G12AWG	11.7	146	270
22	5G12AWG	12.9	179	329
23	6G12AWG	14.1	213	387
24	7G12AWG	15.4	246	468

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	8G12AWG	16.8	280	547
26	10G12AWG	18.2	344	617
27	12G12AWG	18.7	405	699
28	2X10AWG	12.0	124	236
29	3G10AWG	12.9	175	309
30	4G10AWG	14.2	227	394
31	5G10AWG	15.7	279	497
32	2X8AWG	15.0	190	363
33	3G8AWG	16.0	270	478
34	4G8AWG	17.6	352	599
35	5G8AWG	19.3	450	776
36	2X6AWG	19.2	307	582
37	3G6AWG	20.5	435	768
38	4G6AWG	23.0	566	991
39	5G6AWG	25.5	698	1272
40	2X4AWG	22.6	477	849
41	3G4AWG	24.3	685	1145
42	4G4AWG	26.7	897	1448
43	5G4AWG	30.0	1109	1889
44	2X2AWG	26.6	683	1196
45	3G2AWG	28.2	989	1586
46	4G2AWG	31.8	1299	2085
47	5G2AWG	35.2	1611	2664

AS/NZS 5000.1 CU/V-90/OS/5V-90

SAA 认证 PVC 绝缘 PVC 护套柔性屏蔽动力电缆

SAA Certified PVC Insulated PVC Sheathed Flexible Shielded Power Cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

通常用于 0.6/1kV 低压系统，符合澳大利亚和新西兰电网的住宅及一般工商业电压要求。可用于建筑物内部的固定电力布线，如住宅、商业楼宇、工业厂房的配电系统。还能用于连接配电盘、开关设备、照明系统、插座等，还可用于开关柜及控制面板布线，以及活动房和房车等有保护管槽内的固定布线。屏蔽线可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

It is typically used in 0.6/1kV low-voltage systems, meeting the voltage requirements for residential, general industrial and commercial applications in the Australian and New Zealand power grids. It can be applied to fixed power wiring inside buildings, such as the power distribution systems in residences, commercial buildings and industrial plants. Additionally, it can be used for connecting distribution boards, switchgear, lighting systems, sockets, etc., as well as for wiring in switch cabinets and control panels, and fixed wiring in protective conduits/trunking of mobile homes and caravans.Shielded wires can reduce mutual interference between devices, improve production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2;
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC60332-1-2;
High shielding effectiveness, anti electromagnetic interference.

技术认证

SAA 认证;
符合 AS/NZS 5000.1;
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS，REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）;
V-90 芯线绝缘，符合 AS/NZS 3808;
镀锡铜丝编织屏蔽，密度 80%以上;
5V-90 外护套，符合 AS/NZS 3808;
外护套一般为黑色，其他颜色可选。

Cable structure

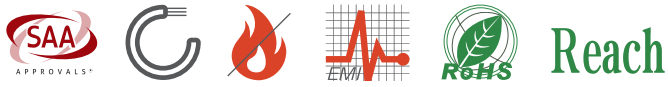
Bare copper, conform to AS/NZS 1125 standard (Class 5);
V-90 core insulation, conform to AS/NZS 3808;
Tinned copper braided shielding, with a density of over 80%;
5V-90 outer sheath, conform to AS/NZS 3808;
The outer sheath is generally black, and other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求;
导体电阻：符合 AS/NZS 1125 标准;
额定温度：90℃;
额定电压：0.6/1kV;
测试电压：3500V/5min;
温度范围：固定安装：-15 至+ 90℃;
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.1 requirements;
Conductor resistance:
compliant with AS/NZS 1125 standard;
Rated temperature: 90 ℃;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range: Fixed installation: -15 to+90 ℃;
Minimum bending radius: 7.5 X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	6.8	11.732	62.343
2	1X0.75mm²	7	14.155	67.351
3	1X1.0mm²	7.1	16.826	71.905
4	1X1.5mm²	7.4	22.109	81.132
5	1X2.5mm²	7.9	32.476	98.2
6	1X4.0mm²	8.8	48.441	128.487
7	1X6.0mm²	9.4	70.072	158.856
8	1X10mm²	10.8	111.977	220.792
9	1X16mm²	11.9	170.295	295.273
10	1X25mm²	13.7	258.432	416.322
11	1X35mm²	15.3	354.239	541.355
12	1X50mm²	17.3	497.435	725.563
13	1X70mm²	19.3	686.219	952.574
14	1X95mm²	21.9	940.541	1263.923
15	1X120mm²	23.8	1175.414	1540.25
16	1X150mm²	26.1	1460.375	1888.269
17	1X185mm²	28.9	1790.468	2315.896
18	1X240mm²	32.1	2307.707	2931.702
19	2X0.5mm²	9.4	25.154	116.128
20	2X0.75mm²	9.8	31.039	128.308
21	2X1.0mm²	10.1	36.502	138.426
22	2X1.5mm²	10.7	47.409	159.117
23	2X2.5mm²	11.7	68.631	197.243
24	2X4.0mm²	13.5	101.431	266.08
25	2X6.0mm²	14.7	139.724	327.555
26	2X10mm²	17.6	223.834	473.269
27	2X16mm²	20.3	356.47	666.234
28	2X25mm²	24.3	537.125	961.664
29	2X35mm²	27.6	731.699	1260.548
30	2X50mm²	32.2	1022.04	1731.787
31	2X70mm²	36.8	1435.498	2307.336
32	2X95mm²	42.2	1918.262	3051.174
33	2X120mm²	46	2391.387	3703.936
34	2X150mm²	51	2965.849	4564.92
35	2X185mm²	56.2	3630.606	5564.029
36	2X240mm²	63.2	4739.764	7153.116
37	3X0.5mm²	9.8	30.825	131.761
38	3X0.75mm²	10.2	39.164	147.314
39	3X1.0mm²	10.5	46.959	160.389
40	3X1.5mm²	11.2	62.588	187.21
41	3X2.5mm²	12.3	93.147	237.091
42	3X4.0mm²	14.2	140.082	326.478
43	3X6.0mm²	15.6	196.025	412.781
44	3X10mm²	18.6	318.691	600.993
45	3X16mm²	21.5	507.885	856.174
46	3X25mm²	25.8	772.437	1251.349
47	3X35mm²	29.2	1059.318	1646.533
48	3X50mm²	34.4	1489.325	2289.266
49	3X70mm²	39.4	2088.186	3090.276
50	3X95mm²	45.2	2802.254	4099.498
51	3X120mm²	49.2	3504.811	4996.427
52	3X150mm²	54.8	4356.904	6201.19

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	60.4	5409.374	7631.607
54	3X240mm²	67.8	6965.712	9714.162
55	4X0.5mm²	10.5	37.287	152.219
56	4X0.75mm²	10.9	48.119	171.631
57	4X1.0mm²	11.3	58.315	188.079
58	4X1.5mm²	12	78.737	221.823
59	4X2.5mm²	13.2	118.812	284.937
60	4X4.0mm²	15.4	180.162	397.783
61	4X6.0mm²	17	253.917	507.522
62	4X10mm²	20.4	431.888	760.574
63	4X16mm²	23.6	662.501	1077.226
64	4X25mm²	28.5	1011.68	1597.927
65	4X35mm²	32.6	1391.448	2125.166
66	4X50mm²	38.6	1993.209	2989.028
67	4X70mm²	43.8	2748.515	3981.805
68	4X95mm²	50.2	3695.165	5285.943
69	4X120mm²	54.8	4628.095	6463.461
70	4X150mm²	60.9	5824.598	8087.773
71	4X185mm²	66.9	7142.892	9829.344
72	4X240mm²	75.2	9208.989	12549.499
73	5X0.5mm²	11.2	43.949	174.317
74	5X0.75mm²	11.7	57.313	197.806
75	5X1.0mm²	12.1	69.911	217.767
76	5X1.5mm²	12.9	95.137	258.743
77	5X2.5mm²	14.3	144.778	335.684
78	5X4.0mm²	16.7	220.623	473.201
79	5X6.0mm²	18.5	312.539	609.817
80	5X10mm²	22.4	531.135	921.363
81	5X16mm²	26.1	818.706	1316.058
82	5X25mm²	31.7	1251.952	1971.315
83	5X35mm²	36.3	1725.957	2626.513
84	5X50mm²	42.6	2469.724	3671.431
85	5X70mm²	48.5	3410.844	4919.199
86	5X95mm²	55.6	4590.406	6531.248
87	5X120mm²	60.8	5819.348	8067.853
88	5X150mm²	67.6	7237.003	10003.511
89	5X185mm²	74.2	8880.369	12161.501
90	5X240mm²	83.4	11456.656	15510.929
91	6X0.5mm²	12	50.691	197.529
92	6X0.75mm²	12.6	66.598	225.244
93	6X1.0mm²	13	81.617	248.85
94	6X1.5mm²	13.9	111.676	297.323
95	6X2.5mm²	15.4	170.893	388.536
96	6X4.0mm²	18.1	261.263	551.673
97	6X6.0mm²	20.2	386.891	728.936
98	7X0.5mm²	12	55.183	206.416
99	7X0.75mm²	12.6	73.443	236.815
100	7X1.0mm²	13	90.744	262.871
101	7X1.5mm²	13.9	125.365	316.361
102	7X2.5mm²	15.4	193.709	417.425
103	7X4.0mm²	18.1	297.804	597.297

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	20.2	440.792	792.729
105	8X0.5mm²	12.9	62.295	235.586
106	8X0.75mm²	13.6	83.077	270.52
107	8X1.0mm²	14.1	102.79	300.461
108	8X1.5mm²	15.1	142.265	361.983
109	8X2.5mm²	16.7	220.174	478.2
110	8X4.0mm²	19.7	354.614	701.235
111	8X6.0mm²	22.1	501.384	914.486
112	9X0.5mm²	13.7	69.106	260.506
113	9X0.75mm²	14.4	92.452	299.914
114	9X1.0mm²	15	114.586	333.681
115	9X1.5mm²	16.1	158.864	403.057
116	9X2.5mm²	17.9	246.38	534.292
117	9X4.0mm²	21.3	396.775	787.775
118	9X6.0mm²	23.7	561.626	1026.058
119	10X0.5mm²	14.7	76.538	290.318
120	10X0.75mm²	15.5	102.447	334.731
121	10X1.0mm²	16.1	127.042	372.778
122	10X1.5mm²	17.3	176.243	451.007
123	10X2.5mm²	19.3	273.446	598.942
124	10X4.0mm²	23.3	440.375	896.384
125	10X6.0mm²	26.1	624.288	1172.364
126	11X0.5mm²	14.7	81.03	299.205
127	11X0.75mm²	15.5	109.291	346.302
128	11X1.0mm²	16.1	136.168	386.799
129	11X1.5mm²	17.3	189.933	470.045
130	11X2.5mm²	19.3	296.261	627.831
131	11X4.0mm²	23.3	476.916	942.008
132	11X6.0mm²	26.1	678.189	1236.158
133	12X0.5mm²	15.1	86.712	316.722
134	12X0.75mm²	15.9	117.406	367.465
135	12X1.0mm²	16.5	146.635	411.175
136	12X1.5mm²	17.8	205.102	501.037
137	12X2.5mm²	20.1	336.747	689.388
138	12X4.0mm²	24.2	516.266	1021.295
139	12X6.0mm²	26.9	735.301	1326.793
140	13X0.5mm²	15.8	93.164	340.301
141	13X0.75mm²	16.6	126.361	395.404
142	13X1.0mm²	17.3	157.991	442.879
143	13X1.5mm²	18.6	221.261	540.521
144	13X2.5mm²	21	6973.602	7354.87
145	14X0.5mm²	15.8	97.685	349.467
146	14X0.75mm²	16.7	133.235	407.284
147	14X1.0mm²	17.3	167.177	457.264
148	14X1.5mm²	18.6	234.981	559.942
149	14X2.5mm²	21.2	386.258	779.263
150	15X0.5mm²	16.1	103.157	365.871
151	15X0.75mm²	17	141.15	427.251
152	15X1.0mm²	17.7	177.393	480.32
153	15X1.5mm²	19.1	249.92	589.482
154	15X2.5mm²	21.5	410.983	816.468
155	16X0.5mm²	16.5	108.809	383.629

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	17.4	149.245	448.719
157	16X1.0mm²	18.1	187.83	505.033
158	16X1.5mm²	19.7	280.679	638.404
159	16X2.5mm²	22.3	436.019	872.313
160	17X0.5mm²	17.3	115.561	410.477
161	17X0.75mm²	18.3	158.529	480.353
162	17X1.0mm²	19	199.546	540.776
163	17X1.5mm²	20.7	298.179	683.574
164	17X2.5mm²	23.4	463.224	934.271
165	18X0.5mm²	17.3	120.053	419.364
166	18X0.75mm²	18.3	165.374	491.924
167	18X1.0mm²	19	208.672	554.797
168	18X1.5mm²	20.7	311.868	702.612
169	18X2.5mm²	23.4	486.04	963.16
170	19X0.5mm²	17.3	124.544	428.251
171	19X0.75mm²	18.3	172.219	503.495
172	19X1.0mm²	19	217.798	568.818
173	19X1.5mm²	20.7	325.557	721.651
174	19X2.5mm²	23.4	508.856	992.049
175	20X0.5mm²	18	131.356	455.939
176	20X0.75mm²	19.1	181.563	536.085
177	20X1.0mm²	20.1	245.524	623.441
178	20X1.5mm²	21.9	343.127	778.855
179	20X2.5mm²	24.7	536.551	1068.252
180	21X0.5mm²	18	135.848	464.826
181	21X0.75mm²	19.1	188.408	547.656
182	21X1.0mm²	20.1	254.651	637.462
183	21X1.5mm²	21.9	356.816	797.893
184	21X2.5mm²	24.7	559.367	1097.141
185	22X0.5mm²	18.8	142.65	493.196
186	22X0.75mm²	20.1	213.823	598.996
187	22X1.0mm²	21	267.347	676.058
188	22X1.5mm²	22.9	374.385	845.876
189	22X2.5mm²	26.2	587.092	1175.4
190	23X0.5mm²	18.8	147.142	502.083
191	23X0.75mm²	20.1	220.667	610.566
192	23X1.0mm²	21	276.473	690.079
193	23X1.5mm²	22.9	388.075	864.915
194	23X2.5mm²	26.2	609.908	1204.289
195	24X0.5mm²	20	170.484	554.034
196	24X0.75mm²	21.2	231.712	651.49
197	24X1.0mm²	22.1	290.029	735.899
198	24X1.5mm²	24.3	406.684	933.532
199	24X2.5mm²	27.7	638.393	1288.373
200	25X0.5mm²	20	174.975	562.921
201	25X0.75mm²	21.2	238.557	663.06
202	25X1.0mm²	22.1	299.156	749.921
203	25X1.5mm²	24.3	420.373	952.57
204	25X2.5mm²	27.7	661.209	1317.262
205	26X0.5mm²	20	179.467	571.808
206	26X0.75mm²	21.2	245.401	674.631

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	22.1	308.282	763.942
208	26X1.5mm²	24.3	434.063	971.608
209	26X2.5mm²	27.7	684.024	1346.15
210	27X0.5mm²	20.4	185.549	591.466
211	27X0.75mm²	21.6	253.946	698.25
212	27X1.0mm²	22.7	319.198	802.227
213	27X1.5mm²	24.8	449.732	1006.334
214	27X2.5mm²	28.3	709.09	1395.024
215	28X0.5mm²	20.4	190.041	600.353
216	28X0.75mm²	21.6	260.791	709.821
217	28X1.0mm²	22.7	328.324	816.248
218	28X1.5mm²	24.8	463.421	1025.372
219	28X2.5mm²	28.3	731.906	1423.913
220	29X0.5mm²	21.1	197.143	627.492
221	29X0.75mm²	22.3	270.455	741.854
222	29X1.0mm²	23.5	340.42	852.828
223	29X1.5mm²	25.8	481.191	1077.6
224	29X2.5mm²	29.2	758.531	1486.88
225	30X0.5mm²	21.1	201.634	636.379
226	30X0.75mm²	22.3	277.3	753.424
227	30X1.0mm²	23.5	349.547	866.849
228	30X1.5mm²	25.8	494.88	1096.638
229	30X2.5mm²	29.2	781.347	1515.768
230	31X0.5mm²	21.9	209.026	671.279
231	31X0.75mm²	23.3	287.275	799.607
232	31X1.0mm²	24.5	361.963	918.444
233	31X1.5mm²	26.9	512.179	1159.232
234	31X2.5mm²	30.4	808.362	1590.709
235	32X0.5mm²	21.9	213.518	680.166
236	32X0.75mm²	23.3	294.119	811.178
237	32X1.0mm²	24.5	371.089	932.466
238	32X1.5mm²	27	525.869	1184.949
239	32X2.5mm²	30.4	831.178	1619.597
240	33X0.5mm²	21.9	218.01	689.053
241	33X0.75mm²	23.3	300.964	822.749
242	33X1.0mm²	24.5	380.215	946.487
243	33X1.5mm²	27	539.558	1203.987
244	33X2.5mm²	30.4	853.993	1648.486
245	34X0.5mm²	22.8	225.512	725.827
246	34X0.75mm²	24.4	311.059	871.52
247	34X1.0mm²	25.5	393.182	991.541
248	34X1.5mm²	28	557.047	1256.285
249	34X2.5mm²	31.8	881.209	1742.606
250	35X0.5mm²	22.8	230.003	734.714
251	35X0.75mm²	24.4	317.903	883.091
252	35X1.0mm²	25.5	402.308	1005.562
253	35X1.5mm²	28	570.737	1275.323
254	35X2.5mm²	31.8	904.024	1771.495
255	36X0.5mm²	22.8	234.495	743.601
256	36X0.75mm²	24.4	324.748	894.661
257	36X1.0mm²	25.5	411.434	1019.583
258	36X1.5mm²	28	584.426	1294.361

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	31.8	926.84	1800.384
260	37X0.5mm²	22.8	238.987	752.488
261	37X0.75mm²	24.4	331.593	906.232
262	37X1.0mm²	25.5	420.56	1033.605
263	37X1.5mm²	28	598.115	1313.399
264	37X2.5mm²	31.8	949.656	1829.273
265	2X1.5mm²+1.0mm²E	10.9	57.125	176.453
266	2X2.5mm²+1.5mm²E	11.8	82.62	218.409
267	2X4mm²+2.5mm²E	13.6	124.547	296.431
268	2X6mm²+4.0mm²E	15	176.854	378.887
269	2X10mm²+6.0mm²E	17.8	276.543	541.09
270	2X16mm²+10mm²E	20.8	446.508	778.358
271	2X25mm²+16mm²E	24.3	678.73	1108.45
272	2X35mm²+16mm²E	27	869.95	1378.4
273	2X50mm²+25mm²E	32.1	1241.999	1942.738
274	2X70mm²+35mm²E	36.7	1741.771	2610.581
275	2X95mm²+50mm²E	42	2356.473	3468.957
276	2X120mm²+70mm²E	46	3007.533	4299.893
277	2X150mm²+70mm²E	50.6	3574.659	5129.084
278	2X185mm²+95mm²E	55.9	4460.937	6349.427
279	2X240mm²+120mm²E	62.8	5785.856	8128.858
280	3X1.5mm²+1.0mm²E	11.8	73.494	213.207
281	3X2.5mm²+1.5mm²E	12.8	108.406	266.961
282	3X4mm²+2.5mm²E	14.8	164.647	367.153
283	3X6mm²+4.0mm²E	16.4	235.216	474.519
284	3X10mm²+6.0mm²E	19.6	387.719	699.282
285	3X16mm²+10mm²E	22.8	599.708	991.748
286	3X25mm²+16mm²E	27	915.904	1444.721
287	3X35mm²+16mm²E	30.5	1199.564	1849.13
288	3X50mm²+25mm²E	36.1	1709.107	2595.296
289	3X70mm²+35mm²E	41.2	2395.594	3493.503
290	3X95mm²+50mm²E	47.3	3241.03	4660.244
291	3X120mm²+70mm²E	51.8	4120.978	5754.885
292	3X150mm²+70mm²E	56.4	4961.767	6879.257
293	3X185mm²+95mm²E	62.6	6238.592	8582.361
294	3X240mm²+120mm²E	70.1	8006.222	10895.174
295	4X1.5mm²+1.0mm²E	12.7	89.854	248.586
296	4X2.5mm²+1.5mm²E	13.9	134.492	318.026
297	4X4mm²+2.5mm²E	16.2	205.348	445.184
298	4X6mm²+4.0mm²E	18	293.578	578.654
299	4X10mm²+6.0mm²E	21.8	486.945	865.701
300	4X16mm²+10mm²E	25.1	754.089	1219.463
301	4X25mm²+16mm²E	30	1154.258	1795.873
302	4X35mm²+16mm²E	34.2	1531.169	2334.19
303	4X50mm²+25mm²E	40.4	2212.194	3297.382
304	4X70mm²+35mm²E	45.7	3052.387	4377.044
305	4X95mm²+50mm²E	52.6	4128.558	5849.09
306	4X120mm²+70mm²E	57.8	5236.914	7241.314
307	4X150mm²+70mm²E	63.6	6424.045	8856.718
308	4X185mm²+95mm²E	70.4	7961.157	10917.015
309	4X240mm²+120mm²E	78.8	10234.637	13859.341

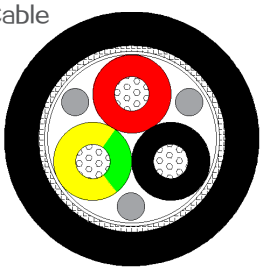
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/X-90/OS/5V-90

SAA 认证 XLPE 绝缘 PVC 护套柔性屏蔽动力电缆

SAA Certified XLPE Insulated PVC Sheathed Flexible Shielded Power Cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

通常用于 0.6/1kV 低压系统，符合澳大利亚和新西兰电网的住宅及一般工商业电压要求。可用于建筑物内部的固定电力布线，如住宅、商业楼宇、工业厂房的配电系统。还能用于连接配电盘、开关设备、照明系统、插座等，还可用于开关柜及控制面板布线，以及活动房和房车等有保护管槽内的固定布线。屏蔽线可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

Generally used in 0.6/1kV low-voltage systems, complying with the voltage requirements for residential, general industrial and commercial applications in the Australian and New Zealand power grids. Suitable for fixed power wiring inside buildings, such as power distribution systems in residences, commercial buildings, and industrial plants. It can also be used to connect distribution boards, switchgear, lighting systems, sockets, etc., as well as for wiring in switch cabinets and control panels, and fixed wiring in protected ducts or troughs in mobile homes and caravans. Shielded wires can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certified;
conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
X-90 芯线绝缘，符合 AS/NZS 3808；
镀锡铜丝编织屏蔽，密度 80%以上；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

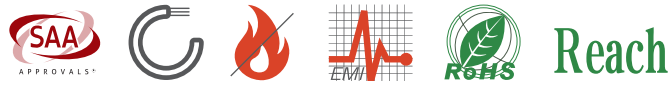
Bare copper, conform to AS/NZS 1125 (Class 5);
X-90 core insulation, conform to AS/NZS 3808;
Tinned copper wire braided shield with a density of over 80%;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：10X 电缆直径。

Technical parameters

Core identification:
In accordance with AS/NZS 5000.1 requirements;
Conductor resistance:
conform to AS/NZS 1125 standards;
Rated temperature: 90℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range: Fixed installation: -15 to +90℃;
Minimum bending radius: 10× cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	6.6	12	59
2	1X0.75mm²	6.8	14	64
3	1X1.0mm²	6.9	16	68
4	1X1.5mm²	7.2	22	78
5	1X2.5mm²	7.7	32	94
6	1X4.0mm²	8.2	47	115
7	1X6.0mm²	8.8	66	142
8	1X10mm²	10.2	110	205
9	1X16mm²	11.3	169	277
10	1X25mm²	13.2	257	399
11	1X35mm²	14.7	352	518
12	1X50mm²	16.5	495	692
13	1X70mm²	18.7	684	923
14	1X95mm²	20.9	937	1208
15	1X120mm²	23.0	1172	1491
16	1X150mm²	25.3	1457	1835
17	1X185mm²	28.1	1787	2257
18	1X240mm²	31.0	2303	2842
19	2X0.5mm²	9.0	21	102
20	2X0.75mm²	9.4	30	116
21	2X1.0mm²	9.7	35	126
22	2X1.5mm²	10.3	46	146
23	2X2.5mm²	11.3	67	182
24	2X4.0mm²	12.3	98	227
25	2X6.0mm²	13.5	136	285
26	2X10mm²	16.5	221	425
27	2X16mm²	18.7	337	580
28	2X25mm²	23.1	532	888
29	2X35mm²	26.4	727	1172
30	2X50mm²	30.7	1016	1607
31	2X70mm²	35.3	1400	2148
32	2X95mm²	40.2	1908	2846
33	2X120mm²	44.4	2383	3509
34	2X150mm²	49.4	2958	4337
35	2X185mm²	54.6	3623	5301
36	2X240mm²	61.0	4726	6780
37	3X0.5mm²	9.4	30	117
38	3X0.75mm²	9.8	38	132
39	3X1.0mm²	10.1	46	144
40	3X1.5mm²	10.8	61	170
41	3X2.5mm²	11.8	92	217
42	3X4.0mm²	12.9	136	278
43	3X6.0mm²	14.3	192	358
44	3X10mm²	17.4	315	538
45	3X16mm²	20.2	503	778
46	3X25mm²	24.7	768	1161
47	3X35mm²	27.9	1054	1530
48	3X50mm²	32.8	1483	2124
49	3X70mm²	38.1	2082	2921
50	3X95mm²	42.8	2792	3806
51	3X120mm²	47.5	3496	4734
52	3X150mm²	52.9	4348	5865

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	58.2	5336	7151
54	3X240mm²	65.2	6951	9179
55	4X0.5mm²	10.0	36	134
56	4X0.75mm²	10.5	47	152
57	4X1.0mm²	10.8	57	168
58	4X1.5mm²	11.5	77	200
59	4X2.5mm²	12.7	117	260
60	4X4.0mm²	14.0	176	337
61	4X6.0mm²	15.5	250	439
62	4X10mm²	18.9	412	663
63	4X16mm²	22.1	657	978
64	4X25mm²	27.3	1007	1482
65	4X35mm²	30.9	1386	1959
66	4X50mm²	36.2	1953	2721
67	4X70mm²	41.9	2741	3721
68	4X95mm²	47.3	3683	4888
69	4X120mm²	52.6	4618	6097
70	4X150mm²	58.8	5813	7654
71	4X185mm²	64.9	7131	9362
72	4X240mm²	72.5	9193	11898
73	5X0.5mm²	10.6	42	152
74	5X0.75mm²	11.2	56	174
75	5X1.0mm²	11.6	68	193
76	5X1.5mm²	12.4	94	232
77	5X2.5mm²	13.8	143	305
78	5X4.0mm²	15.1	216	400
79	5X6.0mm²	16.9	308	527
80	5X10mm²	20.9	525	823
81	5X16mm²	24.5	812	1195
82	5X25mm²	30.1	1247	1812
83	5X35mm²	34.5	1720	2423
84	5X50mm²	40.3	2460	3386
85	5X70mm²	46.5	3403	4601
86	5X95mm²	52.5	4577	6045
87	5X120mm²	58.4	5743	7551
88	5X150mm²	65.3	7224	9469
89	5X185mm²	71.9	8867	11546
90	5X240mm²	80.4	11438	14703
91	6X0.5mm²	11.4	49	172
92	6X0.75mm²	12.0	65	198
93	6X1.0mm²	12.4	80	220
94	6X1.5mm²	13.3	110	266
95	6X2.5mm²	14.8	169	352
96	6X4.0mm²	16.3	256	464
97	6X6.0mm²	18.2	365	613
98	7X0.5mm²	11.4	53	178
99	7X0.75mm²	12.0	72	207
100	7X1.0mm²	12.4	89	231
101	7X1.5mm²	13.3	124	281
102	7X2.5mm²	14.8	192	377
103	7X4.0mm²	16.3	292	503

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	18.2	419	668
105	8X0.5mm²	12.3	60	203
106	8X0.75mm²	12.9	81	236
107	8X1.0mm²	13.4	101	264
108	8X1.5mm²	14.4	140	322
109	8X2.5mm²	16.1	218	432
110	8X4.0mm²	17.7	333	576
111	8X6.0mm²	20.1	494	789
112	9X0.5mm²	13.0	67	224
113	9X0.75mm²	13.7	90	261
114	9X1.0mm²	14.3	112	293
115	9X1.5mm²	15.3	157	358
116	9X2.5mm²	17.1	244	482
117	9X4.0mm²	19.0	373	645
118	9X6.0mm²	21.5	553	884
119	10X0.5mm²	13.9	74	249
120	10X0.75mm²	14.7	100	291
121	10X1.0mm²	15.3	125	326
122	10X1.5mm²	16.5	174	400
123	10X2.5mm²	18.5	271	540
124	10X4.0mm²	20.9	431	752
125	10X6.0mm²	23.3	614	991
126	11X0.5mm²	13.9	79	256
127	11X0.75mm²	14.7	107	299
128	11X1.0mm²	15.3	134	338
129	11X1.5mm²	16.5	188	416
130	11X2.5mm²	18.5	294	565
131	11X4.0mm²	20.9	467	790
132	11X6.0mm²	23.3	668	1046
133	12X0.5mm²	14.3	84	270
134	12X0.75mm²	15.1	115	317
135	12X1.0mm²	15.7	144	358
136	12X1.5mm²	17.0	203	442
137	12X2.5mm²	19.0	318	603
138	12X4.0mm²	21.7	506	857
139	12X6.0mm²	24.2	725	1135
140	13X0.5mm²	14.9	91	289
141	13X0.75mm²	15.8	124	341
142	13X1.0mm²	16.4	155	385
143	13X1.5mm²	17.7	219	477
144	13X2.5mm²	20.1	360	669
145		14.9	95	296
146	14X0.75mm²	15.8	131	350
147	14X1.0mm²	16.4	165	397
148	14X1.5mm²	17.8	232	493
149	14X2.5mm²	20.3	383	700
150	15X0.5mm²	15.2	100	309
151	15X0.75mm²	16.1	138	366
152	15X1.0mm²	16.8	175	416
153	15X1.5mm²	18.1	247	518
154	15X2.5mm²	20.6	407	732
155	16X0.5mm²	15.5	106	324

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	16.5	146	384
157	16X1.0mm²	17.2	185	437
158	16X1.5mm²	18.6	262	545
159	16X2.5mm²	21.4	432	782
160	17X0.5mm²	16.3	113	346
161	17X0.75mm²	17.3	156	411
162	17X1.0mm²	18.0	197	468
163	17X1.5mm²	19.7	294	602
164	17X2.5mm²	22.4	459	838
165	18X0.5mm²	16.3	117	353
166	18X0.75mm²	17.3	162	420
167	18X1.0mm²	18.0	206	479
168	18X1.5mm²	19.7	308	617
169	18X2.5mm²	22.4	482	863
170	19X0.5mm²	16.3	122	359
171	19X0.75mm²	17.3	169	429
172	19X1.0mm²	18.0	215	490
173	19X1.5mm²	19.7	322	633
174	19X2.5mm²	22.4	505	888
175	20X0.5mm²	17.0	128	382
176	20X0.75mm²	18.0	178	456
177	20X1.0mm²	19.0	226	524
178	20X1.5mm²	20.8	339	684
179	20X2.5mm²	23.5	532	945
180	21X0.5mm²	17.0	133	389
181	21X0.75mm²	18.0	185	465
182	21X1.0mm²	18.8	236	533
183	21X1.5mm²	20.8	353	700
184	21X2.5mm²	23.5	555	970
185	22X0.5mm²	17.7	139	412
186	22X0.75mm²	18.8	194	494
187	22X1.0mm²	19.9	263	583
188	22X1.5mm²	21.7	370	742
189	22X2.5mm²	24.8	583	1040
190	23X0.5mm²	17.7	144	419
191	23X0.75mm²	18.8	201	503
192	23X1.0mm²	19.9	272	594
193	23X1.5mm²	21.7	384	758
194	23X2.5mm²	24.8	605	1065
195	24X0.5mm²	18.6	151	448
196	24X0.75mm²	20.0	227	555
197	24X1.0mm²	20.9	285	634
198	24X1.5mm²	22.9	402	808
199	24X2.5mm²	26.1	634	1127
200	25X0.5mm²	18.6	156	454
201	25X0.75mm²	20.0	234	563
202	25X1.0mm²	20.9	294	645
203	25X1.5mm²	22.9	416	823
204	25X2.5mm²	26.1	656	1152
205	26X0.5mm²	18.6	160	461
206	26X0.75mm²	20.0	241	572

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	20.9	304	656
208	26X1.5mm²	22.9	429	839
209	26X2.5mm²	26.1	679	1177
210	27X0.5mm²	19.0	166	476
211	27X0.75mm²	20.4	249	592
212	27X1.0mm²	21.5	314	690
213	27X1.5mm²	23.4	445	869
214	27X2.5mm²	26.6	704	1220
215	28X0.5mm²	19.0	170	483
216	28X0.75mm²	20.4	256	601
217	28X1.0mm²	21.5	323	701
218	28X1.5mm²	23.4	459	885
219	28X2.5mm²	26.6	727	1245
220	29X0.5mm²	19.8	192	522
221	29X0.75mm²	21.1	265	628
222	29X1.0mm²	22.2	335	732
223	29X1.5mm²	24.3	476	931
224	29X2.5mm²	27.7	753	1314
225	30X0.5mm²	19.8	197	529
226	30X0.75mm²	21.1	272	637
227	30X1.0mm²	22.2	344	744
228	30X1.5mm²	24.3	490	946
229	30X2.5mm²	27.7	776	1339
230	31X0.5mm²	20.5	204	559
231	31X0.75mm²	22.0	282	677
232	31X1.0mm²	23.0	357	778
233	31X1.5mm²	25.2	507	989
234	31X2.5mm²	28.9	803	1406
235	32X0.5mm²	20.5	208	565
236	32X0.75mm²	22.0	289	686
237	32X1.0mm²	23.0	366	789
238	32X1.5mm²	25.3	521	1011
239	32X2.5mm²	28.9	826	1431
240	33X0.5mm²	20.5	213	572
241	33X0.75mm²	22.0	296	695
242	33X1.0mm²	23.0	375	800
243	33X1.5mm²	25.3	534	1027
244	33X2.5mm²	28.9	849	1456
245	34X0.5mm²	21.4	220	603
246	34X0.75mm²	22.8	306	727
247	34X1.0mm²	23.9	388	839
248	34X1.5mm²	26.2	551	1072
249	34X2.5mm²	30.0	876	1526
250	35X0.5mm²	21.4	224	610
251	35X0.75mm²	22.8	312	735
252	35X1.0mm²	23.9	397	850
253	35X1.5mm²	26.4	565	1101
254	35X2.5mm²	30.2	898	1566
255	36X0.5mm²	21.4	229	616
256	36X0.75mm²	22.8	319	744
257	36X1.0mm²	23.9	406	861
258	36X1.5mm²	26.4	579	1117

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	30.2	921	1591
260	37X0.5mm²	21.4	233	622
261	37X0.75mm²	22.8	326	753
262	37X1.0mm²	23.9	415	872
263	37X1.5mm²	26.4	593	1133
264	37X2.5mm²	30.2	944	1616
265	2X1.5mm²+1.0mm²E	10.6	56	161
266	2X2.5mm²+1.5mm²E	11.5	82	201
267	2X4mm²+2.5mm²E	12.6	122	258
268	2X6mm²+4.0mm²E	13.8	174	329
269	2X10mm²+6.0mm²E	16.5	273	477
270	2X16mm²+10mm²E	19.2	426	683
271	2X25mm²+16mm²E	23.2	674	1025
272	2X35mm²+16mm²E	25.9	866	1278
273	2X50mm²+25mm²E	30.5	1236	1799
274	2X70mm²+35mm²E	35.1	1706	2425
275	2X95mm²+50mm²E	39.9	2346	3229
276	2X120mm²+70mm²E	44.4	3000	4070
277	2X150mm²+70mm²E	48.9	3566	4860
278	2X185mm²+95mm²E	54.2	4453	6029
279	2X240mm²+120mm²E	60.6	5772	7703
280	3X1.5mm²+1.0mm²E	11.4	72	192
281	3X2.5mm²+1.5mm²E	12.5	108	246
282	3X4mm²+2.5mm²E	13.7	161	318
283	3X6mm²+4.0mm²E	15.1	231	413
284	3X10mm²+6.0mm²E	18.2	369	610
285	3X16mm²+10mm²E	21.4	594	898
286	3X25mm²+16mm²E	25.8	911	1333
287	3X35mm²+16mm²E	29.0	1194	1711
288	3X50mm²+25mm²E	34.3	1702	2403
289	3X70mm²+35mm²E	39.5	2388	3267
290	3X95mm²+50mm²E	44.6	3230	4301
291	3X120mm²+70mm²E	49.7	4112	5417
292	3X150mm²+70mm²E	54.6	4953	6532
293	3X185mm²+95mm²E	60.6	6226	8281
294	3X240mm²+120mm²E	67.6	7991	10471
295	4X1.5mm²+1.0mm²E	12.2	88	225
296	4X2.5mm²+1.5mm²E	13.5	133	291
297	4X4mm²+2.5mm²E	15.0	202	386
298	4X6mm²+4.0mm²E	16.6	289	504
299	4X10mm²+6.0mm²E	20.3	481	772
300	4X16mm²+10mm²E	23.5	748	1103
301	4X25mm²+16mm²E	28.6	1149	1657
302	4X35mm²+16mm²E	32.3	1524	2149
303	4X50mm²+25mm²E	38.4	2202	3053
304	4X70mm²+35mm²E	43.9	3045	4102
305	4X95mm²+50mm²E	49.8	4116	5428
306	4X120mm²+70mm²E	55.7	5227	6853
307	4X150mm²+70mm²E	61.3	6411	8373
308	4X185mm²+95mm²E	68.0	7948	10332
309	4X240mm²+120mm²E	76.0	10217	13132

动力电缆 POWER CABLE 03

PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

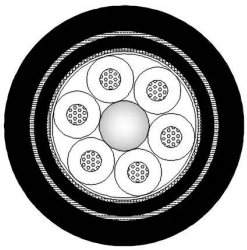
FNFLEX-JCY-PVC
NYCY
VFD-HRJMCE-S
N2XCY
CU/PVC/OS/PVC/STA/PVC
CU/PVC/OS/PVC/SWA/PVC
CU/XLPE/OS/PVC/STA/PVC
CU/XLPE/OS/PVC/SWA/PVC
AWM 2570-S
AWM 2586-S
AS/NZS 5000.1 CU/V-90/OS/5V-90
AS/NZS 5000.1 CU/X-90/OS/5V-90
AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA

SAA 认证 PVC 绝缘 PVC 内外护套钢丝铠装屏蔽安装动力电缆

SAA Certified PVC Insulated PVC Inner and Outer Sheathed Steel Wire Armoured Shielded Installation Power Cable



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

产品特性

阻燃性符合 IEC60332-1-2；
机械强度高，耐机械损伤；
抗拉伸性能优异；
高屏蔽效能，抗电磁干扰。

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808；
镀锡铜丝编织屏蔽，密度 80%以上；
5V-90 内护套，符合 AS/NZS 3808；
镀锌钢丝铠装；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：12X 电缆直径。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, and can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties such as petrochemical, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
High mechanical strength, resistance to mechanical damage;
Excellent tensile resistance;
High shielding efficiency, anti-electromagnetic interference.

Technical certification

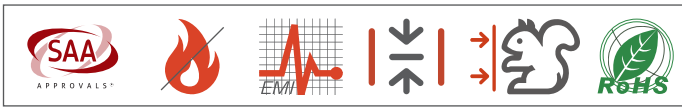
SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
V-90 core insulation, conform to AS/NZS 3808;
Tinned copper braided shield, with a density of over 80%;
5V-90 inner sheath, conform to AS/NZS 3808;
Galvanized steel wire armor;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

Technical parameters

Core identification: According to AS/NZS 5000.1 requirements;
Conductor resistance: conform to AS/NZS 1125 standard;
Rated temperature: 90℃;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range: Fixed installation: -15 to +90℃;
Minimum bending radius: 12X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	10.5	11.732	192
2	1X0.75mm²	10.7	14.155	202
3	1X1.0mm²	10.8	16.826	208
4	1X1.5mm²	11.1	22.109	223
5	1X2.5mm²	11.6	32.476	250
6	1X4.0mm²	12.5	48.441	301
7	1X6.0mm²	13.1	70.072	343
8	1X10mm²	14.5	111.977	432
9	1X16mm²	16.6	170.295	624
10	1X25mm²	18.4	258.432	804
11	1X35mm²	19.9	354.239	963
12	1X50mm²	22.7	497.435	1323
13	1X70mm²	24.7	686.219	1627
14	1X95mm²	27.7	940.541	2043
15	1X120mm²	29.8	1175.414	2411
16	1X150mm²	32.1	1460.375	2840
17	1X185mm²	35.7	1790.468	3560
18	1X240mm²	39.7	2307.707	4420
19	2X0.5mm²	13.1	25.154	305
20	2X0.75mm²	13.5	31.039	323
21	2X1.0mm²	13.8	36.502	339
22	2X1.5mm²	14.4	47.409	375
23	2X2.5mm²	15.4	68.631	431
24	2X4.0mm²	18.1	101.431	646
25	2X6.0mm²	19.3	139.724	743
26	2X10mm²	22.9	223.834	1090
27	2X16mm²	25.4	356.47	1351
28	2X25mm²	29.9	537.125	1817
29	2X35mm²	34.2	731.699	2464
30	2X50mm²	39	1022.04	3139
31	2X70mm²	44	1435.498	3970
32	2X95mm²	50.6	1918.262	5371
33	2X120mm²	54.6	2391.387	6247
34	2X150mm²	59.2	2965.849	7338
35	2X185mm²	64.6	3630.606	8651
36	2X240mm²	71.4	4739.764	10550
37	3X0.5mm²	13.5	30.825	326
38	3X0.75mm²	13.9	39.164	352
39	3X1.0mm²	14.2	46.959	371
40	3X1.5mm²	14.9	62.588	410
41	3X2.5mm²	16.9	93.147	580
42	3X4.0mm²	18.8	140.082	730
43	3X6.0mm²	20.1	196.025	849
44	3X10mm²	23.9	318.691	1239
45	3X16mm²	26.6	507.885	1595
46	3X25mm²	31.5	772.437	2173
47	3X35mm²	35.9	1059.318	2920
48	3X50mm²	41.5	1489.325	3844
49	3X70mm²	47.3	2088.186	5170
50	3X95mm²	53.5	2802.254	6554
51	3X120mm²	57.5	3504.811	7689
52	3X150mm²	63.3	4356.904	9211

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	68.7	5409.374	10902
54	3X240mm²	77.5	6965.712	14222
55	4X0.5mm²	14.2	37.287	363
56	4X0.75mm²	14.6	48.119	389
57	4X1.0mm²	15	58.315	415
58	4X1.5mm²	16.6	78.737	554
59	4X2.5mm²	17.8	118.812	653
60	4X4.0mm²	20	180.162	837
61	4X6.0mm²	22.2	253.917	1085
62	4X10mm²	25.8	431.888	1479
63	4X16mm²	29.4	662.501	1926
64	4X25mm²	35.1	1011.68	2833
65	4X35mm²	39.8	1391.448	3598
66	4X50mm²	46.6	1993.209	5073
67	4X70mm²	52.2	2748.515	6397
68	4X95mm²	58.4	3695.165	8012
69	4X120mm²	63.3	4628.095	9473
70	4X150mm²	69.2	5824.598	11403
71	4X185mm²	76.7	7142.892	14284
72	4X240mm²	85.2	9208.989	17628
73	5X0.5mm²	14.9	43.949	397
74	5X0.75mm²	16.3	57.313	528
75	5X1.0mm²	16.7	69.911	560
76	5X1.5mm²	17.5	95.137	625
77	5X2.5mm²	18.9	144.778	739
78	5X4.0mm²	22	220.623	1054
79	5X6.0mm²	23.6	312.539	1242
80	5X10mm²	28.5	531.135	1765
81	5X16mm²	32.2	818.706	2287
82	5X25mm²	38.9	1251.952	3411
83	5X35mm²	43.9	1725.957	4302
84	5X50mm²	51.3	2469.724	6031
85	5X70mm²	56.8	3410.844	7566
86	5X95mm²	64.1	4590.406	9588
87	5X120mm²	69.1	5819.348	11382
88	5X150mm²	77.2	7237.003	14430
89	5X185mm²	84.2	8880.369	17167
90	5X240mm²	93.7	11456.656	21183
91	6X0.5mm²	16.6	50.691	529
92	6X0.75mm²	17.2	66.598	580
93	6X1.0mm²	17.6	81.617	616
94	6X1.5mm²	18.5	111.676	689
95	6X2.5mm²	20	170.893	828
96	6X4.0mm²	23.4	261.263	1173
97	6X6.0mm²	25.4	386.891	1421
98	7X0.5mm²	16.6	55.183	538
99	7X0.75mm²	17.2	73.443	591
100	7X1.0mm²	17.6	90.744	630
101	7X1.5mm²	18.5	125.365	708
102	7X2.5mm²	20	193.709	857
103	7X4.0mm²	23.4	297.804	1219

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	25.4	440.792	1485
105	8X0.5mm²	17.5	62.295	600
106	8X0.75mm²	18.2	83.077	649
107	8X1.0mm²	18.7	102.79	691
108	8X1.5mm²	19.7	142.265	788
109	8X2.5mm²	22	220.174	1057
110	8X4.0mm²	25.2	354.614	1397
111	8X6.0mm²	27.2	501.384	1673
112	9X0.5mm²	18.3	69.106	649
113	9X0.75mm²	19	92.452	703
114	9X1.0mm²	19.6	114.586	759
115	9X1.5mm²	20.7	158.864	854
116	9X2.5mm²	23.2	246.38	1152
117	9X4.0mm²	26.6	396.775	1538
118	9X6.0mm²	29.6	561.626	1898
119	10X0.5mm²	19.3	76.538	704
120	10X0.75mm²	20.1	102.447	773
121	10X1.0mm²	20.7	127.042	824
122	10X1.5mm²	22.6	176.243	1049
123	10X2.5mm²	24.6	273.446	1273
124	10X4.0mm²	29.2	440.375	1750
125	10X6.0mm²	32.2	624.288	2144
126	11X0.5mm²	19.3	81.03	713
127	11X0.75mm²	20.1	109.291	784
128	11X1.0mm²	20.7	136.168	838
129	11X1.5mm²	22.6	189.933	1068
130	11X2.5mm²	24.6	296.261	1302
131	11X4.0mm²	29.2	476.916	1795
132	11X6.0mm²	32.2	678.189	2207
133	12X0.5mm²	19.7	86.712	743
134	12X0.75mm²	20.5	117.406	818
135	12X1.0mm²	21.1	146.635	875
136	12X1.5mm²	23.1	205.102	1118
137	12X2.5mm²	25.4	336.747	1384
138	12X4.0mm²	29.9	516.266	1884
139	12X6.0mm²	33	735.301	2320
140	13X0.5mm²	20.4	93.164	780
141	13X0.75mm²	21.2	126.361	869
142	13X1.0mm²	22.6	157.991	1041
143	13X1.5mm²	23.9	221.261	1178
144	13X2.5mm²	26.3	6973.602	8087
145	14X0.5mm²	20.4	97.685	799
146	14X0.75mm²	21.3	133.235	881
147	14X1.0mm²	22.6	167.177	1056
148	14X1.5mm²	23.9	234.981	1214
149	14X2.5mm²	26.4	386.258	1506
150	15X0.5mm²	20.7	103.157	817
151	15X0.75mm²	22.3	141.15	1008
152	15X1.0mm²	23	177.393	1097
153	15X1.5mm²	24.4	249.92	1246
154	15X2.5mm²	26.8	410.983	1567
155	16X0.5mm²	21.1	108.809	847

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	22.7	149.245	1048
157	16X1.0mm²	23.4	187.83	1140
158	16X1.5mm²	25	280.679	1331
159	16X2.5mm²	28.2	436.019	1686
160	17X0.5mm²	22.6	115.561	1009
161	17X0.75mm²	23.6	158.529	1116
162	17X1.0mm²	24.3	199.546	1197
163	17X1.5mm²	26	298.179	1398
164	17X2.5mm²	29.3	463.224	1788
165	18X0.5mm²	22.6	120.053	1018
166	18X0.75mm²	23.6	165.374	1128
167	18X1.0mm²	24.3	208.672	1211
168	18X1.5mm²	26	311.868	1417
169	18X2.5mm²	29.3	486.04	1817
170	19X0.5mm²	22.6	124.544	1026
171	19X0.75mm²	23.6	172.219	1139
172	19X1.0mm²	24.3	217.798	1225
173	19X1.5mm²	26	325.557	1436
174	19X2.5mm²	29.3	508.856	1846
175	20X0.5mm²	23.3	131.356	1074
176	20X0.75mm²	24.4	181.563	1193
177	20X1.0mm²	25.4	245.524	1318
178	20X1.5mm²	27	343.127	1520
179	20X2.5mm²	30.8	536.551	1981
180	21X0.5mm²	23.3	135.848	1083
181	21X0.75mm²	24.4	188.408	1204
182	21X1.0mm²	25.4	254.651	1332
183	21X1.5mm²	27	356.816	1539
184	21X2.5mm²	30.8	559.367	2010
185	22X0.5mm²	24.1	142.65	1148
186	22X0.75mm²	25.4	213.823	1294
187	22X1.0mm²	26.3	267.347	1408
188	22X1.5mm²	28.8	374.385	1680
189	22X2.5mm²	32.2	587.092	2140
190	23X0.5mm²	24.1	147.142	1157
191	23X0.75mm²	25.4	220.667	1305
192	23X1.0mm²	26.3	276.473	1422
193	23X1.5mm²	28.8	388.075	1699
194	23X2.5mm²	32.2	609.908	2169
195	24X0.5mm²	25.3	170.484	1248
196	24X0.75mm²	26.5	231.712	1384
197	24X1.0mm²	28.2	290.029	1561
198	24X1.5mm²	30	406.684	1797
199	24X2.5mm²	34.4	638.393	2500
200	25X0.5mm²	25.3	174.975	1257
201	25X0.75mm²	26.5	238.557	1396
202	25X1.0mm²	28.2	299.156	1575
203	25X1.5mm²	30	420.373	1816
204	25X2.5mm²	34.4	661.209	2529
205	26X0.5mm²	25.3	179.467	1266
206	26X0.75mm²	26.5	245.401	1407

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	28.2	308.282	1589
208	26X1.5mm²	30	434.063	1835
209	26X2.5mm²	34.4	684.024	2558
210	27X0.5mm²	25.7	185.549	1304
211	27X0.75mm²	26.9	253.946	1450
212	27X1.0mm²	28.6	319.198	1636
213	27X1.5mm²	30.9	449.732	1919
214	27X2.5mm²	35	709.09	2636
215	28X0.5mm²	25.7	190.041	1313
216	28X0.75mm²	26.9	260.791	1461
217	28X1.0mm²	28.6	328.324	1650
218	28X1.5mm²	30.5	463.421	1908
219	28X2.5mm²	35	731.906	2665
220	29X0.5mm²	26.4	197.143	1360
221	29X0.75mm²	28.4	270.455	1569
222	29X1.0mm²	29.4	340.42	1708
223	29X1.5mm²	31.9	481.191	2031
224	29X2.5mm²	36.5	758.531	2814
225	30X0.5mm²	26.4	201.634	1368
226	30X0.75mm²	28.4	277.3	1580
227	30X1.0mm²	29.4	349.547	1722
228	30X1.5mm²	31.9	494.88	2050
229	30X2.5mm²	35.9	781.347	2789
230	31X0.5mm²	27.1	209.026	1418
231	31X0.75mm²	29.2	287.275	1653
232	31X1.0mm²	30.6	361.963	1829
233	31X1.5mm²	32.8	512.179	2138
234	31X2.5mm²	37.4	808.362	2947
235	32X0.5mm²	27.1	213.518	1427
236	32X0.75mm²	29.2	294.119	1665
237	32X1.0mm²	30.6	371.089	1843
238	32X1.5mm²	32.8	525.869	2157
239	32X2.5mm²	38	831.178	3032
240	33X0.5mm²	27.1	218.01	1436
241	33X0.75mm²	29.2	300.964	1676
242	33X1.0mm²	30.6	380.215	1857
243	33X1.5mm²	32.8	539.558	2176
244	33X2.5mm²	38	853.993	3061
245	34X0.5mm²	28.7	225.512	1559
246	34X0.75mm²	30.1	311.059	1751
247	34X1.0mm²	31.6	393.182	1942
248	34X1.5mm²	34.6	557.047	2463
249	34X2.5mm²	39.1	881.209	3192
250	35X0.5mm²	28.7	230.003	1568
251	35X0.75mm²	30.1	317.903	1763
252	35X1.0mm²	31.6	402.308	1956
253	35X1.5mm²	34.6	570.737	2482
254	35X2.5mm²	39.1	904.024	3221
255	36X0.5mm²	28.7	234.495	1577
256	36X0.75mm²	30.1	324.748	1774
257	36X1.0mm²	31.6	411.434	1970
258	36X1.5mm²	34.6	584.426	2501

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	39.1	926.84	3250
260	37X0.5mm²	28.7	238.987	1586
261	37X0.75mm²	30.1	331.593	1786
262	37X1.0mm²	31.6	420.56	1984
263	37X1.5mm²	34.6	598.115	2520
264	37X2.5mm²	39.1	949.656	3279
265	2X1.5mm²+1.0mm²E	14.7	57.125	399
266	2X2.5mm²+1.5mm²E	16.5	82.62	551
267	2X4mm²+2.5mm²E	18.3	124.547	678
268	2X6mm²+4.0mm²E	19.7	176.854	808
269	2X10mm²+6.0mm²E	23.2	276.543	1164
270	2X16mm²+10mm²E	26.4	446.508	1514
271	2X25mm²+16mm²E	30	678.73	1984
272	2X35mm²+16mm²E	34	869.95	2579
273	2X50mm²+25mm²E	39.4	1241.999	3415
274	2X70mm²+35mm²E	43.7	1741.771	4271
275	2X95mm²+50mm²E	50.7	2356.473	5819
276	2X120mm²+70mm²E	54.3	3007.533	6836
277	2X150mm²+70mm²E	58.9	3574.659	7907
278	2X185mm²+95mm²E	65	4460.937	9540
279	2X240mm²+120mm²E	71.7	5785.856	11640
280	3X1.5mm²+1.0mm²E	16.5	73.494	546
281	3X2.5mm²+1.5mm²E	17.5	108.406	635
282	3X4mm²+2.5mm²E	19.5	164.647	786
283	3X6mm²+4.0mm²E	21.1	235.216	942
284	3X10mm²+6.0mm²E	24.9	387.719	1375
285	3X16mm²+10mm²E	28.5	599.708	1811
286	3X25mm²+16mm²E	33.1	915.904	2452
287	3X35mm²+16mm²E	37.8	1199.564	3232
288	3X50mm²+25mm²E	43.2	1709.107	4219
289	3X70mm²+35mm²E	49.6	2395.594	5767
290	3X95mm²+50mm²E	55.6	3241.03	7252
291	3X120mm²+70mm²E	60.2	4120.978	8596
292	3X150mm²+70mm²E	65.5	4961.767	10074
293	3X185mm²+95mm²E	71.5	6238.592	12091
294	3X240mm²+120mm²E	80.9	8006.222	15820
295	4X1.5mm²+1.0mm²E	17.4	89.854	606
296	4X2.5mm²+1.5mm²E	18.6	134.492	712
297	4X4mm²+2.5mm²E	20.9	205.348	911
298	4X6mm²+4.0mm²E	23.3	293.578	1197
299	4X10mm²+6.0mm²E	27	486.945	1610
300	4X16mm²+10mm²E	31.4	754.089	2162
301	4X25mm²+16mm²E	37.5	1154.258	3191
302	4X35mm²+16mm²E	41.7	1531.169	3926
303	4X50mm²+25mm²E	49.1	2212.194	5553
304	4X70mm²+35mm²E	54	3052.387	6871
305	4X95mm²+50mm²E	62.1	4128.558	8903
306	4X120mm²+70mm²E	66.8	5236.914	10515
307	4X150mm²+70mm²E	72.3	6424.045	12382
308	4X185mm²+95mm²E	81	7961.157	15809
309	4X240mm²+120mm²E	89.3	10234.637	19269

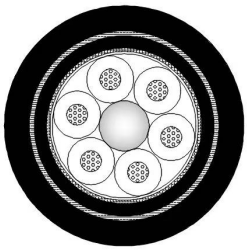
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA

SAA 认证 XLPE 绝缘 PVC 内外护套钢丝铠装屏蔽安装动力电缆

SAA Certified XLPE Insulated PVC Inner and Outer Sheathed Steel Wire Armoured Shielded Installation Power Cable



PVC 护套柔性屏蔽动力电缆

PVC SHEATHED FLEXIBLE SHIELDED POWER CABLE

- FNFLEX-JCY-PVC
- NYCY
- VFD-HRJMCE-S
- N2XCY
- CU/PVC/OS/PVC/STA/PVC
- CU/PVC/OS/PVC/SWA/PVC
- CU/XLPE/OS/PVC/STA/PVC
- CU/XLPE/OS/PVC/SWA/PVC
- AWM 2570-S
- AWM 2586-S
- AS/NZS 5000.1 CU/V-90/OS/5V-90
- AS/NZS 5000.1 CU/X-90/OS/5V-90
- AS/NZS 5000.1 CU/V-90/OS/5V-90 GSWA
- AS/NZS 5000.1 CU/X-90/OS/5V-90 GSWA



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, and can withstand mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties such as petrochemical, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions.

产品特性

阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗拉伸性能优异。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low capacitance design;
High mechanical strength, resistance to mechanical damage;
Excellent tensile resistance.

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
X-90 芯线绝缘，符合 AS/NZS 3808；
5V-90 内护套，符合 AS/NZS 3808；
镀锌钢丝铠装；
5V-90 外护套，符合 AS/NZS 3808；
外护套一般为黑色，其他颜色可选。

Cable structure

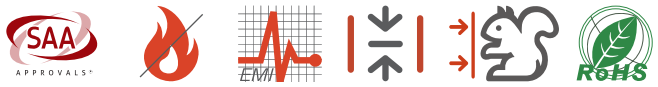
Bare copper, conform to AS/NZS 1125 standard (Class 5);
X-90 core insulation, conform to AS/NZS 3808;
5V-90 inner sheath, conform to AS/NZS 3808;
Galvanized steel wire armor;
5V-90 outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求；
导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：12X 电缆直径。

Technical parameters

Core identification: According to AS/NZS 5000.1 requirements;
Conductor resistance: conform to AS/NZS 1125 standard;
Rated temperature: 90℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range: Fixed installation: -15 to +90℃;
Minimum bending radius: 12X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	9.8	4	160
2	1X0.75mm²	10.0	7	169
3	1X1.0mm²	10.1	9	178
4	1X1.5mm²	10.4	14	192
5	1X2.5mm²	10.9	23	217
6	1X4.0mm²	11.4	37	247
7	1X6.0mm²	12.0	54	283
8	1X10mm²	13.4	92	365
9	1X16mm²	14.6	147	457
10	1X25mm²	17.4	229	706
11	1X35mm²	18.8	321	863
12	1X50mm²	20.7	458	1081
13	1X70mm²	23.6	641	1469
14	1X95mm²	25.6	871	1802
15	1X120mm²	27.9	1099	2162
16	1X150mm²	30.2	1375	2565
17	1X185mm²	33.0	1696	3068
18	1X240mm²	37.5	2200	4026
19	2X0.5mm²	12.2	9	257
20	2X0.75mm²	12.6	14	278
21	2X1.0mm²	12.9	18	294
22	2X1.5mm²	13.5	27	325
23	2X2.5mm²	14.5	46	384
24	2X4.0mm²	16.4	73	545
25	2X6.0mm²	17.6	108	642
26	2X10mm²	20.6	184	833
27	2X16mm²	23.5	293	1167
28	2X25mm²	28.2	459	1609
29	2X35mm²	31.5	642	2010
30	2X50mm²	36.4	916	2756
31	2X70mm²	41.8	1282	3591
32	2X95mm²	47.2	1741	4758
33	2X120mm²	52.0	2198	5708
34	2X150mm²	56.6	2749	6704
35	2X185mm²	62.0	3391	7958
36	2X240mm²	68.2	4400	9647
37	3X0.5mm²	12.6	13	277
38	3X0.75mm²	13.0	21	297
39	3X1.0mm²	13.3	27	315
40	3X1.5mm²	14.0	41	356
41	3X2.5mm²	15.0	68	425
42	3X4.0mm²	17.0	110	602
43	3X6.0mm²	18.3	162	728
44	3X10mm²	22.2	275	1074
45	3X16mm²	24.6	440	1373
46	3X25mm²	30.1	688	1965
47	3X35mm²	33.5	963	2461
48	3X50mm²	39.6	1374	3481
49	3X70mm²	44.0	1924	4385
50	3X95mm²	50.3	2612	5903
51	3X120mm²	54.8	3297	7029
52	3X150mm²	60.2	4124	8422

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	65.9	5087	10069
54	3X240mm²	72.8	6601	12327
55	4X0.5mm²	13.2	18	303
56	4X0.75mm²	13.7	27	332
57	4X1.0mm²	14.0	37	353
58	4X1.5mm²	14.7	55	401
59	4X2.5mm²	16.8	91	581
60	4X4.0mm²	18.1	146	695
61	4X6.0mm²	19.5	216	833
62	4X10mm²	23.8	367	1256
63	4X16mm²	26.8	587	1644
64	4X25mm²	32.4	918	2338
65	4X35mm²	37.6	1283	3243
66	4X50mm²	42.7	1832	4193
67	4X70mm²	49.7	2565	5846
68	4X95mm²	54.9	3483	7219
69	4X120mm²	59.9	4395	8653
70	4X150mm²	66.3	5499	10482
71	4X185mm²	72.4	6783	12494
72	4X240mm²	81.5	8801	16277
73	5X0.5mm²	13.8	22	333
74	5X0.75mm²	14.4	34	365
75	5X1.0mm²	14.8	46	394
76	5X1.5mm²	16.5	68	542
77	5X2.5mm²	17.9	114	652
78	5X4.0mm²	19.2	183	795
79	5X6.0mm²	20.8	270	967
80	5X10mm²	25.9	459	1470
81	5X16mm²	29.9	733	1981
82	5X25mm²	36.4	1147	3009
83	5X35mm²	41.3	1604	3863
84	5X50mm²	48.2	2290	5435
85	5X70mm²	54.2	3206	6940
86	5X95mm²	60.0	4354	8627
87	5X120mm²	65.9	5494	10441
88	5X150mm²	72.8	6874	12601
89	5X185mm²	81.1	8478	15958
90	5X240mm²	89.3	11001	19535
91	6X0.5mm²	14.6	27	368
92	6X0.75mm²	15.2	41	405
93	6X1.0mm²	16.5	55	531
94	6X1.5mm²	17.4	82	602
95	6X2.5mm²	18.9	137	737
96	6X4.0mm²	20.4	219	900
97	6X6.0mm²	22.9	323	1215
98	7X0.5mm²	14.6	31	371
99	7X0.75mm²	15.2	48	410
100	7X1.0mm²	16.5	64	537
101	7X1.5mm²	17.4	96	611
102	7X2.5mm²	18.9	160	753
103	7X4.0mm²	20.4	256	927

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	22.9	377	1256
105	8X0.5mm²	16.4	36	503
106	8X0.75mm²	17.0	55	547
107	8X1.0mm²	17.5	73	596
108	8X1.5mm²	18.5	110	676
109	8X2.5mm²	20.2	183	830
110	8X4.0mm²	22.5	292	1129
111	8X6.0mm²	24.5	431	1384
112	9X0.5mm²	17.1	40	545
113	9X0.75mm²	17.8	62	594
114	9X1.0mm²	18.4	82	647
115	9X1.5mm²	19.4	123	734
116	9X2.5mm²	21.2	205	912
117	9X4.0mm²	23.8	329	1233
118	9X6.0mm²	26.3	485	1538
119	10X0.5mm²	18.0	45	593
120	10X0.75mm²	18.8	68	656
121	10X1.0mm²	19.4	91	703
122	10X1.5mm²	20.6	137	809
123	10X2.5mm²	23.3	228	1110
124	10X4.0mm²	25.7	365	1389
125	10X6.0mm²	29.1	539	1777
126	11X0.5mm²	18.0	49	599
127	11X0.75mm²	18.8	75	664
128	11X1.0mm²	19.4	100	714
129	11X1.5mm²	20.6	151	825
130	11X2.5mm²	23.3	251	1135
131	11X4.0mm²	25.7	402	1427
132	11X6.0mm²	28.7	593	1803
133	12X0.5mm²	18.4	54	624
134	12X0.75mm²	19.2	82	693
135	12X1.0mm²	19.8	110	745
136	12X1.5mm²	21.1	164	862
137	12X2.5mm²	23.8	274	1191
138	12X4.0mm²	26.3	438	1500
139	12X6.0mm²	29.4	647	1899
140	13X0.5mm²	19.0	58	655
141	13X0.75mm²	19.9	89	728
142	13X1.0mm²	20.5	119	794
143	13X1.5mm²	22.5	178	1030
144	13X2.5mm²	24.7	297	1274
145	14X0.5mm²	19.0	63	662
146	14X0.75mm²	19.9	96	737
147	14X1.0mm²	20.5	128	806
148	14X1.5mm²	22.6	192	1046
149	14X2.5mm²	24.8	319	1300
150	15X0.5mm²	19.3	67	685
151	15X0.75mm²	20.2	103	764
152	15X1.0mm²	20.9	137	836
153	15X1.5mm²	22.9	205	1088
154	15X2.5mm²	25.2	342	1354
155	16X0.5mm²	19.6	72	710

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	20.6	110	793
157	16X1.0mm²	21.3	146	867
158	16X1.5mm²	23.4	219	1116
159	16X2.5mm²	26.2	365	1436
160	17X0.5mm²	20.4	76	744
161	17X0.75mm²	22.1	116	946
162	17X1.0mm²	22.8	155	1021
163	17X1.5mm²	24.3	233	1190
164	17X2.5mm²	27.6	388	1553
165	18X0.5mm²	20.4	81	751
166	18X0.75mm²	22.1	123	955
167	18X1.0mm²	22.8	164	1032
168	18X1.5mm²	24.3	246	1205
169	18X2.5mm²	27.6	411	1578
170	19X0.5mm²	20.4	85	757
171	19X0.75mm²	22.1	130	964
172	19X1.0mm²	22.8	173	1043
173	19X1.5mm²	24.3	260	1221
174	19X2.5mm²	27.6	433	1603
175	20X0.5mm²	21.1	90	802
176	20X0.75mm²	22.8	137	1010
177	20X1.0mm²	23.6	183	1109
178	20X1.5mm²	25.2	274	1296
179	20X2.5mm²	28.7	456	1696
180	21X0.5mm²	21.1	94	809
181	21X0.75mm²	22.8	144	1019
182	21X1.0mm²	23.6	192	1121
183	21X1.5mm²	25.2	287	1311
184	21X2.5mm²	28.7	479	1721
185	22X0.5mm²	22.5	99	965
186	22X0.75mm²	23.6	151	1081
187	22X1.0mm²	24.5	201	1171
188	22X1.5mm²	26.5	301	1413
189	22X2.5mm²	30.3	502	1851
190	23X0.5mm²	22.5	103	972
191	23X0.75mm²	23.6	157	1090
192	23X1.0mm²	24.5	210	1182
193	23X1.5mm²	26.5	315	1429
194	23X2.5mm²	30.3	525	1876
195	24X0.5mm²	23.4	108	1019
196	24X0.75mm²	24.6	164	1159
197	24X1.0mm²	25.9	219	1282
198	24X1.5mm²	28.1	329	1541
199	24X2.5mm²	31.7	548	1998
200	25X0.5mm²	23.4	112	1025
201	25X0.75mm²	24.6	171	1168
202	25X1.0mm²	25.9	228	1293
203	25X1.5mm²	28.1	342	1557
204	25X2.5mm²	31.3	570	1992
205	26X0.5mm²	23.4	117	1032
206	26X0.75mm²	24.6	178	1177

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	25.9	237	1304
208	26X1.5mm²	28.1	356	1572
209	26X2.5mm²	31.7	593	2048
210	27X0.5mm²	23.8	121	1064
211	27X0.75mm²	25.0	185	1197
212	27X1.0mm²	26.3	246	1344
213	27X1.5mm²	28.6	370	1620
214	27X2.5mm²	32.2	616	2109
215	28X0.5mm²	23.8	126	1071
216	28X0.75mm²	25.0	192	1206
217	28X1.0mm²	26.3	256	1355
218	28X1.5mm²	28.6	383	1636
219	28X2.5mm²	32.2	639	2134
220	29X0.5mm²	24.4	130	1111
221	29X0.75mm²	26.1	198	1292
222	29X1.0mm²	27.0	265	1420
223	29X1.5mm²	29.9	397	1746
224	29X2.5mm²	33.7	662	2275
225	30X0.5mm²	24.4	135	1117
226	30X0.75mm²	26.1	205	1301
227	30X1.0mm²	27.0	274	1432
228	30X1.5mm²	29.5	411	1733
229	30X2.5mm²	33.1	684	2251
230	31X0.5mm²	25.0	139	1175
231	31X0.75mm²	26.8	212	1349
232	31X1.0mm²	28.2	283	1511
233	31X1.5mm²	30.4	424	1794
234	31X2.5mm²	35.0	707	2551
235	32X0.5mm²	25.0	144	1182
236	32X0.75mm²	26.8	219	1358
237	32X1.0mm²	28.2	292	1522
238	32X1.5mm²	30.8	438	1840
239	32X2.5mm²	35.6	730	2628
240	33X0.5mm²	25.0	148	1188
241	33X0.75mm²	26.8	226	1367
242	33X1.0mm²	28.2	301	1533
243	33X1.5mm²	30.8	452	1856
244	33X2.5mm²	35.6	753	2653
245	34X0.5mm²	26.2	153	1257
246	34X0.75mm²	28.0	233	1459
247	34X1.0mm²	29.5	310	1636
248	34X1.5mm²	31.7	465	1937
249	34X2.5mm²	36.6	776	2746
250	35X0.5mm²	26.2	157	1264
251	35X0.75mm²	28.0	240	1468
252	35X1.0mm²	29.5	319	1647
253	35X1.5mm²	31.7	479	1952
254	35X2.5mm²	36.6	799	2771
255	36X0.5mm²	26.2	162	1270
256	36X0.75mm²	28.0	246	1477
257	36X1.0mm²	29.5	329	1659
258	36X1.5mm²	31.7	493	1968

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	36.6	821	2796
260	37X0.5mm²	26.2	166	1276
261	37X0.75mm²	28.0	253	1486
262	37X1.0mm²	29.5	338	1670
263	37X1.5mm²	31.7	507	1984
264	37X2.5mm²	36.6	844	2821
265	2X1.5mm²+1.0mm²E	13.8	37	342
266	2X2.5mm²+1.5mm²E	14.7	59	403
267	2X4mm²+2.5mm²E	16.7	96	580
268	2X6mm²+4.0mm²E	17.9	144	689
269	2X10mm²+6.0mm²E	20.7	236	890
270	2X16mm²+10mm²E	23.9	381	1266
271	2X25mm²+16mm²E	28.2	600	1745
272	2X35mm²+16mm²E	31.5	781	2148
273	2X50mm²+25mm²E	37.1	1135	3046
274	2X70mm²+35mm²E	41.7	1588	3873
275	2X95mm²+50mm²E	47.2	2178	5168
276	2X120mm²+70mm²E	51.7	2811	6224
277	2X150mm²+70mm²E	56.2	3358	7233
278	2X185mm²+95mm²E	62.3	4221	8824
279	2X240mm²+120mm²E	68.5	5446	10720
280	3X1.5mm²+1.0mm²E	14.6	50	388
281	3X2.5mm²+1.5mm²E	16.6	82	568
282	3X4mm²+2.5mm²E	17.8	132	664
283	3X6mm²+4.0mm²E	19.2	198	810
284	3X10mm²+6.0mm²E	23.0	327	1180
285	3X16mm²+10mm²E	26.4	527	1565
286	3X25mm²+16mm²E	31.2	827	2173
287	3X35mm²+16mm²E	35.2	1098	2869
288	3X50mm²+25mm²E	40.7	1588	3779
289	3X70mm²+35mm²E	46.7	2223	5154
290	3X95mm²+50mm²E	52.3	3040	6546
291	3X120mm²+70mm²E	56.9	3900	7820
292	3X150mm²+70mm²E	62.7	4719	9330
293	3X185mm²+95mm²E	68.5	5900	11167
294	3X240mm²+120mm²E	77.0	7625	14503
295	4X1.5mm²+1.0mm²E	16.3	64	533
296	4X2.5mm²+1.5mm²E	17.6	105	636
297	4X4mm²+2.5mm²E	19.0	169	768
298	4X6mm²+4.0mm²E	20.5	252	930
299	4X10mm²+6.0mm²E	24.8	418	1372
300	4X16mm²+10mm²E	29.1	672	1883
301	4X25mm²+16mm²E	35.0	1054	2803
302	4X35mm²+16mm²E	39.1	1416	3501
303	4X50mm²+25mm²E	44.7	2042	4584
304	4X70mm²+35mm²E	51.4	2858	6276
305	4X95mm²+50mm²E	58.5	3903	8078
306	4X120mm²+70mm²E	63.7	4988	9682
307	4X150mm²+70mm²E	69.2	6080	11391
308	4X185mm²+95mm²E	77.4	7579	14510
309	4X240mm²+120mm²E	85.5	9804	17877

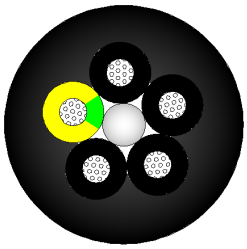
动力电缆 POWER CABLE

03

N2XH

CE 认证 标准型低烟无卤护套动力控制电缆

CE certified standard low smoke halogen-free sheathed power control cable



低烟无卤
动力电缆

LOW SMOKE HALOGEN-FREE POWER CABLE

- N2XH
- N2XCH
- CU/XLPE/LSHF/STA/LSHF
- CU/XLPE/LSHF/SWA/LSHF
- CU/XLPE/OS/LSHF/STA/LSHF
- CU/XLPE/OS/LSHF/SWA/LSHF
- AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP
- AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404。

技术认证

CE 认证，TUV 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
无纺布绕包；
特制无卤混合物外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 90℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment. In case of fire, they can protect personnel safety by reducing smoke density and corrosive gas, and are suitable for occasions with large population density and high property value.

Product characteristics

Halogen free according to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conforming to IEC61034-2;
Flame retardancy conforms to IEC60332-1-2;
Oil resistance shall comply with EN60811-404.

Technical certification

CE certification,TUV certified;;
Conform to IEC60502;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, Conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Non woven fabric wrapping;
Special halogen-free mixture outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance:
Conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: ＞ 20MΩx km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+90 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X1.5mm²	9.7	28	136
2	3G1.5mm²	10.2	41	159
3	4G1.5mm²	10.9	55	189
4	5G1.5mm²	11.8	69	224
5	6G1.5mm²	12.7	83	262
6	7G1.5mm²	12.7	97	274
7	8G1.5mm²	13.6	111	285
8	10G1.5mm²	15.7	138	360
9	12G1.5mm²	16.2	166	408
10	19G1.5mm²	18.7	263	588
11	25G1.5mm²	22.1	346	780
12	30G1.5mm²	23.3	415	904
13	37G1.5mm²	25.5	511	1103
14	2X2.5mm²	10.7	46	175
15	3G2.5mm²	11.3	69	209
16	4G2.5mm²	12.1	92	253
17	5G2.5mm²	13.2	115	303
18	6G2.5mm²	14.2	138	356
19	7G2.5mm²	14.2	161	376
20	8G2.5mm²	15.3	184	389
21	10G2.5mm²	17.7	230	491
22	12G2.5mm²	18.2	276	562
23	19G2.5mm²	21.2	438	827
24	25G2.5mm²	25.1	576	1094
25	30G2.5mm²	26.5	691	1278
26	37G2.5mm²	29.4	852	1591
27	2X4.0mm²	12.1	74	208
28	3G4.0mm²	12.8	111	265
29	4G4.0mm²	13.9	148	327
30	5G4.0mm²	15.1	184	392
31	2X6.0mm²	13.8	110	276
32	3G6.0mm²	14.6	165	357
33	4G6.0mm²	15.9	220	446
34	5G6.0mm²	17.3	274	538
35	2X10mm²	15.8	184	389
36	3G10mm²	16.8	275	514
37	4G10mm²	18.3	367	650
38	5G10mm²	20.0	459	791
39	2X16mm²	18.1	293	548

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
40	3G16mm²	19.3	440	738
41	4G16mm²	21.5	587	962
42	5G16mm²	23.6	733	1175
43	2X25mm²	22.1	459	828
44	3G25mm²	23.6	688	1123
45	4G25mm²	25.9	918	1439
46	5G25mm²	29.3	1147	1820
47	2X35mm²	25.3	642	1112
48	3G35mm²	27.0	963	1517
49	4G35mm²	30.0	1283	1976
50	5G35mm²	33.4	1604	2456
51	2X50mm²	29.4	916	1534
52	3G50mm²	31.3	1374	2104
53	4G50mm²	34.8	1832	2742
54	5G50mm²	38.7	2290	3406
55	2X70mm²	33.9	1283	2084
56	3G70mm²	36.1	1925	2872
57	4G70mm²	40.2	2567	3746
58	5G70mm²	44.7	3208	4652
59	2X95mm²	38.3	1741	2737
60	3G95mm²	40.9	2612	3790
61	4G95mm²	45.4	3483	4947
62	5G95mm²	50.5	4354	6144
63	2X120mm²	42.5	2200	3411
64	3G120mm²	45.8	3299	4778
65	4G120mm²	50.4	4399	6181
66	5G120mm²	56.9	5499	7784
67	2X150mm²	47.0	2749	4195
68	3G150mm²	50.3	4123	5847
69	4G150mm²	57.1	5497	7806
70	5G150mm²	63.3	6871	9679
71	2X185mm²	52.8	3387	5246
72	3G185mm²	56.9	5080	7344
73	4G185mm²	63.1	6774	9569
74	5G185mm²	70.0	8467	11868
75	2X240mm²	59.0	4389	6658
76	3G240mm²	63.1	6583	9284
77	4G240mm²	70.4	8778	12188
78	5G240mm²	78.3	10972	15159

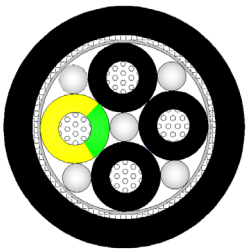
动力电缆 POWER CABLE

03

N2XCH

CE 认证 标准型低烟无卤护套屏蔽动力控制电缆

CE certified standard low smoke halogen-free sheathed shielded power control cable



低烟无卤
动力电缆

LOW SMOKE HALOGEN-FREE POWER CABLE

N2XH
N2XCH
CU/XLPE/LSHF/STA/LSHF
CU/XLPE/LSHF/SWA/LSHF
CU/XLPE/OS/LSHF/STA/LSHF
CU/XLPE/OS/LSHF/SWA/LSHF
AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP
AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合，适合需要抗电磁干扰的应用场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404。

技术认证

CE 认证，TUV 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
低烟无卤芯线绝缘；
镀锡编织屏蔽，大约 80% 覆盖率；
特制无卤混合物外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 90℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment. In case of fire, they protect personnel safety by reducing smoke density and corrosive gas. They are suitable for occasions with large population density and high property value, and for applications requiring anti electromagnetic interference.

Product characteristics

Halogen free conform to IEC60754-1 (total halogen acid gas);
Corrosivity of combustion gas conform to IEC60754-2 (acidity);
Low smoke density, conform to IEC61034-2;
Flame retardancy conform to IEC60332-1-2;
Oil resistance shall conform to EN60811-404.

Technical certification

CE certification,TUV certified;;
Conform to IEC60502;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Low smoke halogen-free core wire insulation;
Tinned braided shield, about 80% coverage;
Special halogen-free mixture outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+90 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X1.5mm²	10.2	46	166
2	3G1.5mm²	10.7	61	191
3	4G1.5mm²	11.4	78	225
4	5G1.5mm²	12.3	94	263
5	6G1.5mm²	13.2	110	305
6	7G1.5mm²	13.2	124	316
7	8G1.5mm²	14.1	141	320
8	10G1.5mm²	16.2	175	401
9	12G1.5mm²	16.7	204	450
10	19G1.5mm²	19.2	308	638
11	25G1.5mm²	22.6	418	857
12	30G1.5mm²	23.8	492	986
13	37G1.5mm²	26.0	596	1193
14	2X2.5mm²	11.2	68	210
15	3G2.5mm²	11.8	92	246
16	4G2.5mm²	12.6	118	294
17	5G2.5mm²	13.7	144	348
18	6G2.5mm²	14.7	170	406
19	7G2.5mm²	14.7	193	425
20	8G2.5mm²	15.8	219	429
21	10G2.5mm²	18.2	273	538
22	12G2.5mm²	18.7	320	610
23	19G2.5mm²	21.7	508	901
24	25G2.5mm²	25.6	660	1183
25	30G2.5mm²	27.0	781	1373
26	37G2.5mm²	29.9	951	1695
27	2X4.0mm²	12.6	100	231
28	3G4.0mm²	12.8	138	287
29	4G4.0mm²	13.9	179	352
30	5G4.0mm²	15.1	219	419
31	2X6.0mm²	13.8	140	297
32	3G6.0mm²	14.6	198	381
33	4G6.0mm²	15.9	256	473
34	5G6.0mm²	17.3	316	568
35	2X10mm²	15.8	220	411
36	3G10mm²	16.8	315	542
37	4G10mm²	18.3	411	681
38	5G10mm²	20.0	525	841
39	2X16mm²	18.1	11703	11938

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
40	3G16mm²	19.3	503	784
41	4G16mm²	21.5	657	1014
42	5G16mm²	23.6	812	1230
43	2X25mm²	22.1	532	869
44	3G25mm²	23.6	767	1175
45	4G25mm²	25.9	1005	1497
46	5G25mm²	29.3	1245	1882
47	2X35mm²	25.3	725	1154
48	3G35mm²	27.0	1053	1572
49	4G35mm²	30.0	1384	2039
50	5G35mm²	33.4	1717	2520
51	2X50mm²	29.4	1014	1574
52	3G50mm²	31.3	1480	2161
53	4G50mm²	35.2	1951	2841
54	5G50mm²	38.7	2422	3472
55	2X70mm²	33.9	1398	2119
56	3G70mm²	36.5	2048	2964
57	4G70mm²	40.2	2739	3846
58	5G70mm²	44.7	3401	4754
59	2X95mm²	38.3	1905	2797
60	3G95mm²	40.9	2788	3880
61	4G95mm²	45.8	3679	5093
62	5G95mm²	50.5	4573	6246
63	2X120mm²	42.5	2382	3465
64	3G120mm²	45.8	3496	4867
65	4G120mm²	50.4	4618	6282
66	5G120mm²	57.3	5744	7936
67	2X150mm²	47.4	2953	4282
68	3G150mm²	50.7	4343	5980
69	4G150mm²	57.5	5743	7958
70	5G150mm²	63.3	7216	9838
71	2X185mm²	53.2	3614	5323
72	3G185mm²	57.3	5325	7476
73	4G185mm²	63.1	7117	9728
74	5G185mm²	70.0	8850	12020
75	2X240mm²	59.4	4709	6779
76	3G240mm²	63.1	6929	9417
77	4G240mm²	70.4	9164	12340
78	5G240mm²	78.3	11404	15297

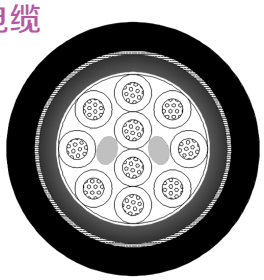
动力电缆 POWER CABLE

03

CU/XLPE/LSHF/STA/LSHF

CE 认证 XLPE 绝缘 LSHF 内外护套钢带铠装安装动力电缆

CE certified XLPE insulated, LSHF inner and outer sheathed, steel tape armoured installation power cable



低烟无卤
动力电缆

LOW SMOKE HALOGEN-FREE POWER CABLE

N2XH
N2XCH
CU/XLPE/LSHF/STA/LSHF
CU/XLPE/LSHF/SWA/LSHF
CU/XLPE/OS/LSHF/STA/LSHF
CU/XLPE/OS/LSHF/SWA/LSHF
AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP
AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. In case of fire, it protects personnel safety by reducing smoke density and corrosive gases, making it suitable for occasions with high population density and high property value.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗挤压性能优异。

Product characteristics

Halogen-free, conform to IEC 60754-1 (total amount of halogen acid gases);
Corrosiveness of combustion gases conform to IEC 60754-2 (acidity);
Low smoke density, conform to IEC 61034-2;
Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent crush resistance.

技术认证

TUV 认证，CE 认证；
符合 IEC60502-1；
RoHS，REACH；

Technical certification

TUV certified，CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
LSHF 内护套；
镀锌钢带铠装；
LSHF 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
LSHF inner sheath;
Galvanized steel tape armoring;
LSHF outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-40 至+ 90℃；
最小弯曲半径：
单芯线：15X 电缆直径；
多芯线：12X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -40 to +90℃;
Minimum bending radius:
Single-core cable: 15× cable diameter;
Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.4	13.7	192
2	1X2.5mm²	10.9	22.8	217
3	1X4.0mm²	11.4	36.5	247
4	1X6.0mm²	12.0	53.9	283
5	1X10mm²	13.4	91.8	365
6	1X16mm²	14.6	146.7	457
7	1X25mm²	17.4	229.5	706
8	1X35mm²	18.8	320.8	863
9	1X50mm²	20.7	458.1	1081
10	1X70mm²	23.6	641.2	1469
11	1X95mm²	25.6	870.7	1802
12	1X120mm²	27.9	1098.9	2162
13	1X150mm²	30.2	1374.7	2565
14	1X185mm²	33.0	1695.7	3068
15	1X240mm²	37.5	2200.2	4026
16	2X1.5mm²	13.5	27.4	325
17	2X2.5mm²	14.5	45.6	384
18	2X4.0mm²	16.4	73.1	545
19	2X6.0mm²	17.6	107.8	642
20	2X10mm²	20.6	183.6	833
21	2X16mm²	23.5	293.4	1167
22	2X25mm²	28.2	459.0	1609
23	2X35mm²	31.5	641.7	2010
24	2X50mm²	36.4	916.2	2756
25	2X70mm²	41.8	1282.5	3591
26	2X95mm²	47.2	1741.4	4758
27	2X120mm²	52.0	2197.7	5708
28	2X150mm²	56.6	2749.4	6704
29	2X185mm²	62.0	3391.4	7958
30	2X240mm²	68.2	4400.5	9647
31	3X1.5mm²	14.0	41.1	356
32	3X2.5mm²	15.0	68.4	425
33	3X4.0mm²	17.0	109.6	602
34	3X6.0mm²	18.3	161.7	728
35	3X10mm²	22.2	275.4	1074
36	3X16mm²	24.6	440.1	1373
37	3X25mm²	30.1	688.5	1965
38	3X35mm²	33.5	962.5	2461
39	3X50mm²	39.6	1374.3	3481
40	3X70mm²	44.0	1923.7	4385
41	3X95mm²	50.3	2612.2	5903
42	3X120mm²	54.8	3296.6	7029
43	3X150mm²	60.2	4124.1	8422
44	3X185mm²	65.9	5087.1	10069
45	3X240mm²	72.8	6600.7	12327
46	4X1.5mm²	14.7	54.8	401
47	4X2.5mm²	16.8	91.3	581
48	4X4.0mm²	18.1	146.2	695
49	4X6.0mm²	19.5	215.6	833
50	4X10mm²	23.8	367.2	1256
51	4X16mm²	26.8	586.8	1644
52	4X25mm²	32.4	918.0	2338
53	4X35mm²	37.6	1283.4	3243
54	4X50mm²	42.7	1832.3	4193
55	4X70mm²	49.7	2564.9	5846
56	4X95mm²	54.9	3482.9	7219
57	4X120mm²	59.9	4395.5	8653
58	4X150mm²	66.3	5498.8	10482

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	4X185mm²	72.4	6782.8	12494
60	4X240mm²	81.5	8801.0	16277
61	5X1.5mm²	16.5	68.4	542
62	5X2.5mm²	17.9	114.1	652
63	5X4.0mm²	19.2	182.7	795
64	5X6.0mm²	20.8	269.5	967
65	5X10mm²	25.9	459.0	1470
66	5X16mm²	29.9	733.5	1981
67	5X25mm²	36.4	1147.5	3009
68	5X35mm²	41.3	1604.2	3863
69	5X50mm²	48.2	2290.4	5435
70	5X70mm²	54.2	3206.1	6940
71	5X95mm²	60.0	4353.6	8627
72	5X120mm²	65.9	5494.3	10441
73	5X150mm²	72.8	6873.5	12601
74	5X185mm²	81.1	8478.4	15958
75	5X240mm²	89.3	11001.2	19535
76	6X1.5mm²	17.4	82.1	602
77	6X2.5mm²	18.9	136.9	737
78	6X4.0mm²	20.4	219.2	900
79	6X6.0mm²	22.9	323.4	1215
80	7X1.5mm²	17.4	95.8	611
81	7X2.5mm²	18.9	159.7	753
82	7X4.0mm²	20.4	255.8	927
83	7X6.0mm²	22.9	377.3	1256
84	8X1.5mm²	18.5	109.5	676
85	8X2.5mm²	20.2	182.5	830
86	8X4.0mm²	22.5	292.3	1129
87	8X6.0mm²	24.5	431.2	1384
88	9X1.5mm²	19.4	123.2	734
89	9X2.5mm²	21.2	205.3	912
90	9X4.0mm²	23.8	328.9	1233
91	9X6.0mm²	26.3	485.1	1538
92	10X1.5mm²	20.6	136.9	809
93	10X2.5mm²	23.3	228.2	1110
94	10X4.0mm²	25.7	365.4	1389
95	10X6.0mm²	29.1	539.0	1777
96	12X1.5mm²	21.1	164.3	862
97	12X2.5mm²	23.8	273.8	1191
98	12X4.0mm²	26.3	438.5	1500
99	12X6.0mm²	29.4	646.8	1899
100	16X1.5mm²	23.4	219.0	1116
101	16X2.5mm²	26.2	365.0	1436
102	18X2.5mm²	27.6	410.7	1578
103	19X1.5mm²	24.3	260.1	1221
104	19X2.5mm²	27.6	433.5	1603
105	24X1.5mm²	28.1	328.5	1541
106	24X2.5mm²	31.7	547.6	1998
107	25X1.5mm²	28.1	342.2	1557
108	25X2.5mm²	31.3	570.4	1992
109	28X1.5mm²	28.6	383.3	1636
110	28X2.5mm²	32.2	638.8	2134
111	29X1.5mm²	29.9	397.0	1746
112	29X2.5mm²	33.7	661.7	2275
113	32X1.5mm²	30.8	438.1	1840
114	32X2.5mm²	35.6	730.1	2628
115	37X1.5mm²	31.7	506.5	1984
116	37X2.5mm²	36.6	844.2	2821

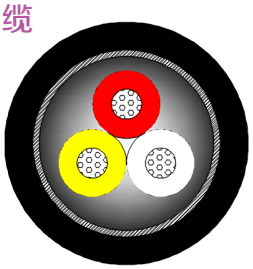
动力电缆 POWER CABLE

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CU/XLPE/LSHF/SWA/LSHF

CE 认证 XLPE 绝缘 LSHF 内外护套钢丝铠装安装动力电缆

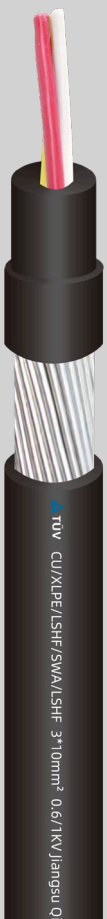
CE certified XLPE insulated, LSHF inner and outer sheathed, steel wire armoured installation power cable



低烟无卤
动力电缆

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应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗拉伸性能优异。

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
LSHF 内护套；
镀锌钢丝铠装；
LSHF 外护套；
外护套一般为黑色，其他颜色可选。

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-40 至+ 90℃；
最小弯曲半径：
单芯线：15X 电缆直径，
多芯线：12X 电缆直径

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. In case of fire, it protects personnel safety by reducing smoke density and corrosive gases, making it suitable for occasions with high population density and high property value.

Product characteristics

Halogen-free, conform to IEC 60754-1 (total amount of halogen acid gases);
Corrosiveness of combustion gases conform to IEC 60754-2 (acidity);
Low smoke density, conform to IEC 61034-2;
Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent tensile resistance.

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

Cable structure

Bare copper, conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
LSHF inner sheath;
Galvanized steel wire armoring;
LSHF outer sheath;
Outer sheath is generally black; other colors are available upon request.

Technical parameters

Core identification:
According to DIN VDE 0293-308;
Conductor resistance:
conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -40 to +90℃;
Minimum bending radius:
Single-core cable: 15× cable diameter;
Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.4	13.7	192
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3	1X4.0mm²	11.4	36.5	247
4	1X6.0mm²	12.0	53.9	283
5	1X10mm²	13.4	91.8	365
6	1X16mm²	14.6	146.7	457
7	1X25mm²	17.4	229.5	706
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9	1X50mm²	20.7	458.1	1081
10	1X70mm²	23.6	641.2	1469
11	1X95mm²	25.6	870.7	1802
12	1X120mm²	27.9	1098.9	2162
13	1X150mm²	30.2	1374.7	2565
14	1X185mm²	33.0	1695.7	3068
15	1X240mm²	37.5	2200.2	4026
16	2X1.5mm²	13.5	27.4	325
17	2X2.5mm²	14.5	45.6	384
18	2X4.0mm²	16.4	73.1	545
19	2X6.0mm²	17.6	107.8	642
20	2X10mm²	20.6	183.6	833
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27	2X120mm²	52.0	2197.7	5708
28	2X150mm²	56.6	2749.4	6704
29	2X185mm²	62.0	3391.4	7958
30	2X240mm²	68.2	4400.5	9647
31	3X1.5mm²	14.0	41.1	356
32	3X2.5mm²	15.0	68.4	425
33	3X4.0mm²	17.0	109.6	602
34	3X6.0mm²	18.3	161.7	728
35	3X10mm²	22.2	275.4	1074
36	3X16mm²	24.6	440.1	1373
37	3X25mm²	30.1	688.5	1965
38	3X35mm²	33.5	962.5	2461
39	3X50mm²	39.6	1374.3	3481
40	3X70mm²	44.0	1923.7	4385
41	3X95mm²	50.3	2612.2	5903
42	3X120mm²	54.8	3296.6	7029
43	3X150mm²	60.2	4124.1	8422
44	3X185mm²	65.9	5087.1	10069
45	3X240mm²	72.8	6600.7	12327
46	4X1.5mm²	14.7	54.8	401
47	4X2.5mm²	16.8	91.3	581
48	4X4.0mm²	18.1	146.2	695
49	4X6.0mm²	19.5	215.6	833
50	4X10mm²	23.8	367.2	1256
51	4X16mm²	26.8	586.8	1644
52	4X25mm²	32.4	918.0	2338
53	4X35mm²	37.6	1283.4	3243
54	4X50mm²	42.7	1832.3	4193
55	4X70mm²	49.7	2564.9	5846
56	4X95mm²	54.9	3482.9	7219
57	4X120mm²	59.9	4395.5	8653
58	4X150mm²	66.3	5498.8	10482

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
59	4X185mm²	72.4	6782.8	12494
60	4X240mm²	81.5	8801.0	16277
61	5X1.5mm²	16.5	68.4	542
62	5X2.5mm²	17.9	114.1	652
63	5X4.0mm²	19.2	182.7	795
64	5X6.0mm²	20.8	269.5	967
65	5X10mm²	25.9	459.0	1470
66	5X16mm²	29.9	733.5	1981
67	5X25mm²	36.4	1147.5	3009
68	5X35mm²	41.3	1604.2	3863
69	5X50mm²	48.2	2290.4	5435
70	5X70mm²	54.2	3206.1	6940
71	5X95mm²	60.0	4353.6	8627
72	5X120mm²	65.9	5494.3	10441
73	5X150mm²	72.8	6873.5	12601
74	5X185mm²	81.1	8478.4	15958
75	5X240mm²	89.3	11001.2	19535
76	6X1.5mm²	17.4	82.1	602
77	6X2.5mm²	18.9	136.9	737
78	6X4.0mm²	20.4	219.2	900
79	6X6.0mm²	22.9	323.4	1215
80	7X1.5mm²	17.4	95.8	611
81	7X2.5mm²	18.9	159.7	753
82	7X4.0mm²	20.4	255.8	927
83	7X6.0mm²	22.9	377.3	1256
84	8X1.5mm²	18.5	109.5	676
85	8X2.5mm²	20.2	182.5	830
86	8X4.0mm²	22.5	292.3	1129
87	8X6.0mm²	24.5	431.2	1384
88	9X1.5mm²	19.4	123.2	734
89	9X2.5mm²	21.2	205.3	912
90	9X4.0mm²	23.8	328.9	1233
91	9X6.0mm²	26.3	485.1	1538
92	10X1.5mm²	20.6	136.9	809
93	10X2.5mm²	23.3	228.2	1110
94	10X4.0mm²	25.7	365.4	1389
95	10X6.0mm²	29.1	539.0	1777
96	12X1.5mm²	21.1	164.3	862
97	12X2.5mm²	23.8	273.8	1191
98	12X4.0mm²	26.3	438.5	1500
99	12X6.0mm²	29.4	646.8	1899
100	16X1.5mm²	23.4	219.0	1116
101	16X2.5mm²	26.2	365.0	1436
102	18X2.5mm²	27.6	410.7	1578
103	19X1.5mm²	24.3	260.1	1221
104	19X2.5mm²	27.6	433.5	1603
105	24X1.5mm²	28.1	328.5	1541
106	24X2.5mm²	31.7	547.6	1998
107	25X1.5mm²	28.1	342.2	1557
108	25X2.5mm²	31.3	570.4	1992
109	28X1.5mm²	28.6	383.3	1636
110	28X2.5mm²	32.2	638.8	2134
111	29X1.5mm²	29.9	397.0	1746
112	29X2.5mm²	33.7	661.7	2275
113	32X1.5mm²	30.8	438.1	1840
114	32X2.5mm²	35.6	730.1	2628
115	37X1.5mm²	31.7	506.5	1984
116	37X2.5mm²	36.6	844.2	2821

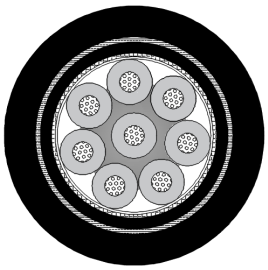
动力电缆 POWER CABLE

03

CU/XLPE/OS/LSHF/STA/LSHF

CE 认证 XLPE 绝缘 LSHF 内外护套钢带铠装屏蔽安装动力电缆

CE certified XLPE insulated, LSHF inner and outer sheathed, steel tape armoured, shielded installation power cable



低烟无卤
动力电缆

LOW SMOKE HALOGEN-FREE POWER CABLE

- N2XH
- N2XCH
- CU/XLPE/LSHF/STA/LSHF
- CU/XLPE/LSHF/SWA/LSHF
- CU/XLPE/OS/LSHF/STA/LSHF
- CU/XLPE/OS/LSHF/SWA/LSHF
- AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP
- AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability. In case of fire, it protects personnel safety by reducing smoke density and corrosive gases, making it suitable for occasions with high population density and high property value.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗挤压性能优异；
高屏蔽效能，抗电磁干扰。

Product characteristics

Halogen-free, conform to IEC 60754-1 (total amount of halogen acid gases);
Corrosiveness of combustion gases conform to IEC 60754-2 (acidity);
Low smoke density, conform to IEC 61034-2;
Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent crush resistance;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
LSHF 内护套；
镀锌钢带铠装；
LSHF 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

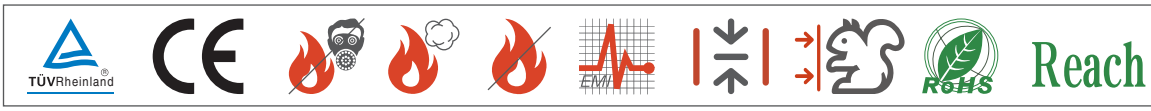
Bare copper, conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
Copper wire braided shield with a density of over 80%;
LSHF inner sheath;
Galvanized steel tape armoring;
LSHF outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-40 至+ 90℃；
最小弯曲半径：单芯线：15X 电缆直径；
多芯线：12X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance:
conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -40 to +90℃ ;
Minimum bending radius: Single-core cable: 15× cable diameter;
Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.9	22.1	216
2	1X2.5mm²	11.4	32.0	242
3	1X4.0mm²	11.9	46.9	270
4	1X6.0mm²	12.5	65.8	311
5	1X10mm²	13.9	110.3	400
6	1X16mm²	15.1	168.5	496
7	1X25mm²	17.9	257.0	763
8	1X35mm²	19.3	352.5	914
9	1X50mm²	21.2	495.1	1138
10	1X70mm²	24.1	684.4	1540
11	1X95mm²	26.7	936.6	1939
12	1X120mm²	29.0	1172.2	2295
13	1X150mm²	31.3	1457.2	2725
14	1X185mm²	34.9	1787.3	3421
15	1X240mm²	38.6	2303.3	4211
16	2X1.5mm²	14.1	46.2	353
17	2X2.5mm²	15.1	67.4	411
18	2X4.0mm²	17.0	97.9	573
19	2X6.0mm²	18.2	136.2	667
20	2X10mm²	21.1	220.6	888
21	2X16mm²	24.0	336.9	1235
22	2X25mm²	28.7	532.4	1704
23	2X35mm²	32.2	726.9	2124
24	2X50mm²	37.5	1016.0	2953
25	2X70mm²	42.5	1399.8	3748
26	2X95mm²	48.2	1908.4	4987
27	2X120mm²	53.0	2383.5	5958
28	2X150mm²	57.6	2957.9	7017
29	2X185mm²	63.0	3622.7	8295
30	2X240mm²	69.2	4726.1	10080
31	3X1.5mm²	14.6	61.3	388
32	3X2.5mm²	16.5	91.9	550
33	3X4.0mm²	17.6	136.3	646
34	3X6.0mm²	18.9	192.2	760
35	3X10mm²	22.7	315.1	1137
36	3X16mm²	25.3	502.8	1462
37	3X25mm²	30.4	768.2	2043
38	3X35mm²	34.6	1054.2	2744
39	3X50mm²	39.9	1482.8	3590
40	3X70mm²	46.0	2081.8	4952
41	3X95mm²	51.3	2791.6	6185
42	3X120mm²	55.8	3496.3	7293
43	3X150mm²	61.6	4348.4	8807
44	3X185mm²	66.9	5335.8	10385
45	3X240mm²	75.1	6951.0	13510
46	4X1.5mm²	15.3	77.3	434
47	4X2.5mm²	17.4	117.4	617
48	4X4.0mm²	18.7	175.9	731
49	4X6.0mm²	20.1	249.6	878
50	4X10mm²	24.3	411.5	1324
51	4X16mm²	27.9	656.8	1785
52	4X25mm²	33.1	1006.9	2472
53	4X35mm²	38.3	1385.7	3385
54	4X50mm²	43.4	1953.5	4355
55	4X70mm²	50.7	2741.3	6086

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
56	4X95mm²	55.9	3683.2	7523
57	4X120mm²	61.3	4618.5	9037
58	4X150mm²	67.3	5812.6	10863
59	4X185mm²	74.7	7130.9	13674
60	4X240mm²	82.5	9192.5	16762
61	5X1.5mm²	17.1	93.5	588
62	5X2.5mm²	18.5	143.2	698
63	5X4.0mm²	19.8	215.8	830
64	5X6.0mm²	22.2	307.7	1107
65	5X10mm²	27.0	525.2	1606
66	5X16mm²	30.6	812.3	2105
67	5X25mm²	37.5	1246.6	3205
68	5X35mm²	42.0	1719.5	4019
69	5X50mm²	48.8	2459.6	5624
70	5X70mm²	55.2	3402.8	7201
71	5X95mm²	61.4	4577.0	9011
72	5X120mm²	66.9	5743.1	10757
73	5X150mm²	75.1	7223.6	13783
74	5X185mm²	82.1	8867.0	16441
75	5X240mm²	90.7	11438.3	20157
76	6X1.5mm²	18.0	109.9	646
77	6X2.5mm²	19.5	169.1	771
78	6X4.0mm²	21.0	255.9	931
79	6X6.0mm²	23.5	365.4	1249
80	7X1.5mm²	18.0	123.6	662
81	7X2.5mm²	19.5	191.9	796
82	7X4.0mm²	21.0	292.5	969
83	7X6.0mm²	23.5	419.3	1304
84	8X1.5mm²	19.0	140.3	724
85	8X2.5mm²	20.7	218.2	883
86	8X4.0mm²	23.0	332.9	1193
87	8X6.0mm²	25.2	493.5	1472
88	10X1.5mm²	21.1	173.9	863
89	10X2.5mm²	23.8	271.1	1177
90	10X4.0mm²	26.8	430.9	1508
91	10X6.0mm²	29.6	614.0	1874
92	12X1.5mm²	22.3	202.6	1023
93	12X2.5mm²	24.3	318.3	1260
94	12X4.0mm²	27.4	506.4	1639
95	12X6.0mm²	30.3	724.6	2027
96	16X1.5mm²	23.9	262.2	1183
97	16X2.5mm²	27.3	432.3	1558
98	18X2.5mm²	28.3	482.1	1678
99	19X1.5mm²	25.0	321.6	1326
100	19X2.5mm²	28.3	504.9	1703
101	24X1.5mm²	28.8	401.9	1642
102	24X2.5mm²	32.4	633.6	2113
103	25X1.5mm²	28.8	415.6	1658
104	25X2.5mm²	32.4	656.4	2138
105	28X1.5mm²	29.3	458.5	1739
106	28X2.5mm²	32.9	727.0	2251
107	32X1.5mm²	31.5	520.6	1967
108	32X2.5mm²	36.3	825.9	2763
109	37X1.5mm²	32.4	592.6	2099
110	37X2.5mm²	37.7	944.1	3018

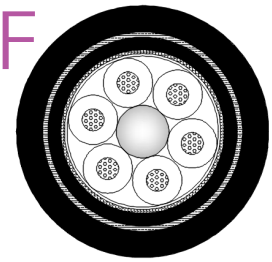
动力电缆 POWER CABLE

03

CU/XLPE/OS/LSHF/SWA/LSHF

CE 认证 XLPE 绝缘 LSHF 内外护套钢丝铠装屏蔽安装动力电缆

CE certified XLPE insulated, LSHF inner and outer sheathed, steel wire armoured, shielded installation power cable



低烟无卤
动力电缆

LOW SMOKE HALOGEN-FREE POWER CABLE

- N2XH
- N2XCH
- CU/XLPE/LSHF/STA/LSHF
- CU/XLPE/LSHF/SWA/LSHF
- CU/XLPE/OS/LSHF/STA/LSHF
- CU/XLPE/OS/LSHF/SWA/LSHF ➤
- AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP
- AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

用于工厂、车间等工业环境中，为各种机械设备供电，能承受工业生产过程中可能产生的机械外力，如振动、碰撞等。也适用于石油化工、新能源风力发电、储能等对电缆机械性能要求较高的行业，可在较为恶劣的工况下稳定传输电力。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。火灾时通过降低烟雾密度和减少腐蚀性气体保护人员安全，适合人口密度大，财产价值高的场合。

Scope of application

Used in industrial environments such as factories and workshops to supply power to various mechanical equipment, capable of withstanding mechanical external forces that may occur during industrial production, such as vibration and collision. It is also suitable for industries with high requirements on cable mechanical properties, such as petrochemicals, new energy wind power generation, and energy storage, and can stably transmit electricity under relatively harsh working conditions. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability. In case of fire, it protects personnel safety by reducing smoke density and corrosive gases, making it suitable for occasions with high population density and high property value.

产品特性

无卤符合 IEC60754-1（卤酸性气体总量）；
燃烧气体腐蚀性符合 IEC60754-2（酸度）；
低烟密度，符合 IEC61034-2；
阻燃性符合 IEC60332-1-2；
XLPE 热固性绝缘，低电容设计；
机械强度高，耐机械损伤；
抗拉伸性能优异；
高屏蔽效能，抗电磁干扰。

Product characteristics

Halogen-free, conform to IEC 60754-1 (total amount of halogen acid gases);
Corrosiveness of combustion gases conform to IEC 60754-2 (acidity);
Low smoke density, conform to IEC 61034-2;
Flame retardancy conform to IEC 60332-1-2;
XLPE thermosetting insulation with low-capacitance design;
High mechanical strength and resistance to mechanical damage;
Excellent tensile resistance;
High shielding efficiency and resistance to electromagnetic interference.

技术认证

TUV 认证；
CE 认证；
符合 IEC60502-1；
RoHS，REACH。

Technical certification

TUV certified;
CE certified;
conform to IEC 60502-1;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 标准（2 类或 5 类）；
XLPE 芯线绝缘；
铜丝编织屏蔽，密度 80% 以上；
LSHF 内护套；
镀锌钢丝铠装；
LSHF 外护套；
外护套一般为黑色，其他颜色可选。

Cable structure

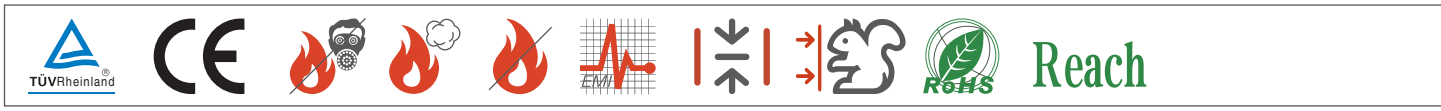
Bare copper, conform to IEC 60228 (Class 2 or Class 5);
XLPE core insulation;
Copper wire braided shield with a density of over 80%;
LSHF inner sheath;
Galvanized steel wire armoring;
LSHF outer sheath;
Outer sheath is generally black; other colors are available upon request.

技术参数

芯线标识：根据 DIN VDE0293-308；
导体电阻：符合 IEC60228 标准要求；
额定电压：0.6/1KV；
测试电压：4000V；
温度范围：固定安装：-40 至+ 90℃；
最小弯曲半径：单芯线：15X 电缆直径；
多芯线：12X 电缆直径。

Technical parameters

Core identification: According to DIN VDE 0293-308;
Conductor resistance: conform to IEC 60228 standard requirements;
Rated voltage: 0.6/1kV;
Test voltage: 4000V;
Temperature range: Fixed installation: -40 to +90℃;
Minimum bending radius:
Single-core cable: 15× cable diameter;
Multi-core cable: 12× cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	10.9	22.1	216
2	1X2.5mm²	11.4	32.0	242
3	1X4.0mm²	11.9	46.9	270
4	1X6.0mm²	12.5	65.8	311
5	1X10mm²	13.9	110.3	400
6	1X16mm²	15.1	168.5	496
7	1X25mm²	17.9	257.0	763
8	1X35mm²	19.3	352.5	914
9	1X50mm²	21.2	495.1	1138
10	1X70mm²	24.1	684.4	1540
11	1X95mm²	26.7	936.6	1939
12	1X120mm²	29.0	1172.2	2295
13	1X150mm²	31.3	1457.2	2725
14	1X185mm²	34.9	1787.3	3421
15	1X240mm²	38.6	2303.3	4211
16	2X1.5mm²	14.1	46.2	353
17	2X2.5mm²	15.1	67.4	411
18	2X4.0mm²	17.0	97.9	573
19	2X6.0mm²	18.2	136.2	667
20	2X10mm²	21.1	220.6	888
21	2X16mm²	24.0	336.9	1235
22	2X25mm²	28.7	532.4	1704
23	2X35mm²	32.2	726.9	2124
24	2X50mm²	37.5	1016.0	2953
25	2X70mm²	42.5	1399.8	3748
26	2X95mm²	48.2	1908.4	4987
27	2X120mm²	53.0	2383.5	5958
28	2X150mm²	57.6	2957.9	7017
29	2X185mm²	63.0	3622.7	8295
30	2X240mm²	69.2	4726.1	10080
31	3X1.5mm²	14.6	61.3	388
32	3X2.5mm²	16.5	91.9	550
33	3X4.0mm²	17.6	136.3	646
34	3X6.0mm²	18.9	192.2	760
35	3X10mm²	22.7	315.1	1137
36	3X16mm²	25.3	502.8	1462
37	3X25mm²	30.4	768.2	2043
38	3X35mm²	34.6	1054.2	2744
39	3X50mm²	39.9	1482.8	3590
40	3X70mm²	46.0	2081.8	4952
41	3X95mm²	51.3	2791.6	6185
42	3X120mm²	55.8	3496.3	7293
43	3X150mm²	61.6	4348.4	8807
44	3X185mm²	66.9	5335.8	10385
45	3X240mm²	75.1	6951.0	13510
46	4X1.5mm²	15.3	77.3	434
47	4X2.5mm²	17.4	117.4	617
48	4X4.0mm²	18.7	175.9	731
49	4X6.0mm²	20.1	249.6	878
50	4X10mm²	24.3	411.5	1324
51	4X16mm²	27.9	656.8	1785
52	4X25mm²	33.1	1006.9	2472
53	4X35mm²	38.3	1385.7	3385
54	4X50mm²	43.4	1953.5	4355
55	4X70mm²	50.7	2741.3	6086

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
56	4X95mm²	55.9	3683.2	7523
57	4X120mm²	61.3	4618.5	9037
58	4X150mm²	67.3	5812.6	10863
59	4X185mm²	74.7	7130.9	13674
60	4X240mm²	82.5	9192.5	16762
61	5X1.5mm²	17.1	93.5	588
62	5X2.5mm²	18.5	143.2	698
63	5X4.0mm²	19.8	215.8	830
64	5X6.0mm²	22.2	307.7	1107
65	5X10mm²	27.0	525.2	1606
66	5X16mm²	30.6	812.3	2105
67	5X25mm²	37.5	1246.6	3205
68	5X35mm²	42.0	1719.5	4019
69	5X50mm²	48.8	2459.6	5624
70	5X70mm²	55.2	3402.8	7201
71	5X95mm²	61.4	4577.0	9011
72	5X120mm²	66.9	5743.1	10757
73	5X150mm²	75.1	7223.6	13783
74	5X185mm²	82.1	8867.0	16441
75	5X240mm²	90.7	11438.3	20157
76	6X1.5mm²	18.0	109.9	646
77	6X2.5mm²	19.5	169.1	771
78	6X4.0mm²	21.0	255.9	931
79	6X6.0mm²	23.5	365.4	1249
80	7X1.5mm²	18.0	123.6	662
81	7X2.5mm²	19.5	191.9	796
82	7X4.0mm²	21.0	292.5	969
83	7X6.0mm²	23.5	419.3	1304
84	8X1.5mm²	19.0	140.3	724
85	8X2.5mm²	20.7	218.2	883
86	8X4.0mm²	23.0	332.9	1193
87	8X6.0mm²	25.2	493.5	1472
88	10X1.5mm²	21.1	173.9	863
89	10X2.5mm²	23.8	271.1	1177
90	10X4.0mm²	26.8	430.9	1508
91	10X6.0mm²	29.6	614.0	1874
92	12X1.5mm²	22.3	202.6	1023
93	12X2.5mm²	24.3	318.3	1260
94	12X4.0mm²	27.4	506.4	1639
95	12X6.0mm²	30.3	724.6	2027
96	16X1.5mm²	23.9	262.2	1183
97	16X2.5mm²	27.3	432.3	1558
98	18X2.5mm²	28.3	482.1	1678
99	19X1.5mm²	25.0	321.6	1326
100	19X2.5mm²	28.3	504.9	1703
101	24X1.5mm²	28.8	401.9	1642
102	24X2.5mm²	32.4	633.6	2113
103	25X1.5mm²	28.8	415.6	1658
104	25X2.5mm²	32.4	656.4	2138
105	28X1.5mm²	29.3	458.5	1739
106	28X2.5mm²	32.9	727.0	2251
107	32X1.5mm²	31.5	520.6	1967
108	32X2.5mm²	36.3	825.9	2763
109	37X1.5mm²	32.4	592.6	2099
110	37X2.5mm²	37.7	944.1	3018

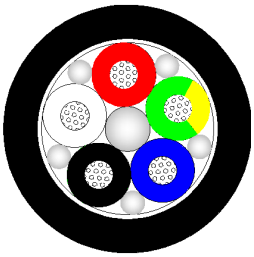
动力电缆 POWER CABLE

03

AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP

SAA 认证 XLPE 绝缘 XLPE 护套动力电缆

SAA Certified XLPE Insulated and XLPE Sheathed Power Cable



低烟无卤 动力电缆

LOW SMOKE HALOGEN-FREE POWER CABLE

- N2XH
- N2XCH
- CU/XLPE/LSHF/STA/LSHF
- CU/XLPE/LSHF/SWA/LSHF
- CU/XLPE/OS/LSHF/STA/LSHF
- CU/XLPE/OS/LSHF/SWA/LSHF
- AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP ➤
- AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

可用于建筑物内部的主干线、支干线和支电路布线，如商场、写字楼、酒店等。也适用于活动房和房车等的电气安装，适用于对防火性能要求较高的场合，在火灾发生时，能减少烟雾和有毒气体的释放，为人员疏散和消防救援争取时间。

Scope of application

Suitable for wiring of main lines, branch lines and branch circuits inside buildings, such as shopping malls, office buildings, hotels, etc. It is also applicable to electrical installation in prefabricated houses and caravans, and suitable for occasions with high requirements for fire resistance. In case of fire, it can reduce the release of smoke and toxic gases, gaining time for personnel evacuation and fire rescue.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2 ;
无卤等级符合 IEC60754-1;
高屏蔽效能，抗电磁干扰。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
Low smoke level conform to IEC 61034-2;
Halogen-free level conform to IEC 60754-1;
High shielding efficiency, anti-electromagnetic interference.

技术认证

SAA 认证;
符合 AS/NZS 5000.1;
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）;
X-HF-110 芯线绝缘，符合 AS/NZS 3808;
HFS-110-TP 外护套，符合 AS/NZS 3808;
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
X-HF-110 core insulation, conform to AS/NZS 3808;
HFS-110-TP outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求;
导体电阻：符合 AS/NZS 1125 标准;
额定温度：110℃;
额定电压：0.6/1kV;
测试电压：3500V/5min;
温度范围：固定安装：-40 至+ 110℃;
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.1 requirements;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 110℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range: Fixed installation: -40 to +110℃ ;
Minimum bending radius: 7.5X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	5.3	4.492	36.41435164
2	1X0.75mm²	5.5	6.845	40.82057934
3	1X1.0mm²	5.6	9.126	44.58590588
4	1X1.5mm²	5.9	13.689	52.29432922
5	1X2.5mm²	6.4	22.816	66.79356891
6	1X4.0mm²	6.9	36.541	85.43895944
7	1X6.0mm²	7.5	53.902	109.3322424
8	1X10mm²	8.9	91.797	163.3957446
9	1X16mm²	10	146.695	229.1271107
10	1X25mm²	11.9	229.492	341.178618
11	1X35mm²	13.3	320.839	449.674533
12	1X50mm²	15.4	458.085	624.795255
13	1X70mm²	17.8	641.229	854.2567398
14	1X95mm²	20	870.721	1121.659643
15	1X120mm²	22.2	1098.864	1401.053366
16	1X150mm²	24.8	1374.705	1751.541651
17	1X185mm²	27.4	1695.688	2151.359734
18	1X240mm²	30.6	2200.247	2745.661175
19	2X0.5mm²	8.4	8.984	91.01267678
20	2X0.75mm²	8.8	13.689	102.8881922
21	2X1.0mm²	9.1	18.252	112.8398408
22	2X1.5mm²	9.7	27.379	133.4241963
23	2X2.5mm²	10.7	45.631	171.9578548
24	2X4.0mm²	11.7	73.081	219.9693459
25	2X6.0mm²	12.9	107.804	282.1758558
26	2X10mm²	16	183.594	393.9772559
27	2X16mm²	18.4	293.39	553.5577009
28	2X25mm²	22.4	458.985	822.5863809
29	2X35mm²	25.2	641.679	1073.380279
30	2X50mm²	29.5	916.17	1494.764147
31	2X70mm²	34.4	1282.458	2047.614936
32	2X95mm²	38.8	1741.442	2675.69956
33	2X120mm²	43	2197.727	3324.170729
34	2X150mm²	48	2749.409	4142.307305
35	2X185mm²	53.2	3391.376	5097.076856
36	2X240mm²	59.6	4400.494	6493.361883
37	3X0.5mm²	8.8	13.475	102.3212203
38	3X0.75mm²	9.2	20.534	117.0956369
39	3X1.0mm²	9.5	27.379	129.6601
40	3X1.5mm²	10.2	41.068	155.5879205
41	3X2.5mm²	11.2	68.447	204.5203219
42	3X4.0mm²	12.3	109.622	266.8637008
43	3X6.0mm²	13.7	161.705	350.7297795
44	3X10mm²	17	275.391	514.2827914
45	3X16mm²	19.5	440.085	727.8837182
46	3X25mm²	23.8	688.477	1094.561776
47	3X35mm²	27	962.518	1455.690273
48	3X50mm²	31.9	1374.255	2041.119915
49	3X70mm²	36.7	1923.686	2777.033496
50	3X95mm²	41.6	2612.164	3665.633137
51	3X120mm²	45.9	3296.591	4538.891591
52	3X150mm²	51.5	4124.114	5690.129458

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	57.2	5087.064	7030.344888
54	3X240mm²	64.2	6600.742	8984.664882
55	4X0.5mm²	9.4	17.967	119.2694444
56	4X0.75mm²	9.9	27.379	137.7467907
57	4X1.0mm²	10.2	36.505	153.5604485
58	4X1.5mm²	10.9	54.757	186.192232
59	4X2.5mm²	12.1	91.262	248.0398122
60	4X4.0mm²	13.4	146.162	327.551175
61	4X6.0mm²	14.9	215.607	433.9609459
62	4X10mm²	18.4	367.188	636.1529228
63	4X16mm²	21.3	586.781	921.5848745
64	4X25mm²	26.3	917.97	1408.219594
65	4X35mm²	30	1283.358	1884.752863
66	4X50mm²	35.3	1832.339	2639.958723
67	4X70mm²	40.9	2564.915	3616.306895
68	4X95mm²	46.3	3482.885	4771.381808
69	4X120mm²	51.4	4395.455	5950.881649
70	4X150mm²	57.6	5498.818	7449.97666
71	4X185mm²	63.7	6782.752	9158.251225
72	4X240mm²	71.1	8800.989	11649.50902
73	5X0.5mm²	10	22.459	138.5875276
74	5X0.75mm²	10.6	34.223	161.1372657
75	5X1.0mm²	11	45.631	180.4944852
76	5X1.5mm²	11.8	68.447	220.4642929
77	5X2.5mm²	13.2	114.078	296.4129618
78	5X4.0mm²	14.5	182.703	394.4436172
79	5X6.0mm²	16.2	269.509	525.2650311
80	5X10mm²	20.2	458.985	777.2813673
81	5X16mm²	23.4	733.476	1123.347508
82	5X25mm²	29.2	1147.462	1744.05872
83	5X35mm²	33.8	1604.197	2362.32687
84	5X50mm²	39.3	2290.424	3285.917128
85	5X70mm²	45.3	3206.144	4473.816647
86	5X95mm²	51.5	4353.606	5928.027845
87	5X120mm²	57.2	5494.318	7404.362051
88	5X150mm²	64.1	6873.523	9263.083802
89	5X185mm²	70.7	8478.439	11345.90396
90	5X240mm²	79	11001.236	14458.6989
91	6X0.5mm²	10.8	26.951	159.8020036
92	6X0.75mm²	11.4	41.068	186.7341718
93	6X1.0mm²	11.8	54.757	209.8827833
94	6X1.5mm²	12.7	82.136	257.7263987
95	6X2.5mm²	14.2	136.893	348.7836415
96	6X4.0mm²	15.7	219.243	466.4875796
97	6X6.0mm²	17.6	323.411	623.3129604
98	7X0.5mm²	10.8	31.443	163.744974
99	7X0.75mm²	11.4	47.913	192.5622359
100	7X1.0mm²	11.8	63.884	217.5234732
101	7X1.5mm²	12.7	95.825	269.0052983
102	7X2.5mm²	14.2	159.709	367.3222344
103	7X4.0mm²	15.8	255.784	499.5482131

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	17.6	377.312	666.3770778
105	8X0.5mm²	11.8	35.935	186.8092211
106	8X0.75mm²	12.4	54.757	218.8673247
107	8X1.0mm²	12.9	73.01	246.6624382
108	8X1.5mm²	13.9	109.515	303.8392407
109	8X2.5mm²	15.6	182.524	412.870036
110	8X4.0mm²	17.2	292.324	555.6953222
111	8X6.0mm²	19.4	431.214	749.6206982
112	9X0.5mm²	12.5	40.426	207.0772394
113	9X0.75mm²	13.2	61.602	243.2597418
114	9X1.0mm²	13.8	82.136	274.6344535
115	9X1.5mm²	14.8	123.204	339.2138016
116	9X2.5mm²	16.6	205.34	462.4303838
117	9X4.0mm²	18.5	328.865	623.8314697
118	9X6.0mm²	20.8	485.116	842.5900306
119	10X0.5mm²	13.4	44.918	231.117275
120	10X0.75mm²	14.2	68.447	271.9248544
121	10X1.0mm²	14.8	91.262	307.2731672
122	10X1.5mm²	16	136.893	380.0918218
123	10X2.5mm²	18	228.156	519.0264998
124	10X4.0mm²	20.2	365.405	710.6585473
125	10X6.0mm²	22.6	539.018	946.7686494
126	11X0.5mm²	13.4	49.41	239.1807483
127	11X0.75mm²	14.2	75.291	282.6046288
128	11X1.0mm²	14.8	100.388	320.3531447
129	11X1.5mm²	16	150.583	398.0877491
130	11X2.5mm²	18	250.971	546.7051852
131	11X4.0mm²	20.2	401.946	751.9462458
132	11X6.0mm²	22.6	592.919	1005.620878
133	12X0.5mm²	13.8	53.902	253.8435135
134	12X0.75mm²	14.6	82.136	300.7238077
135	12X1.0mm²	15.2	109.515	341.5312773
136	12X1.5mm²	16.5	164.272	425.5750375
137	12X2.5mm²	18.5	273.787	586.4103373
138	12X4.0mm²	20.8	438.486	808.3772966
139	12X6.0mm²	23.5	646.821	1094.979778
140	13X0.5mm²	14.4	58.394	273.1899842
141	13X0.75mm²	15.3	88.981	324.1357725
142	13X1.0mm²	15.9	118.641	368.4806718
143	13X1.5mm²	17.2	177.961	459.8477041
144	13X2.5mm²	19.4	296.602	634.7522613
145	14X0.5mm²	14.4	62.885	281.474425
146	14X0.75mm²	15.3	95.825	335.0650498
147	14X1.0mm²	15.9	127.767	381.8325555
148	14X1.5mm²	17.3	191.651	478.1629874
149	14X2.5mm²	19.5	319.418	662.8368358
150	15X0.5mm²	14.7	67.377	295.3249175
151	15X0.75mm²	15.6	102.67	352.2811958
152	15X1.0mm²	16.3	136.893	402.0373582
153	15X1.5mm²	17.6	205.34	504.530419
154	15X2.5mm²	19.9	342.233	701.1615079
155	16X0.5mm²	15	71.869	310.2114577

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	16	109.515	370.6724009
157	16X1.0mm²	16.7	146.02	423.5267121
158	16X1.5mm²	18.1	219.029	532.4151764
159	16X2.5mm²	20.5	365.049	741.4304455
160	17X0.5mm²	15.8	76.361	332.1534586
161	17X0.75mm²	16.8	116.359	397.0529408
162	17X1.0mm²	17.5	155.146	453.7401279
163	17X1.5mm²	19	232.719	570.5839413
164	17X2.5mm²	21.7	387.864	805.5265581
165	18X0.5mm²	15.8	80.853	340.2169319
166	18X0.75mm²	16.8	123.204	407.7327152
167	18X1.0mm²	17.5	164.272	466.8201055
168	18X1.5mm²	19	246.408	588.5798687
169	18X2.5mm²	21.7	410.68	833.2052436
170	19X0.5mm²	15.8	85.344	348.2804052
171	19X0.75mm²	16.8	130.049	418.4124897
172	19X1.0mm²	17.5	173.398	479.9000831
173	19X1.5mm²	19	260.097	606.5757961
174	19X2.5mm²	21.7	433.496	860.883929
175	20X0.5mm²	16.5	89.836	370.8939093
176	20X0.75mm²	17.5	136.893	445.5730185
177	20X1.0mm²	18.3	182.524	510.9801367
178	20X1.5mm²	20.1	273.787	655.702908
179	20X2.5mm²	22.8	456.311	916.2257864
180	21X0.5mm²	16.5	94.328	378.9573826
181	21X0.75mm²	17.5	143.738	456.2527929
182	21X1.0mm²	18.3	191.651	524.0601142
183	21X1.5mm²	20.1	287.476	673.6988354
184	21X2.5mm²	22.8	479.127	943.9044718
185	22X0.5mm²	17.2	98.82	402.1644039
186	22X0.75mm²	18.3	150.583	484.1057562
187	22X1.0mm²	19.2	200.777	555.9117731
188	22X1.5mm²	21	301.165	714.321665
189	22X2.5mm²	23.8	501.942	1000.517507
190	23X0.5mm²	17.2	103.312	410.2278772
191	23X0.75mm²	18.3	157.427	494.7855306
192	23X1.0mm²	19.2	209.903	568.9917507
193	23X1.5mm²	21	314.855	732.3175924
194	23X2.5mm²	23.8	524.758	1028.196193
195	24X0.5mm²	18.1	107.804	437.9607508
196	24X0.75mm²	19.3	164.272	527.7987971
197	24X1.0mm²	20.2	219.029	606.5052112
198	24X1.5mm²	22.2	328.544	779.7900281
199	24X2.5mm²	25.4	547.573	1106.172456
200	25X0.5mm²	18.1	112.295	446.0242242
201	25X0.75mm²	19.3	171.117	538.4785715
202	25X1.0mm²	20.2	228.156	619.5851888
203	25X1.5mm²	22.2	342.233	797.7859555
204	25X2.5mm²	25.4	570.389	1133.851141
205	26X0.5mm²	18.1	116.787	454.0876975
206	26X0.75mm²	19.3	177.961	549.1583459

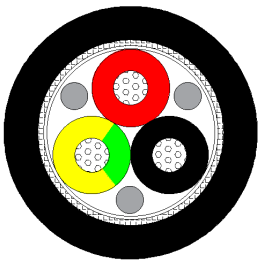
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	20.2	237.282	632.6651664
208	26X1.5mm²	22.2	355.923	815.7818828
209	26X2.5mm²	25.4	593.204	1161.529827
210	27X0.5mm²	18.5	121.279	470.2295064
211	27X0.75mm²	19.7	184.806	569.0190335
212	27X1.0mm²	20.8	246.408	666.0472722
213	27X1.5mm²	22.7	369.612	845.9103454
214	27X2.5mm²	25.9	616.02	1205.052651
215	28X0.5mm²	18.5	125.771	478.2929797
216	28X0.75mm²	19.7	191.651	579.6988079
217	28X1.0mm²	20.8	255.534	679.1272497
218	28X1.5mm²	22.7	383.301	863.9062728
219	28X2.5mm²	25.9	638.836	1232.731337
220	29X0.5mm²	19.1	130.263	500.1108847
221	29X0.75mm²	20.4	198.495	606.0207774
222	29X1.0mm²	21.5	264.66	709.6850868
223	29X1.5mm²	23.6	396.991	914.2422018
224	29X2.5mm²	27	661.651	1300.786887
225	30X0.5mm²	19.1	134.754	508.174358
226	30X0.75mm²	20.4	205.34	616.7005518
227	30X1.0mm²	21.5	273.787	722.7650644
228	30X1.5mm²	23.6	410.68	932.2381291
229	30X2.5mm²	27	684.467	1328.465572
230	31X0.5mm²	19.8	139.246	536.6952618
231	31X0.75mm²	21.3	212.185	655.5733762
232	31X1.0mm²	22.3	282.913	755.6357618
233	31X1.5mm²	24.5	424.369	974.111738
234	31X2.5mm²	28.2	707.282	1394.277872
235	32X0.5mm²	19.8	143.738	544.7587351
236	32X0.75mm²	21.3	219.029	666.2531506
237	32X1.0mm²	22.3	292.039	768.7157394
238	32X1.5mm²	24.5	438.059	992.1076653
239	32X2.5mm²	28.2	730.098	1421.956557
240	33X0.5mm²	19.8	148.23	552.8222085
241	33X0.75mm²	21.3	225.874	676.932925
242	33X1.0mm²	22.3	301.165	781.795717
243	33X1.5mm²	24.5	451.748	1010.103593
244	33X2.5mm²	28.2	752.913	1449.635243
245	34X0.5mm²	20.7	152.722	582.8977528
246	34X0.75mm²	22.1	232.719	707.0626504
247	34X1.0mm²	23.1	310.292	816.1887959
248	34X1.5mm²	25.4	465.437	1053.829691
249	34X2.5mm²	29.2	775.729	1511.211988
250	35X0.5mm²	20.7	157.213	590.9612261
251	35X0.75mm²	22.1	239.563	717.7424248
252	35X1.0mm²	23.1	319.418	829.2687735
253	35X1.5mm²	25.4	479.127	1071.825618
254	35X2.5mm²	29.2	798.544	1538.890674
255	36X0.5mm²	20.7	161.705	599.0246994
256	36X0.75mm²	22.1	246.408	728.4221992
257	36X1.0mm²	23.1	328.544	842.3487511
258	36X1.5mm²	25.4	492.816	1089.821546

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	29.2	821.36	1566.569359
260	37X0.5mm²	20.7	166.197	607.0881727
261	37X0.75mm²	22.1	253.253	739.1019736
262	37X1.0mm²	23.1	337.67	855.4287287
263	37X1.5mm²	25.4	506.505	1107.817473
264	37X2.5mm²	29.2	844.176	1594.248045
265	2X1.5mm²+1.0mm²E	10	36.505	146.8355883
266	2X2.5mm²+1.5mm²E	10.9	59.32	187.9060743
267	2X4mm²+2.5mm²E	12	95.897	245.778623
268	2X6mm²+4.0mm²E	13.2	144.344	320.1905458
269	2X10mm²+6.0mm²E	16	235.713	449.5892168
270	2X16mm²+10mm²E	18.7	381.448	651.4628413
271	2X25mm²+16mm²E	22.5	599.8	971.5071538
272	2X35mm²+16mm²E	25.2	780.72	1217.482558
273	2X50mm²+25mm²E	29.8	1134.539	1734.111832
274	2X70mm²+35mm²E	34.4	1587.731	2353.840901
275	2X95mm²+50mm²E	38.9	2178.173	3113.861672
276	2X120mm²+70mm²E	43.4	2811.393	3948.91656
277	2X150mm²+70mm²E	47.9	3357.719	4736.632602
278	2X185mm²+95mm²E	53.2	4220.717	5903.086278
279	2X240mm²+120mm²E	59.6	5445.966	7506.129795
280	3X1.5mm²+1.0mm²E	10.8	50.194	177.9181142
281	3X2.5mm²+1.5mm²E	11.9	82.136	235.0599313
282	3X4mm²+2.5mm²E	13.1	132.437	307.3515255
283	3X6mm²+4.0mm²E	14.5	198.246	407.6847789
284	3X10mm²+6.0mm²E	17.7	326.619	583.5423025
285	3X16mm²+10mm²E	20.7	526.718	847.930874
286	3X25mm²+16mm²E	25.1	827.064	1280.59684
287	3X35mm²+16mm²E	28.3	1098.444	1652.559332
288	3X50mm²+25mm²E	33.6	1588.177	2340.849708
289	3X70mm²+35mm²E	38.5	2222.734	3165.111955
290	3X95mm²+50mm²E	43.6	3040.44	4188.08556
291	3X120mm²+70mm²E	48.7	3899.588	5300.515459
292	3X150mm²+70mm²E	53.6	4719.077	6420.767195
293	3X185mm²+95mm²E	59.6	5899.942	7977.371926
294	3X240mm²+120mm²E	66.6	7624.852	10145.50936
295	4X1.5mm²+1.0mm²E	11.6	63.884	212.3463168
296	4X2.5mm²+1.5mm²E	12.9	104.952	280.880264
297	4X4mm²+2.5mm²E	14.3	168.978	377.8586058
298	4X6mm²+4.0mm²E	15.9	252.148	499.2917136
299	4X10mm²+6.0mm²E	19.6	417.525	727.1305147
300	4X16mm²+10mm²E	22.8	671.989	1051.450454
301	4X25mm²+16mm²E	27.9	1054.328	1604.599771
302	4X35mm²+16mm²E	31.6	1416.169	2090.629875
303	4X50mm²+25mm²E	37.4	2041.814	2956.271349
304	4X70mm²+35mm²E	42.9	2857.737	3999.843939
305	4X95mm²+50mm²E	48.8	3902.708	5314.89669
306	4X120mm²+70mm²E	54.7	4987.784	6737.890081
307	4X150mm²+70mm²E	60.3	6080.435	8202.28385
308	4X185mm²+95mm²E	67	7579.167	10163.90407
309	4X240mm²+120mm²E	75	9803.737	12961.88217

AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP

SAA 认证 XLPE 绝缘 XLPE 护套屏蔽动力电缆

SAA Certified XLPE Insulated and XLPE Sheathed Shielded Power Cable



低烟无卤
动力电缆
LOW SMOKE HALOGEN-FREE POWER CABLE

N2XH
N2XCH
CU/XLPE/LSHF/STA/LSHF
CU/XLPE/LSHF/SWA/LSHF
CU/XLPE/OS/LSHF/STA/LSHF
CU/XLPE/OS/LSHF/SWA/LSHF
AS/NZS 5000.1 CU/X-HF-110/HFS-110-TP
AS/NZS 5000.1 CU/X-HF-110/OS/HFS-110-TP



应用范围

可用于建筑物内部的主干线、支干线和支电路布线，如商场、写字楼、酒店等。也适用于活动房和房车等的电气安装，适用于对防火性能要求较高的场合，在火灾发生时，能减少烟雾和有毒气体的释放，为人员疏散和消防救援争取时间。屏蔽层可减少设备之间的相互干扰，提高生产效率和设备可靠性。

Scope of application

It can be used for wiring of main lines, branch lines and branch circuits inside buildings, such as shopping malls, office buildings, hotels, etc. It is also suitable for electrical installation in prefabricated houses and caravans, and applicable to occasions with high requirements for fire resistance. In case of fire, it can reduce the release of smoke and toxic gases, buying time for personnel evacuation and fire rescue. The shielding layer can reduce mutual interference between devices, improving production efficiency and equipment reliability.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2;
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardancy conform to IEC 60332-1-2;
Low smoke level conform to IEC 61034-2;
Halogen-free level conform to IEC 60754-1.

技术认证

SAA 认证;
符合 AS/NZS 5000.1;
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）;
X-HF-110 芯线绝缘，符合 AS/NZS 3808;
镀锡铜编织屏蔽，密度 80% 以上;
HFS-110-TP 外护套，符合 AS/NZS 3808;
外护套一般为黑色，其他颜色可选。

Cable structure

Bare copper, conform to AS/NZS 1125 standard (Class 5);
X-HF-110 core insulation, conform to AS/NZS 3808;
Tinned copper braided shield, with a density of over 80%;
HFS-110-TP outer sheath, conform to AS/NZS 3808;
Outer sheath is generally black; other colors are optional.

技术参数

芯线标识：根据 AS/NZS 5000.1 要求;
导体电阻：符合 AS/NZS 1125 标准;
额定温度：110℃;
额定电压：0.6/1kV;
测试电压：3500V/5min;
温度范围：固定安装：-40 至+ 110℃;
最小弯曲半径：7.5X 电缆直径。

Technical parameters

Core identification:
According to AS/NZS 5000.1 requirements;
Conductor resistance:
conform to AS/NZS 1125 standard;
Rated temperature: 110℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range:
Fixed installation: -40 to +110℃ ;
Minimum bending radius: 7.5X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X0.5mm²	6.6	11.572	59
2	1X0.75mm²	6.8	13.965	64
3	1X1.0mm²	6.9	16.306	68
4	1X1.5mm²	7.2	22.109	78
5	1X2.5mm²	7.7	31.976	94
6	1X4.0mm²	8.2	46.941	115
7	1X6.0mm²	8.8	65.792	142
8	1X10mm²	10.2	110.337	205
9	1X16mm²	11.3	168.505	277
10	1X25mm²	13.2	256.952	399
11	1X35mm²	14.7	352.459	518
12	1X50mm²	16.5	495.055	692
13	1X70mm²	18.7	684.439	923
14	1X95mm²	20.9	936.571	1208
15	1X120mm²	23	1172.244	1491
16	1X150mm²	25.3	1457.205	1835
17	1X185mm²	28.1	1787.298	2257
18	1X240mm²	31	2303.347	2842
19	2X0.5mm²	9	21.364	105
20	2X0.75mm²	9.4	29.859	120
21	2X1.0mm²	9.7	35.312	130
22	2X1.5mm²	10.3	46.219	150
23	2X2.5mm²	11.3	67.441	187
24	2X4.0mm²	12.3	97.861	234
25	2X6.0mm²	13.5	136.154	293
26	2X10mm²	16.5	220.564	436
27	2X16mm²	18.7	336.9	593
28	2X25mm²	23.1	532.365	909
29	2X35mm²	26.4	726.949	1198
30	2X50mm²	30.7	1016.02	1640
31	2X70mm²	35.3	1399.818	2191
32	2X95mm²	40.2	1908.352	2896
33	2X120mm²	44.4	2383.457	3568
34	2X150mm²	49.4	2957.929	4415
35	2X185mm²	54.6	3622.676	5399
36	2X240mm²	61	4726.144	6898
37	3X0.5mm²	9.4	29.525	122
38	3X0.75mm²	9.8	37.884	137
39	3X1.0mm²	10.1	45.689	150
40	3X1.5mm²	10.8	61.308	176
41	3X2.5mm²	11.8	91.867	225
42	3X4.0mm²	12.9	136.252	287
43	3X6.0mm²	14.3	192.165	370
44	3X10mm²	17.4	315.121	555
45	3X16mm²	20.2	502.765	797
46	3X25mm²	24.7	768.197	1193
47	3X35mm²	27.9	1054.208	1568
48	3X50mm²	32.8	1482.825	2174
49	3X70mm²	38.1	2081.786	2986
50	3X95mm²	42.8	2791.604	3881
51	3X120mm²	47.5	3496.291	4824
52	3X150mm²	52.9	4348.384	5983

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
53	3X185mm²	58.2	5335.844	7297
54	3X240mm²	65.2	6951.032	9355
55	4X0.5mm²	10	35.827	140
56	4X0.75mm²	10.5	46.699	159
57	4X1.0mm²	10.8	56.895	175
58	4X1.5mm²	11.5	77.287	208
59	4X2.5mm²	12.7	117.382	270
60	4X4.0mm²	14	175.882	349
61	4X6.0mm²	15.5	249.607	455
62	4X10mm²	18.9	411.528	685
63	4X16mm²	22.1	656.751	1004
64	4X25mm²	27.3	1006.92	1525
65	4X35mm²	30.9	1385.708	2010
66	4X50mm²	36.2	1953.469	2788
67	4X70mm²	41.9	2741.335	3807
68	4X95mm²	47.3	3683.235	4987
69	4X120mm²	52.6	4618.485	6217
70	4X150mm²	58.8	5812.648	7811
71	4X185mm²	64.9	7130.942	9558
72	4X240mm²	72.5	9192.519	12133
73	5X0.5mm²	10.6	42.339	160
74	5X0.75mm²	11.2	55.713	183
75	5X1.0mm²	11.6	68.301	203
76	5X1.5mm²	12.4	93.527	243
77	5X2.5mm²	13.8	143.168	318
78	5X4.0mm²	15.1	215.813	415
79	5X6.0mm²	16.9	307.729	546
80	5X10mm²	20.9	525.235	850
81	5X16mm²	24.5	812.286	1227
82	5X25mm²	30.1	1246.602	1866
83	5X35mm²	34.5	1719.537	2486
84	5X50mm²	40.3	2459.564	3469
85	5X70mm²	46.5	3402.824	4708
86	5X95mm²	52.5	4577.036	6168
87	5X120mm²	58.4	5743.148	7700
88	5X150mm²	65.3	7223.633	9665
89	5X185mm²	71.9	8866.999	11791
90	5X240mm²	80.4	11438.266	14997
91	6X0.5mm²	11.4	48.911	181
92	6X0.75mm²	12	64.808	208
93	6X1.0mm²	12.4	79.837	231
94	6X1.5mm²	13.3	109.896	279
95	6X2.5mm²	14.8	169.103	368
96	6X4.0mm²	16.3	255.913	483
97	6X6.0mm²	18.2	365.431	636
98	7X0.5mm²	11.4	53.403	189
99	7X0.75mm²	12	71.653	219
100	7X1.0mm²	12.4	88.964	244
101	7X1.5mm²	13.3	123.585	297
102	7X2.5mm²	14.8	191.919	396
103	7X4.0mm²	16.3	292.454	524

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
104	7X6.0mm²	18.2	419.332	694
105	8X0.5mm²	12.3	60.335	216
106	8X0.75mm²	12.9	81.117	250
107	8X1.0mm²	13.4	100.83	279
108	8X1.5mm²	14.4	140.305	339
109	8X2.5mm²	16.1	218.214	453
110	8X4.0mm²	17.7	332.914	601
111	8X6.0mm²	20.1	493.504	819
112	9X0.5mm²	13	66.966	238
113	9X0.75mm²	13.7	90.282	277
114	9X1.0mm²	14.3	112.446	310
115	9X1.5mm²	15.3	156.724	377
116	9X2.5mm²	17.1	244.24	506
117	9X4.0mm²	19	373.115	673
118	9X6.0mm²	21.5	553.026	917
119	10X0.5mm²	13.9	74.158	265
120	10X0.75mm²	14.7	100.067	308
121	10X1.0mm²	15.3	124.662	345
122	10X1.5mm²	16.5	173.863	422
123	10X2.5mm²	18.5	271.066	567
124	10X4.0mm²	20.9	430.865	783
125	10X6.0mm²	23.3	613.988	1029
126	11X0.5mm²	13.9	78.65	273
127	11X0.75mm²	14.7	106.911	319
128	11X1.0mm²	15.3	133.788	358
129	11X1.5mm²	16.5	187.553	440
130	11X2.5mm²	18.5	293.881	594
131	11X4.0mm²	20.9	467.406	824
132	11X6.0mm²	23.3	667.889	1088
133	12X0.5mm²	14.3	84.212	289
134	12X0.75mm²	15.1	114.946	338
135	12X1.0mm²	15.7	144.165	381
136	12X1.5mm²	17	202.642	469
137	12X2.5mm²	19	318.307	636
138	12X4.0mm²	21.7	506.396	894
139	12X6.0mm²	24.2	724.601	1180
140	13X0.5mm²	14.9	90.514	310
141	13X0.75mm²	15.8	123.751	364
142	13X1.0mm²	16.4	155.371	410
143	13X1.5mm²	17.7	218.611	505
144	13X2.5mm²	20.1	359.882	705
145	14X0.5mm²	14.9	95.035	318
146	14X0.75mm²	15.8	130.625	375
147	14X1.0mm²	16.4	164.527	423
148	14X1.5mm²	17.8	232.361	524
149	14X2.5mm²	20.3	382.778	738
150	15X0.5mm²	15.2	100.487	333
151	15X0.75mm²	16.1	138.45	393
152	15X1.0mm²	16.8	174.693	445
153	15X1.5mm²	18.1	247.21	551
154	15X2.5mm²	20.6	407.373	773
155	16X0.5mm²	15.5	106.019	349

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
156	16X0.75mm²	16.5	146.455	412
157	16X1.0mm²	17.2	185.04	467
158	16X1.5mm²	18.6	262.239	580
159	16X2.5mm²	21.4	432.289	826
160	17X0.5mm²	16.3	112.591	373
161	17X0.75mm²	17.3	155.559	441
162	17X1.0mm²	18	196.576	500
163	17X1.5mm²	19.7	294.219	639
164	17X2.5mm²	22.4	459.264	884
165	18X0.5mm²	16.3	117.083	381
166	18X0.75mm²	17.3	162.404	452
167	18X1.0mm²	18	205.702	513
168	18X1.5mm²	19.7	307.908	657
169	18X2.5mm²	22.4	482.08	912
170	19X0.5mm²	16.3	121.574	389
171	19X0.75mm²	17.3	169.249	462
172	19X1.0mm²	18	214.828	526
173	19X1.5mm²	19.7	321.597	675
174	19X2.5mm²	22.4	504.896	939
175	20X0.5mm²	17	128.206	414
176	20X0.75mm²	18	178.413	492
177	20X1.0mm²	19	226.384	561
178	20X1.5mm²	20.8	338.927	728
179	20X2.5mm²	23.5	531.951	999
180	21X0.5mm²	17	132.698	422
181	21X0.75mm²	18	185.258	502
182	21X1.0mm²	18.8	235.511	573
183	21X1.5mm²	20.8	352.616	746
184	21X2.5mm²	23.5	554.767	1026
185	22X0.5mm²	17.7	139.32	447
186	22X0.75mm²	18.8	194.413	533
187	22X1.0mm²	19.9	262.907	625
188	22X1.5mm²	21.7	369.955	790
189	22X2.5mm²	24.8	582.652	1100
190	23X0.5mm²	17.7	143.812	455
191	23X0.75mm²	18.8	201.257	543
192	23X1.0mm²	19.9	272.033	638
193	23X1.5mm²	21.7	383.645	808
194	23X2.5mm²	24.8	605.468	1127
195	24X0.5mm²	18.6	151.014	486
196	24X0.75mm²	20	226.952	597
197	24X1.0mm²	20.9	285.279	679
198	24X1.5mm²	22.9	401.924	860
199	24X2.5mm²	26.1	633.633	1192
200	25X0.5mm²	18.6	155.505	494
201	25X0.75mm²	20	233.797	608
202	25X1.0mm²	20.9	294.406	692
203	25X1.5mm²	22.9	415.613	878
204	25X2.5mm²	26.1	656.449	1220
205	26X0.5mm²	18.6	159.997	502
206	26X0.75mm²	20	240.641	618

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
207	26X1.0mm²	20.9	303.532	705
208	26X1.5mm²	22.9	429.303	896
209	26X2.5mm²	26.1	679.264	1248
210	27X0.5mm²	19	165.559	519
211	27X0.75mm²	20.4	249.076	640
212	27X1.0mm²	21.5	314.318	741
213	27X1.5mm²	23.4	444.852	928
214	27X2.5mm²	26.6	704.22	1293
215	28X0.5mm²	19	170.051	527
216	28X0.75mm²	20.4	255.921	651
217	28X1.0mm²	21.5	323.444	754
218	28X1.5mm²	23.4	458.541	946
219	28X2.5mm²	26.6	727.036	1321
220	29X0.5mm²	19.8	192.033	568
221	29X0.75mm²	21.1	265.375	679
222	29X1.0mm²	22.2	335.35	787
223	29X1.5mm²	24.3	476.081	994
224	29X2.5mm²	27.7	753.461	1393
225	30X0.5mm²	19.8	196.524	577
226	30X0.75mm²	21.1	272.22	690
227	30X1.0mm²	22.2	344.477	800
228	30X1.5mm²	24.3	489.77	1012
229	30X2.5mm²	27.7	776.277	1420
230	31X0.5mm²	20.5	203.716	608
231	31X0.75mm²	22	281.965	732
232	31X1.0mm²	23	356.653	836
233	31X1.5mm²	25.2	506.869	1057
234	31X2.5mm²	28.9	803.052	1490
235	32X0.5mm²	20.5	208.208	616
236	32X0.75mm²	22	288.809	743
237	32X1.0mm²	23	365.779	849
238	32X1.5mm²	25.3	520.559	1081
239	32X2.5mm²	28.9	825.868	1518
240	33X0.5mm²	20.5	212.7	624
241	33X0.75mm²	22	295.654	754
242	33X1.0mm²	23	374.905	862
243	33X1.5mm²	25.3	534.248	1099
244	33X2.5mm²	28.9	848.683	1545
245	34X0.5mm²	21.4	219.962	657
246	34X0.75mm²	22.8	305.509	787
247	34X1.0mm²	23.9	387.632	903
248	34X1.5mm²	26.2	551.497	1146
249	34X2.5mm²	30	875.659	1618
250	35X0.5mm²	21.4	224.453	665
251	35X0.75mm²	22.8	312.353	797
252	35X1.0mm²	23.9	396.758	916
253	35X1.5mm²	26.4	565.187	1177
254	35X2.5mm²	30.2	898.474	1661
255	36X0.5mm²	21.4	228.945	673
256	36X0.75mm²	22.8	319.198	808
257	36X1.0mm²	23.9	405.884	929
258	36X1.5mm²	26.4	578.876	1195

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
259	36X2.5mm²	30.2	921.29	1688
260	37X0.5mm²	21.4	233.437	681
261	37X0.75mm²	22.8	326.043	819
262	37X1.0mm²	23.9	415.01	942
263	37X1.5mm²	26.4	592.565	1213
264	37X2.5mm²	30.2	944.106	1716
265	2X1.5mm²+1.0mm²E	10.6	56.235	168
266	2X2.5mm²+1.5mm²E	11.5	81.73	209
267	2X4mm²+2.5mm²E	12.6	121.577	266
268	2X6mm²+4.0mm²E	13.8	173.584	340
269	2X10mm²+6.0mm²E	16.5	272.983	491
270	2X16mm²+10mm²E	19.2	426.148	701
271	2X25mm²+16mm²E	23.2	674.37	1053
272	2X35mm²+16mm²E	25.9	865.99	1310
273	2X50mm²+25mm²E	30.5	1235.659	1843
274	2X70mm²+35mm²E	35.1	1705.491	2480
275	2X95mm²+50mm²E	39.9	2346.073	3295
276	2X120mm²+70mm²E	44.4	2999.603	4151
277	2X150mm²+70mm²E	48.9	3566.239	4960
278	2X185mm²+95mm²E	54.2	4452.517	6152
279	2X240mm²+120mm²E	60.6	5772.236	7851
280	3X1.5mm²+1.0mm²E	11.4	72.304	200
281	3X2.5mm²+1.5mm²E	12.5	107.516	257
282	3X4mm²+2.5mm²E	13.7	161.377	330
283	3X6mm²+4.0mm²E	15.1	231.356	427
284	3X10mm²+6.0mm²E	18.2	368.639	630
285	3X16mm²+10mm²E	21.4	594.158	922
286	3X25mm²+16mm²E	25.8	911.144	1372
287	3X35mm²+16mm²E	29	1193.624	1756
288	3X50mm²+25mm²E	34.3	1701.977	2464
289	3X70mm²+35mm²E	39.5	2388.164	3344
290	3X95mm²+50mm²E	44.6	3229.64	4392
291	3X120mm²+70mm²E	49.7	4111.568	5528
292	3X150mm²+70mm²E	54.6	4952.857	6671
293	3X185mm²+95mm²E	60.6	6226.212	8452
294	3X240mm²+120mm²E	67.6	7990.752	10677
295	4X1.5mm²+1.0mm²E	12.2	88.374	236
296	4X2.5mm²+1.5mm²E	13.5	133.302	304
297	4X4mm²+2.5mm²E	15	201.788	401
298	4X6mm²+4.0mm²E	16.6	289.418	522
299	4X10mm²+6.0mm²E	20.3	481.005	797
300	4X16mm²+10mm²E	23.5	747.749	1134
301	4X25mm²+16mm²E	28.6	1148.708	1707
302	4X35mm²+16mm²E	32.3	1523.629	2206
303	4X50mm²+25mm²E	38.4	2202.284	3130
304	4X70mm²+35mm²E	43.9	3044.457	4200
305	4X95mm²+50mm²E	49.8	4115.678	5543
306	4X120mm²+70mm²E	55.7	5226.514	6994
307	4X150mm²+70mm²E	61.3	6411.045	8551
308	4X185mm²+95mm²E	68	7947.537	10552
309	4X240mm²+120mm²E	76	10217.307	13397

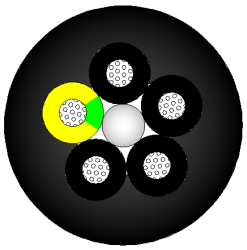
动力电缆 POWER CABLE

03

FNFLEX-JP-PUR

CE 认证 PUR 护套柔性动力电缆

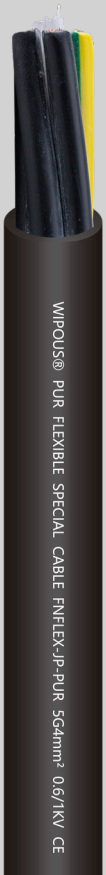
CE certified PUR sheathed flexible power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
良好的剥离性。

技术认证

CE 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
无纺布绕包；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility,and are suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Good peeling property.

Technical certification

CE certification;
Conform to IEC60502;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance:
conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.5	74	192
2	3G4.0mm²	13.5	111	261
3	4G4.0mm²	14.7	148	329
4	5G4.0mm²	16.3	184	405
5	2X6.0mm²	14.4	110	261
6	3G6.0mm²	15.3	165	351
7	4G6.0mm²	16.9	220	452
8	5G6.0mm²	18.7	274	558
9	2X10mm²	16.6	184	376
10	3G10mm²	17.8	275	519
11	4G10mm²	19.7	367	671
12	5G10mm²	22.0	459	837
13	2X16mm²	19.3	293	544
14	3G16mm²	20.6	440	749
15	4G16mm²	23.0	587	982
16	5G16mm²	25.6	733	1222
17	2X25mm²	23.7	459	833
18	3G25mm²	25.3	688	1149
19	4G25mm²	28.1	918	1502
20	5G25mm²	31.3	1147	1865
21	2X35mm²	26.9	642	1109
22	3G35mm²	28.7	963	1538
23	4G35mm²	31.9	1283	2011
24	5G35mm²	35.8	1604	2526
25	2X50mm²	31.8	916	1562
26	3G50mm²	33.9	1374	2171

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1832	2865
28	5G50mm²	42.1	2290	3549
29	2X70mm²	35.9	1283	2078
30	3G70mm²	38.6	1925	2938
31	4G70mm²	43.2	2567	3869
32	5G70mm²	47.9	3208	4790
33	2X95mm²	41.5	1741	2795
34	3G95mm²	44.6	2612	3952
35	4G95mm²	49.4	3483	5155
36	5G95mm²	54.8	4354	6385
37	2X120mm²	45.3	2200	3429
38	3G120mm²	48.8	3299	4860
39	4G120mm²	54.0	4399	6346
40	5G120mm²	59.8	5499	7863
41	2X150mm²	50.2	2749	4236
42	3G150mm²	54.0	4123	6015
43	4G150mm²	59.8	5497	7860
44	5G150mm²	66.5	6871	9769
45	2X185mm²	55.2	3387	5164
46	3G185mm²	59.4	5080	7346
47	4G185mm²	66.0	6774	9632
48	5G185mm²	73.3	8467	11968
49	2X240mm²	62.4	4389	6642
50	3G240mm²	66.7	6583	9393
51	4G240mm²	74.0	8778	12320
52	5G240mm²	82.0	10972	15273

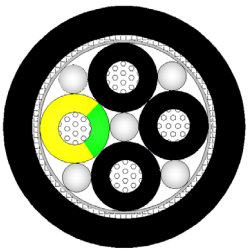
动力电缆 POWER CABLE

03

FNFLEX-JCP-PUR

CE 认证 PUR 护套柔性屏蔽动力电缆

CE Certified PUR Sheathed Flexible Shielded Power Cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

FNFLEX-JP-PUR
FNFLEX-JCP-PUR
FNFLEX-JP-TPE
FNFLEX-JCP-TPE
FNFLEX-JP-TPV
FNFLEX-JCP-TPV
AWM 20234
AWM 20940
AWM 20234-S
AWM 20940-S
AWM 22188
AWM 22188-S
AWM 22008
AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
PUR 护套，抗撕裂及切割；
良好的剥离性。

技术认证

CE 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility.The overall tinned copper wire shield is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
PUR sheath, tear and cutting resistant;
Good peeling property;

Technical certification

CE certification;
Conform to IEC60502;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance:
conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	13.0	103	223
2	3G4.0mm²	13.5	142	290
3	4G4.0mm²	14.7	183	361
4	5G4.0mm²	16.3	224	440
5	2X6.0mm²	14.4	144	293
6	3G6.0mm²	15.3	202	385
7	4G6.0mm²	16.9	261	489
8	5G6.0mm²	18.7	320	599
9	2X10mm²	16.6	224	413
10	3G10mm²	17.8	319	559
11	4G10mm²	19.7	432	731
12	5G10mm²	22.0	531	903
13	2X16mm²	19.3	357	604
14	3G16mm²	20.6	508	812
15	4G16mm²	23.0	663	1051
16	5G16mm²	25.6	818	1298
17	2X25mm²	23.7	536	906
18	3G25mm²	25.3	772	1225
19	4G25mm²	28.1	1011	1585
20	5G25mm²	31.3	1252	1957
21	2X35mm²	26.9	730	1191
22	3G35mm²	28.7	1058	1624
23	4G35mm²	31.9	1390	2105
24	5G35mm²	35.8	1723	2629
25	2X50mm²	31.8	1021	1658
26	3G50mm²	33.9	1487	2270

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1958	2973
28	5G50mm²	42.1	2467	3703
29	2X70mm²	35.9	1402	2186
30	3G70mm²	38.6	2054	3050
31	4G70mm²	43.2	2746	4027
32	5G70mm²	47.9	3409	4964
33	2X95mm²	41.5	1914	2953
34	3G95mm²	44.6	2799	4116
35	4G95mm²	49.4	3691	5334
36	5G95mm²	54.8	4587	6582
37	2X120mm²	45.3	2390	3602
38	3G120mm²	48.8	3504	5040
39	4G120mm²	54.0	4628	6541
40	5G120mm²	59.8	5819	8140
41	2X150mm²	50.2	2961	4427
42	3G150mm²	54.0	4352	6212
43	4G150mm²	59.8	5817	8137
44	5G150mm²	66.5	7229	10073
45	2X185mm²	55.2	3622	5373
46	3G185mm²	59.4	5398	7624
47	4G185mm²	66.0	7128	9935
48	5G185mm²	73.3	8864	12298
49	2X240mm²	62.4	4722	6941
50	3G240mm²	66.7	6943	9702
51	4G240mm²	74.0	9179	12654
52	5G240mm²	82.0	11420	15637

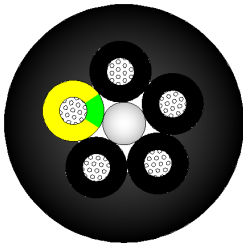
动力电缆 POWER CABLE

03

FNFLEX-JP-TPE

CE 认证 TPE 护套柔性动力电缆

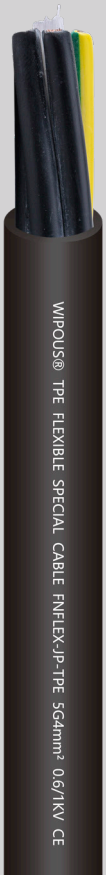
CE certified TPE sheathed flexible power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。温度范围广，适用于室内和室外场合。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
低温保持柔软，耐低温最低 -40℃；
良好的剥离性。

技术认证

CE 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE 芯线绝缘；
无纺布绕包；
TPE 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：-50 至+ 80℃；
移动安装：-40 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility, and are suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Wide temperature range, suitable for indoor and outdoor occasions.

Product characteristics

Halogen free materials
Flexible, easy to bend
Flame retardancy conform to IEC60332-1-2
Oil resistance conform to EN60811-404
Keep soft at low temperature, and bear low temperature at least - 40 ℃
Good peeling property

Technical certification

CE certification
Conform to IEC60502
RoHS，REACH

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5
TPE core insulation
Non woven fabric wrapping
TPE outer sheath
Outer sheath color:grey (RAL7001)x

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 50 to+80 ℃ ;
Moved installation: - 40 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.5	74	183
2	3G4.0mm²	13.5	111	247
3	4G4.0mm²	14.7	148	311
4	5G4.0mm²	16.3	184	382
5	2X6.0mm²	14.4	110	249
6	3G6.0mm²	15.3	165	333
7	4G6.0mm²	16.9	220	428
8	5G6.0mm²	18.7	274	528
9	2X10mm²	16.6	184	360
10	3G10mm²	17.8	275	496
11	4G10mm²	19.7	367	640
12	5G10mm²	22.0	459	798
13	2X16mm²	19.3	293	524
14	3G16mm²	20.6	440	719
15	4G16mm²	23.0	587	941
16	5G16mm²	25.6	733	1172
17	2X25mm²	23.7	459	803
18	3G25mm²	25.3	688	1104
19	4G25mm²	28.1	918	1442
20	5G25mm²	31.3	1147	1790
21	2X35mm²	26.9	642	1071
22	3G35mm²	28.7	963	1482
23	4G35mm²	31.9	1283	1935
24	5G35mm²	35.8	1604	2431
25	2X50mm²	31.8	916	1510
26	3G50mm²	33.9	1374	2092

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1832	2760
28	5G50mm²	42.1	2290	3417
29	2X70mm²	35.9	1283	2013
30	3G70mm²	38.6	1925	2840
31	4G70mm²	43.2	2567	3738
32	5G70mm²	47.9	3208	4626
33	2X95mm²	41.5	1741	2707
34	3G95mm²	44.6	2612	3820
35	4G95mm²	49.4	3483	4979
36	5G95mm²	54.8	4354	6165
37	2X120mm²	45.3	2200	3326
38	3G120mm²	48.8	3299	4705
39	4G120mm²	54.0	4399	6140
40	5G120mm²	59.8	5499	7605
41	2X150mm²	50.2	2749	4107
42	3G150mm²	54.0	4123	5822
43	4G150mm²	59.8	5497	7602
44	5G150mm²	66.5	6871	9446
45	2X185mm²	55.2	3387	5006
46	3G185mm²	59.4	5080	7108
47	4G185mm²	66.0	6774	9316
48	5G185mm²	73.3	8467	11572
49	2X240mm²	62.4	4389	6441
50	3G240mm²	66.7	6583	9092
51	4G240mm²	74.0	8778	11919
52	5G240mm²	82.0	10972	14772

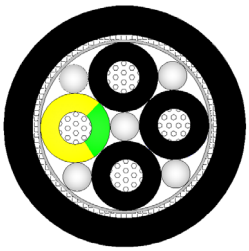
动力电缆 POWER CABLE

03

FNFLEX-JCP-TPE

CE 认证 TPE 护套柔性屏蔽动力电缆

CE certified TPE sheathed flexible shielded power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。温度范围广，适用于室内和室外场合。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
低温保持柔软，耐低温最低 -40℃；
良好的剥离性。

技术认证

CE 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE 芯线绝缘；
镀锡编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-50 至+ 80℃；
　　移动安装：-40 至+ 70℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility.The overall tinned copper wire shield is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Wide temperature range, suitable for indoor and outdoor occasions.

Product characteristics

Halogen free materials;
Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance shall comply with EN60811-404;
EMC occasions;
Keep soft at low temperature,
and bear low temperature at least - 40 ℃ ;
Good peeling property.

Technical certification

CE certification;
Conform to IEC60502;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
TPE core insulation;
Tinned braided shield, about 80% coverage;
TPE outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform toIEC60228 Class 5 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire。
Temperature range:
　　fixed installation: - 50 to+80 ℃ ;
　　Moved installation: - 40 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	13.0	103	216
2	3G4.0mm²	13.5	142	279
3	4G4.0mm²	14.7	183	346
4	5G4.0mm²	16.3	224	422
5	2X6.0mm²	14.4	144	283
6	3G6.0mm²	15.3	202	370
7	4G6.0mm²	16.9	261	470
8	5G6.0mm²	18.7	320	574
9	2X10mm²	16.6	224	400
10	3G10mm²	17.8	319	539
11	4G10mm²	19.7	432	705
12	5G10mm²	22.0	531	871
13	2X16mm²	19.3	357	587
14	3G16mm²	20.6	508	787
15	4G16mm²	23.0	663	1017
16	5G16mm²	25.6	818	1256
17	2X25mm²	23.7	536	881
18	3G25mm²	25.3	772	1188
19	4G25mm²	28.1	1011	1535
20	5G25mm²	31.3	1252	1894
21	2X35mm²	26.9	730	1160
22	3G35mm²	28.7	1058	1577
23	4G35mm²	31.9	1390	2042
24	5G35mm²	35.8	1723	2550
25	2X50mm²	31.8	1021	1614
26	3G50mm²	33.9	1487	2205

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1958	2886
28	5G50mm²	42.1	2467	3593
29	2X70mm²	35.9	1402	2132
30	3G70mm²	38.6	2054	2968
31	4G70mm²	43.2	2746	3918
32	5G70mm²	47.9	3409	4827
33	2X95mm²	41.5	1914	2880
34	3G95mm²	44.6	2799	4006
35	4G95mm²	49.4	3691	5188
36	5G95mm²	54.8	4587	6398
37	2X120mm²	45.3	2390	3516
38	3G120mm²	48.8	3504	4911
39	4G120mm²	54.0	4628	6369
40	5G120mm²	59.8	5819	7926
41	2X150mm²	50.2	2961	4319
42	3G150mm²	54.0	4352	6051
43	4G150mm²	59.8	5817	7922
44	5G150mm²	66.5	7229	9804
45	2X185mm²	55.2	3622	5241
46	3G185mm²	59.4	5398	7426
47	4G185mm²	66.0	7128	9671
48	5G185mm²	73.3	8864	11968
49	2X240mm²	62.4	4722	6774
50	3G240mm²	66.7	6943	9451
51	4G240mm²	74.0	9179	12320
52	5G240mm²	82.0	11420	15220

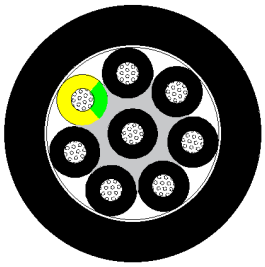
动力电缆 POWER CABLE

03

FNFLEX-JP-TPV

CE 认证 TPV 护套柔性动力电缆

CE certified TPV sheathed flexible power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 ISO6722；
耐低温最低 -60℃；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾。

技术认证

CE 认证；
符合 IEC60502；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPV 芯线绝缘；
无纺布绕包；
TPV 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线；
温度范围：
　　固定安装：-60 至+ 125℃；
　　移动安装：-50 至+ 125℃；
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These power cables are mainly used in power drive systems of industrial automation equipment. With certain flexibility, they are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Ideal for use in industrial environments requiring excellent mechanical and chemical resistance.

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to ISO6722;
Low temperature resistance down to -60℃ ;
Tear and cut resistant;
UV resistant, hydrolysis resistant, and salt spray resistant.

Technical certification

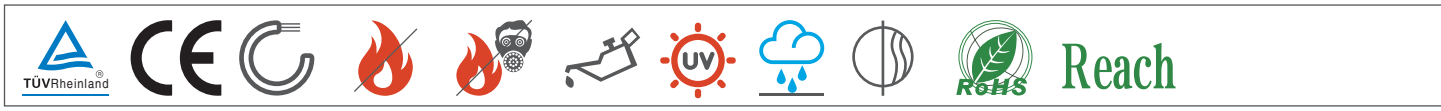
CE certification;
conform to IEC60502;
RoHS, REACH.

Cable structure

Stranded bare copper, conform to IEC 60228, Class 5;
TPV core insulation;
Non-woven fabric wrapping;
TPV outer sheath;
Outer sheath color: gray (RAL 7001).

Technical parameters

Core identification:
Black cores with white number according to DIN VDE 0293;
Conductor resistance:
conform to IEC 60228, Class 5 standards;
Rated voltage: 0.6/1kV;
Insulation resistance: > 20MΩ × km;
Test voltage: 4000V;
Grounding protection core:
　　G = with yellow-green grounding protection core;
　　X = without yellow-green grounding protection core;
Temperature range:
　　Fixed installation: -60 to +125℃ ;
　　Mobile installation: -50 to +125℃ ;
Minimum bending radius:
　　Fixed installation: 4 × cable diameter;
　　Occasional movement: 15 × cable diameter.



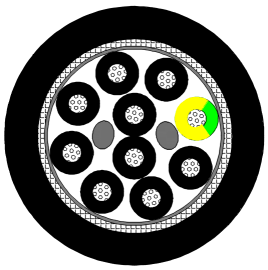
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.5	74	192
2	3G4.0mm²	13.5	111	261
3	4G4.0mm²	14.7	148	329
4	5G4.0mm²	16.3	184	405
5	2X6.0mm²	14.4	110	261
6	3G6.0mm²	15.3	165	351
7	4G6.0mm²	16.9	220	452
8	5G6.0mm²	18.7	274	558
9	2X10mm²	16.6	184	376
10	3G10mm²	17.8	275	519
11	4G10mm²	19.7	367	671
12	5G10mm²	22.0	459	837
13	2X16mm²	19.3	293	544
14	3G16mm²	20.6	440	749
15	4G16mm²	23.0	587	982
16	5G16mm²	25.6	733	1222
17	2X25mm²	23.7	459	833
18	3G25mm²	25.3	688	1149
19	4G25mm²	28.1	918	1502
20	5G25mm²	31.3	1147	1865
21	2X35mm²	26.9	642	1109
22	3G35mm²	28.7	963	1538
23	4G35mm²	31.9	1283	2011
24	5G35mm²	35.8	1604	2526
25	2X50mm²	31.8	916	1562
26	3G50mm²	33.9	1374	2171

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1832	2865
28	5G50mm²	42.1	2290	3549
29	2X70mm²	35.9	1283	2078
30	3G70mm²	38.6	1925	2938
31	4G70mm²	43.2	2567	3869
32	5G70mm²	47.9	3208	4790
33	2X95mm²	41.5	1741	2795
34	3G95mm²	44.6	2612	3952
35	4G95mm²	49.4	3483	5155
36	5G95mm²	54.8	4354	6385
37	2X120mm²	45.3	2200	3429
38	3G120mm²	48.8	3299	4860
39	4G120mm²	54.0	4399	6346
40	5G120mm²	59.8	5499	7863
41	2X150mm²	50.2	2749	4236
42	3G150mm²	54.0	4123	6015
43	4G150mm²	59.8	5497	7860
44	5G150mm²	66.5	6871	9769
45	2X185mm²	55.2	3387	5164
46	3G185mm²	59.4	5080	7346
47	4G185mm²	66.0	6774	9632
48	5G185mm²	73.3	8467	11968
49	2X240mm²	62.4	4389	6642
50	3G240mm²	66.7	6583	9393
51	4G240mm²	74.0	8778	12320
52	5G240mm²	82.0	10972	15273

FNFLEX-JCP-TPV

CE 认证 TPV 护套柔性屏蔽动力电缆

CE certified TPV sheathed flexible shielded power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These power cables are mainly used in power drive systems of industrial automation equipment. With certain flexibility, the overall tinned copper wire braided shield makes them particularly suitable for applications requiring electromagnetic interference resistance. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Ideal for use in industrial environments requiring excellent mechanical and chemical resistance.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 ISO6722；
耐低温最低 -60℃；
抗撕裂，耐切割；
抗 UV，耐水解，耐盐雾；
电磁兼容 EMC 场合。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to IEC 60332-1-2;
Oil resistance conform to ISO 6722;
Low temperature resistance down to -60℃ ;
Tear and cut resistant;
UV resistant, hydrolysis resistant, and salt spray resistant;
Suitable for EMC (Electromagnetic Compatibility) applications.

技术认证

CE 认证；
符合 IEC60502；
RoHS，REACH。

Technical certification

CE certification;
conform to IEC 60502;
RoHS, REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPV 芯线绝缘；
镀锡编织屏蔽，大约 80% 覆盖率；
TPV 外护套；
外护套灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC 60228, Class 5;
TPV core insulation;
Tinned copper braided shield, with approximately 80% coverage;
TPV outer sheath;
Outer sheath color: gray (RAL 7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线；
温度范围：
　　固定安装：−60 至+ 125℃；
　　移动安装：−50 至+ 125℃；
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core identification:
Black cores with white number according to DIN VDE 0293;
Conductor resistance:
conform to IEC 60228, Class 5 standards;
Rated voltage: 0.6/1kV;
Insulation resistance: ＞ 20MΩ × km;
Test voltage: 4000V;
Grounding protection core:
　　G = with yellow−green grounding protection core;
　　X = without yellow−green grounding protection core;
Temperature range:
　　Fixed installation: −60 to +125℃ ;
　　Mobile installation: −50 to +125℃ ;
Minimum bending radius:
　　Fixed installation: 6× cable diameter;
　　Occasional movement: 20× cable diameter.

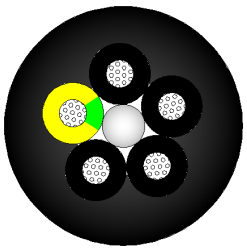
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	13.0	103	223
2	3G4.0mm²	13.5	142	290
3	4G4.0mm²	14.7	183	361
4	5G4.0mm²	16.3	224	440
5	2X6.0mm²	14.4	144	293
6	3G6.0mm²	15.3	202	385
7	4G6.0mm²	16.9	261	489
8	5G6.0mm²	18.7	320	599
9	2X10mm²	16.6	224	413
10	3G10mm²	17.8	319	559
11	4G10mm²	19.7	432	731
12	5G10mm²	22.0	531	903
13	2X16mm²	19.3	357	604
14	3G16mm²	20.6	508	812
15	4G16mm²	23.0	663	1051
16	5G16mm²	25.6	818	1298
17	2X25mm²	23.7	536	906
18	3G25mm²	25.3	772	1225
19	4G25mm²	28.1	1011	1585
20	5G25mm²	31.3	1252	1957
21	2X35mm²	26.9	730	1191
22	3G35mm²	28.7	1058	1624
23	4G35mm²	31.9	1390	2105
24	5G35mm²	35.8	1723	2629
25	2X50mm²	31.8	1021	1658
26	3G50mm²	33.9	1487	2270

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
27	4G50mm²	38.0	1958	2973
28	5G50mm²	42.1	2467	3703
29	2X70mm²	35.9	1402	2186
30	3G70mm²	38.6	2054	3050
31	4G70mm²	43.2	2746	4027
32	5G70mm²	47.9	3409	4964
33	2X95mm²	41.5	1914	2953
34	3G95mm²	44.6	2799	4116
35	4G95mm²	49.4	3691	5334
36	5G95mm²	54.8	4587	6582
37	2X120mm²	45.3	2390	3602
38	3G120mm²	48.8	3504	5040
39	4G120mm²	54.0	4628	6541
40	5G120mm²	59.8	5819	8140
41	2X150mm²	50.2	2961	4427
42	3G150mm²	54.0	4352	6212
43	4G150mm²	59.8	5817	8137
44	5G150mm²	66.5	7229	10073
45	2X185mm²	55.2	3622	5373
46	3G185mm²	59.4	5398	7624
47	4G185mm²	66.0	7128	9935
48	5G185mm²	73.3	8864	12298
49	2X240mm²	62.4	4722	6941
50	3G240mm²	66.7	6943	9702
51	4G240mm²	74.0	9179	12654
52	5G240mm²	82.0	11420	15637

AWM 20234

UL/CUL 认证 PUR 护套柔性动力电缆

UL/CUL certified PUR sheathed flexible power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

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- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
北美市场广泛认可；
良好的剥离性。

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20234，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
无纺布绕包；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：> 20MΩ x km；
测试电压：3000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility, and are suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Applicable to wiring (AWM) cables in American industrial machinery equipment.

Product characteristics

Flexible, easy to bend;
Flame retardant according to FT1, VW-1;
Oil resistance shall conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Widely recognized in the North American market;
Good peeling property.

Technical certification

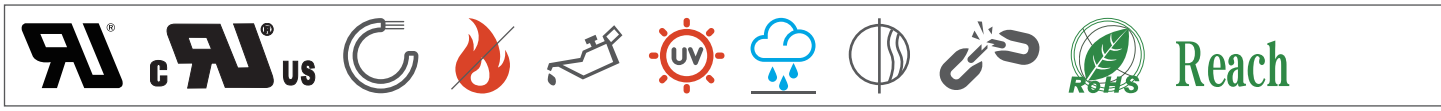
UL/cUL certification;
conform to UL758 TYPE 20234, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS, REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581;
Rated voltage: 1000V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　occasional movement: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.1	24	65
2	3G16AWG	7.5	36	84
3	4G16AWG	8.4	48	109
4	5G16AWG	9.3	60	136
5	6G16AWG	10.3	72	161
6	7G16AWG	11.3	84	199
7	8G16AWG	12.4	96	235
8	10G16AWG	13.1	121	252
9	12G16AWG	13.7	145	293
10	16G16AWG	15.1	193	374
11	2X14AWG	8.1	38	90
12	3G14AWG	8.6	57	117
13	4G14AWG	9.5	76	152
14	5G14AWG	10.6	95	188
15	6G14AWG	11.7	114	223
16	7G14AWG	12.8	133	274
17	8G14AWG	13.9	152	317
18	10G14AWG	15.1	190	358
19	12G14AWG	15.6	228	409
20	2X12AWG	9.1	60	121
21	3G12AWG	9.8	90	166
22	4G12AWG	11.0	121	215
23	5G12AWG	12.2	151	266
24	6G12AWG	13.4	181	316

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	7G12AWG	14.7	211	387
26	8G12AWG	16.1	241	456
27	10G12AWG	17.5	301	515
28	12G12AWG	18.0	362	591
29	2X10AWG	11.4	97	184
30	3G10AWG	12.3	146	251
31	4G10AWG	13.6	195	325
32	5G10AWG	15.1	243	418
33	2X8AWG	14.4	156	293
34	3G8AWG	15.4	234	398
35	4G8AWG	17.0	311	507
36	5G8AWG	18.7	389	652
37	2X6AWG	18.6	247	469
38	3G6AWG	19.9	370	639
39	4G6AWG	22.4	493	838
40	5G6AWG	24.9	616	1091
41	2X4AWG	22.0	405	704
42	3G4AWG	23.7	608	976
43	4G4AWG	26.1	810	1252
44	5G4AWG	29.4	1013	1651
45	2X2AWG	26.0	599	1012
46	3G2AWG	27.6	898	1374
47	4G2AWG	31.2	1198	1826
48	5G2AWG	34.6	1497	2356

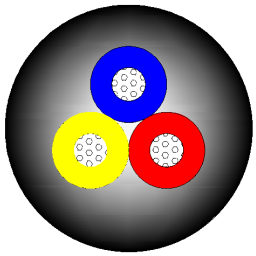
动力电缆 POWER CABLE

03

AWM 20940

UL/CUL 认证 PUR 护套柔性动力电缆

UL/CUL Certified PUR Sheathed Flexible Power Cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。适用于美国工业机械设备内的布线（AWM）电缆。

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
北美市场广泛认可；
良好的剥离性。

技术认证

符合 UL AWM 20940 型；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
无纺布绕包；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：> 20MΩ x km；
测试电压：3000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：15X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility, and are suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Applicable to wiring (AWM) cables in American industrial machinery equipment.

Product characteristics

Flexible, easy to bend;
Flame retardant according to FT1, VW-1;
Oil resistance shall conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Widely recognized in the North American market;
Good peeling property.

Technical certification

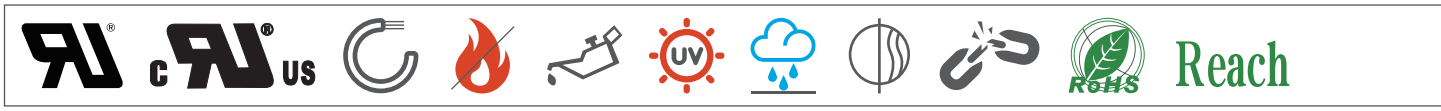
conform to UL AWM Type 20940;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581;
Rated voltage: 1000V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
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8	10G16AWG	13.1	121	252
9	12G16AWG	13.7	145	293
10	16G16AWG	15.1	193	374
11	2X14AWG	8.1	38	90
12	3G14AWG	8.6	57	117
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44	5G4AWG	29.4	1013	1651
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46	3G2AWG	27.6	898	1374
47	4G2AWG	31.2	1198	1826
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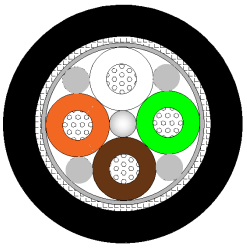
动力电缆 POWER CABLE

03

AWM 20234-S

UL/CUL 认证 PUR 护套柔性屏蔽动力电缆

UL/CUL Certified PUR Sheathed Flexible Shielded Power Cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
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- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility. The overall tinned copper wire shield is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Applicable to wiring (AWM) cables in American industrial machinery equipment.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
PUR 护套，抗撕裂及切割；
北美市场广泛认可；
良好的剥离性。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Oil resistance conform to EN60811-404;
EMC occasions;
PUR sheath, tear and cutting resistant;
Widely recognized in the North American market;
Good peeling property.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20234，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

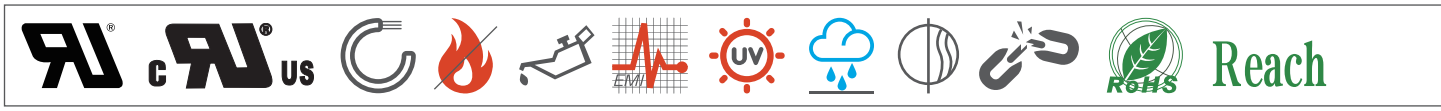
UL/cUL certification;
conform to UL758 TYPE 20234, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581;
Rated voltage: 1000V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diamete;
　　occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.8	40	91
2	3G16AWG	8.2	53	111
3	4G16AWG	9.1	68	140
4	5G16AWG	10.0	82	170
5	6G16AWG	11.0	96	200
6	7G16AWG	12.0	111	241
7	8G16AWG	13.1	125	283
8	10G16AWG	13.8	152	302
9	12G16AWG	14.4	177	346
10	2X14AWG	8.8	57	119
11	3G14AWG	9.3	77	148
12	4G14AWG	10.2	98	187
13	5G14AWG	11.3	120	228
14	6G14AWG	12.4	141	268
15	7G14AWG	13.5	163	323
16	8G14AWG	14.6	185	371
17	10G14AWG	15.8	226	417
18	12G14AWG	16.3	266	470
19	2X12AWG	9.8	82	155
20	3G12AWG	10.5	113	202
21	4G12AWG	11.7	146	256
22	5G12AWG	12.9	179	313
23	6G12AWG	14.1	213	368
24	7G12AWG	15.4	246	444

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	8G12AWG	16.8	280	520
26	10G12AWG	18.2	344	586
27	12G12AWG	18.7	405	664
28	2X10AWG	12.0	124	224
29	3G10AWG	12.9	175	294
30	4G10AWG	14.2	227	374
31	5G10AWG	15.7	279	473
32	2X8AWG	15.0	190	345
33	3G8AWG	16.0	270	454
34	4G8AWG	17.6	352	570
35	5G8AWG	19.3	450	737
36	2X6AWG	19.2	307	553
37	3G6AWG	20.5	435	730
38	4G6AWG	23.0	566	942
39	5G6AWG	25.5	698	1209
40	2X4AWG	22.6	477	807
41	3G4AWG	24.3	685	1087
42	4G4AWG	26.7	897	1376
43	5G4AWG	30.0	1109	1795
44	2X2AWG	26.6	683	1136
45	3G2AWG	28.2	989	1507
46	4G2AWG	31.8	1299	1981
47	5G2AWG	35.2	1611	2531

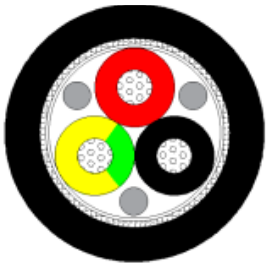
动力电缆 POWER CABLE

03

AWM 20940-S

UL/CUL 认证 PUR 护套柔性屏蔽动力电缆

UL/CUL Certified PUR Sheathed Flexible Shielded Power Cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, with a certain amount of flexibility. The overall tinned copper wire shield is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for fixed installation and occasional bending occasions with free, discontinuous reciprocating movement when there is no tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. Applicable to wiring (AWM) cables in American industrial machinery equipment.

产品特性

柔性，易弯曲；
阻燃性符合 FT1,VW-1；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
PUR 护套，抗撕裂及切割；
北美市场广泛认可；
良好的剥离性。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Oil resistance conform to EN60811-404;
EMC occasions;
PUR sheath, tear and cutting resistant;
Widely recognized in the North American market;
Good peeling property.

技术认证

符合 UL AWM 20940 型；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

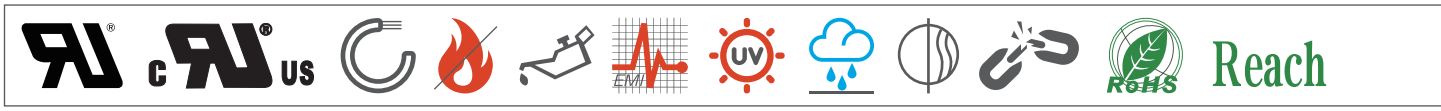
conform to UL AWM Type 20940;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
PUR 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Wrapping of aluminum plastic composite film;
Tinned copper wire braided shield, about 80% coverage;
PUR outer sheath;
Outer sheath color:black or gray (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号
导体电阻：UL1581
额定电压：1000V
绝缘电阻：＞ 20MΩ x km
测试电压：3000V
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−5 至+ 70℃。
最小弯曲半径：
固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581;
Rated voltage: 1000V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diamete;
occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.8	40	91
2	3G16AWG	8.2	53	111
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7	8G16AWG	13.1	125	283
8	10G16AWG	13.8	152	302
9	12G16AWG	14.4	177	346
10	2X14AWG	8.8	57	119
11	3G14AWG	9.3	77	148
12	4G14AWG	10.2	98	187
13	5G14AWG	11.3	120	228
14	6G14AWG	12.4	141	268
15	7G14AWG	13.5	163	323
16	8G14AWG	14.6	185	371
17	10G14AWG	15.8	226	417
18	12G14AWG	16.3	266	470
19	2X12AWG	9.8	82	155
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24	7G12AWG	15.4	246	444

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	8G12AWG	16.8	280	520
26	10G12AWG	18.2	344	586
27	12G12AWG	18.7	405	664
28	2X10AWG	12.0	124	224
29	3G10AWG	12.9	175	294
30	4G10AWG	14.2	227	374
31	5G10AWG	15.7	279	473
32	2X8AWG	15.0	190	345
33	3G8AWG	16.0	270	454
34	4G8AWG	17.6	352	570
35	5G8AWG	19.3	450	737
36	2X6AWG	19.2	307	553
37	3G6AWG	20.5	435	730
38	4G6AWG	23.0	566	942
39	5G6AWG	25.5	698	1209
40	2X4AWG	22.6	477	807
41	3G4AWG	24.3	685	1087
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44	2X2AWG	26.6	683	1136
45	3G2AWG	28.2	989	1507
46	4G2AWG	31.8	1299	1981
47	5G2AWG	35.2	1611	2531

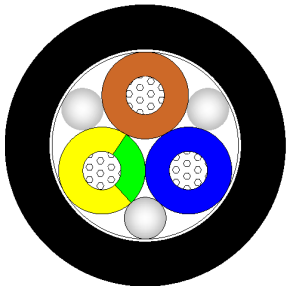
动力电缆 POWER CABLE

03

AWM 22188

UL/CUL 认证 TPE 护套柔性动力电缆

UL/CUL certified TPE sheathed flexible power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in power drive systems of industrial automation equipment. With certain flexibility, they are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Ideal for use in industrial environments requiring excellent mechanical and chemical resistance. Applicable as Appliance Wiring Material (AWM) cables for internal wiring in industrial machinery and equipment in the United States.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1,VW-1；
耐油性符合 EN60811-404；
北美市场广泛认可；
良好的剥离性。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1 and VW-1;
Oil resistance conform to EN 60811-404;
Widely recognized in the North American market
Good peelability.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 22188，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 22188, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE/TPES/PVC/HDPE 芯线绝缘可选；
无纺布绕包；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC 60228, Class 5;
TPE/TPES/PVC/HDPE core wire insulation is optional;
Non-woven fabric wrapping;
TPE outer sheath;
Outer sheath color: black or gray (RAL 7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−15 至+ 80℃；
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core identification: Black cores with white number according to DIN VDE 0293;
Conductor resistance: Per UL 1581;
Rated voltage: 1000V;
Insulation resistance: > 20MΩ × km;
Test voltage: 3000V;
Grounding protection core:
G = with yellow-green grounding protection core;
X = without yellow-green grounding protection core;
Temperature range:
Fixed installation: −40 to +80℃ ;
Mobile installation: −15 to +80℃ ;
Minimum bending radius:
Fixed installation: 4 × cable diameter;
Occasional movement: 15 × cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.1	24	65
2	3G16AWG	7.5	36	84
3	4G16AWG	8.4	48	109
4	5G16AWG	9.3	60	136
5	6G16AWG	10.3	72	161
6	7G16AWG	11.3	84	199
7	8G16AWG	12.4	96	235
8	10G16AWG	13.1	121	252
9	12G16AWG	13.7	145	293
10	16G16AWG	15.1	193	374
11	2X14AWG	8.1	38	90
12	3G14AWG	8.6	57	117
13	4G14AWG	9.5	76	152
14	5G14AWG	10.6	95	188
15	6G14AWG	11.7	114	223
16	7G14AWG	12.8	133	274
17	8G14AWG	13.9	152	317
18	10G14AWG	15.1	190	358
19	12G14AWG	15.6	228	409
20	2X12AWG	9.1	60	121
21	3G12AWG	9.8	90	166
22	4G12AWG	11.0	121	215
23	5G12AWG	12.2	151	266
24	6G12AWG	13.4	181	316

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	7G12AWG	14.7	211	387
26	8G12AWG	16.1	241	456
27	10G12AWG	17.5	301	515
28	12G12AWG	18.0	362	591
29	2X10AWG	11.4	97	184
30	3G10AWG	12.3	146	251
31	4G10AWG	13.6	195	325
32	5G10AWG	15.1	243	418
33	2X8AWG	14.4	156	293
34	3G8AWG	15.4	234	398
35	4G8AWG	17.0	311	507
36	5G8AWG	18.7	389	652
37	2X6AWG	18.6	247	469
38	3G6AWG	19.9	370	639
39	4G6AWG	22.4	493	838
40	5G6AWG	24.9	616	1091
41	2X4AWG	22.0	405	704
42	3G4AWG	23.7	608	976
43	4G4AWG	26.1	810	1252
44	5G4AWG	29.4	1013	1651
45	2X2AWG	26.0	599	1012
46	3G2AWG	27.6	898	1374
47	4G2AWG	31.2	1198	1826
48	5G2AWG	34.6	1497	2356

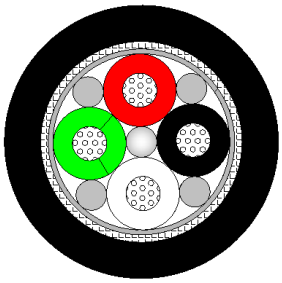
动力电缆 POWER CABLE

03

AWM 22188-S

UL/CUL 认证 TPE 护套柔性屏蔽动力电缆

UL/CUL certified TPE sheathed flexible shielded power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in power drive systems of industrial automation equipment. With certain flexibility, the overall tinned copper wire braided shield makes them particularly suitable for applications requiring electromagnetic interference resistance. They are suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Ideal for use in industrial environments requiring excellent mechanical and chemical resistance. Applicable as Appliance Wiring Material (AWM) cables for internal wiring in industrial machinery and equipment in the United States.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1,VW-1；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
北美市场广泛认可；
良好的剥离性。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1 and VW-1;
Oil resistance conform to EN 60811-404;
Suitable for EMC (Electromagnetic Compatibility) applications;
Widely recognized in the North American market;
Good peelability.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 22188，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 22188, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE/TPES/PVC/HDPE 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC 60228, Class 5;
TPE/TPES/PVC/HDPE core wire insulation is optional;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shield, with approximately 80% coverage;
TPE outer sheath;
Outer sheath color: black or gray (RAL 7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−15 至+ 80℃；
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core identification: Black cores with white number according to DIN VDE 0293;
Conductor resistance: Per UL 1581;
Rated voltage: 1000V;
Insulation resistance: > 20MΩ × km;
Test voltage: 3000V;
Grounding protection core:
　　G = with yellow−green grounding protection core;
　　X = without yellow−green grounding protection core;
Temperature range:
　　Fixed installation: −40 to +80℃ ;
　　Mobile installation: −15 to +80℃ ;
Minimum bending radius:
　　Fixed installation: 6× cable diameter;
　　Occasional movement: 20× cable diameter.

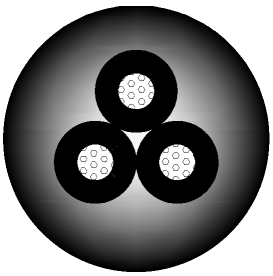
物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.8	40	91
2	3G16AWG	8.2	53	111
3	4G16AWG	9.1	68	140
4	5G16AWG	10.0	82	170
5	6G16AWG	11.0	96	200
6	7G16AWG	12.0	111	241
7	8G16AWG	13.1	125	283
8	10G16AWG	13.8	152	302
9	12G16AWG	14.4	177	346
10	2X14AWG	8.8	57	119
11	3G14AWG	9.3	77	148
12	4G14AWG	10.2	98	187
13	5G14AWG	11.3	120	228
14	6G14AWG	12.4	141	268
15	7G14AWG	13.5	163	323
16	8G14AWG	14.6	185	371
17	10G14AWG	15.8	226	417
18	12G14AWG	16.3	266	470
19	2X12AWG	9.8	82	155
20	3G12AWG	10.5	113	202
21	4G12AWG	11.7	146	256
22	5G12AWG	12.9	179	313
23	6G12AWG	14.1	213	368
24	7G12AWG	15.4	246	444

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	8G12AWG	16.8	280	520
26	10G12AWG	18.2	344	586
27	12G12AWG	18.7	405	664
28	2X10AWG	12.0	124	224
29	3G10AWG	12.9	175	294
30	4G10AWG	14.2	227	374
31	5G10AWG	15.7	279	473
32	2X8AWG	15.0	190	345
33	3G8AWG	16.0	270	454
34	4G8AWG	17.6	352	570
35	5G8AWG	19.3	450	737
36	2X6AWG	19.2	307	553
37	3G6AWG	20.5	435	730
38	4G6AWG	23.0	566	942
39	5G6AWG	25.5	698	1209
40	2X4AWG	22.6	477	807
41	3G4AWG	24.3	685	1087
42	4G4AWG	26.7	897	1376
43	5G4AWG	30.0	1109	1795
44	2X2AWG	26.6	683	1136
45	3G2AWG	28.2	989	1507
46	4G2AWG	31.8	1299	1981
47	5G2AWG	35.2	1611	2531

AWM 22008

UL/CUL 认证 耐热 TPE 护套柔性动力电缆

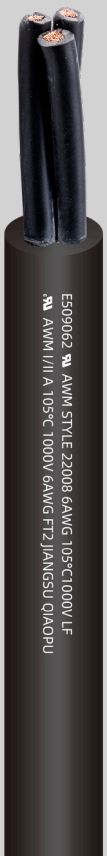
UL/CUL certified heat-resistant TPE sheathed flexible power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive systems of industrial automation equipment. They have certain flexibility and are suitable for fixed installation as well as occasional bending occasions with free and non-continuous reciprocating movement without tensile load. They are applicable to wiring (AWM) cables in industrial machinery and equipment in the United States.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1，VW-1；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1 and VW-1;
Widely recognized in the North American market;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 22008，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 22008, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE/PVC 芯线绝缘可选；
无纺布绕包；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC 60228, Class 5;
TPE/PVC core wire insulation is optional;
Non-woven fabric wrapping;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线；
温度范围：
　　固定安装：−40 至+ 105℃；
　　移动安装：−15 至+ 105℃；
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
According to DIN VDE 0293, black cores with white digital number;
Conductor resistance: UL 1581;
Rated voltage: 1000V;
Insulation resistance: > 20MΩ x km;
Test voltage: 3000V;
Grounding protection core:
　　G = with yellow−green grounding protection core;
　　X = without yellow−green grounding protection core;
Temperature range:
　　Fixed installation: −40 to +105℃ ;
　　Mobile installation: −15 to +105℃ ;
Minimum bending radius:
　　Fixed installation: 4X cable diameter;
　　Occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.1	24	69
2	3G16AWG	7.5	36	89
3	4G16AWG	8.4	48	115
4	5G16AWG	9.3	60	143
5	6G16AWG	10.3	72	170
6	7G16AWG	11.3	84	209
7	8G16AWG	12.4	96	248
8	10G16AWG	13.1	121	265
9	12G16AWG	13.7	145	308
10	16G16AWG	15.1	193	393
11	2X14AWG	8.1	38	95
12	3G14AWG	8.6	57	123
13	4G14AWG	9.5	76	160
14	5G14AWG	10.6	95	198
15	6G14AWG	11.7	114	235
16	7G14AWG	12.8	133	289
17	8G14AWG	13.9	152	334
18	10G14AWG	15.1	190	376
19	12G14AWG	15.6	228	430
20	2X12AWG	9.1	60	128
21	3G12AWG	9.8	90	174
22	4G12AWG	11.0	121	226
23	5G12AWG	12.2	151	280
24	6G12AWG	13.4	181	333

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	7G12AWG	14.7	211	407
26	8G12AWG	16.1	241	479
27	10G12AWG	17.5	301	542
28	12G12AWG	18.0	362	622
29	2X10AWG	11.4	97	194
30	3G10AWG	12.3	146	264
31	4G10AWG	13.6	195	342
32	5G10AWG	15.1	243	440
33	2X8AWG	14.4	156	308
34	3G8AWG	15.4	234	419
35	4G8AWG	17.0	311	534
36	5G8AWG	18.7	389	687
37	2X6AWG	18.6	247	494
38	3G6AWG	19.9	370	672
39	4G6AWG	22.4	493	882
40	5G6AWG	24.9	616	1148
41	2X4AWG	22.0	405	741
42	3G4AWG	23.7	608	1027
43	4G4AWG	26.1	810	1317
44	5G4AWG	29.4	1013	1738
45	2X2AWG	26.0	599	1065
46	3G2AWG	27.6	898	1447
47	4G2AWG	31.2	1198	1922
48	5G2AWG	34.6	1497	2480

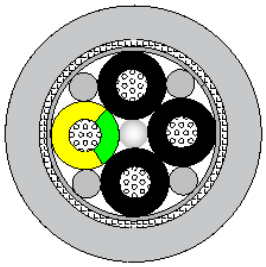
动力电缆 POWER CABLE

03

AWM 22008-S

UL/CUL 认证 耐热 TPE 护套柔性屏蔽动力电缆

UL/CUL certified heat-resistant TPE sheathed flexible shielded power cable



弹性体护套柔性动力电缆

ELASTOMER SHEATHED FLEXIBLE POWER CABLE

- FNFLEX-JP-PUR
- FNFLEX-JCP-PUR
- FNFLEX-JP-TPE
- FNFLEX-JCP-TPE
- FNFLEX-JP-TPV
- FNFLEX-JCP-TPV
- AWM 20234
- AWM 20940
- AWM 20234-S
- AWM 20940-S
- AWM 22188
- AWM 22188-S
- AWM 22008
- AWM 22008-S



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，具有一定的柔性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适用于美国工业机械设备内的布线（AWM）电缆。

Scope of application

These power cables are mainly used in the power drive systems of industrial automation equipment. They feature a certain degree of flexibility, and their overall tinned copper wire shielding layer is particularly suitable for applications requiring anti-electromagnetic interference. They are applicable to fixed installations as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. They are suitable for wiring (AWM) cables in industrial machinery and equipment in the United States.

产品特性

无卤材料；
柔性，易弯曲；
阻燃性符合 FT1，VW-1；
电磁兼容 EMC 场合；
北美市场广泛认可；
良好的剥离性；
偶尔移动。

Product characteristics

Halogen-free material;
Flexible and easy to bend;
Flame retardancy conform to FT1 and VW-1;
Suitable for electromagnetic compatibility (EMC) occasions;
Widely recognized in the North American market;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 22008，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 22008, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE/PVC 芯线绝缘可选；
铝塑复合薄膜绕包；
镀锡铜丝编织屏蔽，大约 80% 覆盖率；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Stranded bare copper, conform to IEC 60228, Class 5;
TPE/PVC core wire insulation is optional;
Aluminum-plastic composite film wrapping;
Tinned copper wire braided shielding, with approximately 80% coverage;
TPE outer sheath;
Outer sheath color: black or gray (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线；
温度范围：
　　固定安装：−40 至+ 105℃；
　　移动安装：−15 至+ 105℃；
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core identification:
In accordance with DIN VDE，0293, black cores with white digital number;
Conductor resistance: UL 1581;
Rated voltage: 1000V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Grounding protection core:
　　G = with yellow−green grounding protection core;
　　X = without yellow−green grounding protection core;
Temperature range:
　　Fixed installation: −40 to +105℃ ;
　　Mobile installation: −15 to +105℃ ;
Minimum bending radius:
　　Fixed installation: 6X cable diameter;
　　Occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X16AWG	7.8	40	96
2	3G16AWG	8.2	53	117
3	4G16AWG	9.1	68	147
4	5G16AWG	10.0	82	179
5	6G16AWG	11.0	96	210
6	7G16AWG	12.0	111	254
7	8G16AWG	13.1	125	298
8	10G16AWG	13.8	152	318
9	12G16AWG	14.4	177	364
10	2X14AWG	8.8	57	125
11	3G14AWG	9.3	77	156
12	4G14AWG	10.2	98	197
13	5G14AWG	11.3	120	240
14	6G14AWG	12.4	141	282
15	7G14AWG	13.5	163	340
16	8G14AWG	14.6	185	391
17	10G14AWG	15.8	226	439
18	12G14AWG	16.3	266	495
19	2X12AWG	9.8	82	163
20	3G12AWG	10.5	113	213
21	4G12AWG	11.7	146	270
22	5G12AWG	12.9	179	329
23	6G12AWG	14.1	213	387
24	7G12AWG	15.4	246	468

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
25	8G12AWG	16.8	280	547
26	10G12AWG	18.2	344	617
27	12G12AWG	18.7	405	699
28	2X10AWG	12.0	124	236
29	3G10AWG	12.9	175	309
30	4G10AWG	14.2	227	394
31	5G10AWG	15.7	279	497
32	2X8AWG	15.0	190	363
33	3G8AWG	16.0	270	478
34	4G8AWG	17.6	352	599
35	5G8AWG	19.3	450	776
36	2X6AWG	19.2	307	582
37	3G6AWG	20.5	435	768
38	4G6AWG	23.0	566	991
39	5G6AWG	25.5	698	1272
40	2X4AWG	22.6	477	849
41	3G4AWG	24.3	685	1145
42	4G4AWG	26.7	897	1448
43	5G4AWG	30.0	1109	1889
44	2X2AWG	26.6	683	1196
45	3G2AWG	28.2	989	1586
46	4G2AWG	31.8	1299	2085
47	5G2AWG	35.2	1611	2664



WIPOUS®
维普斯

拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

应用领域APPLICATION FIELD:

自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，适合在频繁运动的机械场所使用

A data transmission system used in automated production processes for measuring, controlling, and adjusting signals, which is more flexible and durable, and suitable for use in frequently moving mechanical locations.



特点CHARACTERISTIC:

采用CALSS 6类导体精绞合

Stranding using Calss 6 conductor

结构采用100%退扭层绞合、星绞合工艺

The structure adopts 100% untwisted layer stranding and star stranding process

高柔性

High flexibility

低粘性表面耐磨性能优异

Low viscosity surface, excellent wear resistance

阻燃性符合IEC 60332-1-2

Flame retardant in accordance with IEC60332-1-2

耐油性符合EN50290-2-22(TM54)标准

Oil resistance in accordance with EN50290-2-22 (TM54) standard

拖链循环使用寿命分≥500万次，≥1000万次和≥2000万次

The cycle service life of the drag chain is divided into ≥ 5 million times, ≥ 10 million times, and ≥ 20 million times



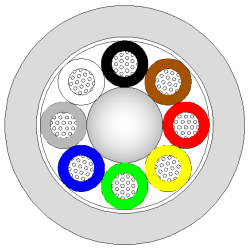
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-Y-PVC

中速 PVC 护套柔性拖链专用数据电缆

Medium speed PVC sheathed flexible drag chain special data cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

- FLEX001-Y-PVC
- FLEX001-CY-PVC
- FLEX001-CY-TP-PVC
- FLEX001-KY-PVC
- FLEX001-KCY-PVC
- FLEX001-JY-PVC
- FLEX001-JCY-PVC
- FLEX001-P-PUR
- FLEX001-CP-PUR
- FLEX001-CP-TP-PUR
- FLEX001-KP-PUR
- FLEX001-KCP-PUR
- FLEX001-JP-PUR
- FLEX001-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are more flexible and durable, suitable for use in frequently moving machinery places, and are specially designed for recycling in the power drag chain.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命。

Product characteristics

Product characteristics;
Flexible, easy to bend;
Low viscosity surface, wear-resistant
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70℃ ;
　　Moved installation: - 5 to+70℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.9	2.7	21
2	3X0.14mm²	4.1	4.0	24
3	4X0.14mm²	4.4	5.3	28
4	5X0.14mm²	4.7	6.6	32
5	6X0.14mm²	5.0	8.0	36
6	7X0.14mm²	5.3	9.3	41
7	8X0.14mm²	5.9	10.6	49
8	10X0.14mm²	6.8	13.3	61
9	12X0.14mm²	6.7	15.9	65
10	14X0.14mm²	7.0	18.6	72
11	15X0.14mm²	7.3	19.9	76
12	16X0.14mm²	7.3	21.3	79
13	18X0.14mm²	7.6	23.9	86
14	20X0.14mm²	7.9	26.6	94
15	22X0.14mm²	8.5	29.2	106
16	24X0.14mm²	8.9	31.9	115
17	25X0.14mm²	8.9	33.2	116
18	28X0.14mm²	9.1	37.2	124
19	30X0.14mm²	9.4	39.9	131
20	32X0.14mm²	9.7	42.5	139
21	34X0.14mm²	10.0	45.2	146
22	36X0.14mm²	10.0	47.8	151
23	38X0.14mm²	10.8	50.5	171
24	40X0.14mm²	11.1	53.2	179
25	42X0.14mm²	11.5	55.8	188
26	46X0.14mm²	11.9	61.1	204
27	50X0.14mm²	12.5	66.4	219
28	2X0.25mm²	4.3	4.7	26
29	3X0.25mm²	4.5	7.1	31
30	4X0.25mm²	4.8	9.5	36
31	5X0.25mm²	5.2	11.9	43
32	6X0.25mm²	5.8	14.2	51
33	7X0.25mm²	6.2	16.6	58
34	8X0.25mm²	6.6	19.0	65
35	10X0.25mm²	7.6	23.7	80
36	12X0.25mm²	7.5	28.5	87
37	14X0.25mm²	7.8	33.2	97
38	15X0.25mm²	8.4	35.6	108
39	16X0.25mm²	8.4	38.0	112
40	18X0.25mm²	8.8	42.7	123

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
41	20X0.25mm²	9.2	47.5	135
42	22X0.25mm²	9.6	52.2	146
43	24X0.25mm²	10.1	57.0	158
44	25X0.25mm²	10.1	59.3	160
45	28X0.25mm²	10.5	66.4	179
46	30X0.25mm²	10.8	71.2	189
47	32X0.25mm²	11.4	75.9	206
48	34X0.25mm²	11.8	80.7	218
49	36X0.25mm²	11.8	85.4	226
50	38X0.25mm²	12.4	90.2	244
51	40X0.25mm²	12.8	94.9	256
52	42X0.25mm²	13.3	99.7	269
53	46X0.25mm²	13.5	109.2	284
54	50X0.25mm²	14.4	118.7	314
55	2X0.34mm²	4.5	6.5	29
56	3X0.34mm²	4.7	9.7	35
57	4X0.34mm²	5.1	12.9	42
58	5X0.34mm²	5.7	16.1	52
59	6X0.34mm²	6.1	19.4	59
60	7X0.34mm²	6.5	22.6	67
61	8X0.34mm²	7.0	25.8	76
62	10X0.34mm²	8.1	32.3	93
63	12X0.34mm²	7.9	38.7	102
64	14X0.34mm²	8.5	45.2	119
65	15X0.34mm²	8.9	48.4	127
66	16X0.34mm²	8.9	51.6	132
67	18X0.34mm²	9.3	58.1	146
68	20X0.34mm²	9.7	64.5	159
69	22X0.34mm²	10.4	71.0	179
70	24X0.34mm²	10.9	77.5	193
71	25X0.34mm²	10.9	80.7	196
72	28X0.34mm²	11.3	90.4	218
73	30X0.34mm²	11.7	96.8	231
74	32X0.34mm²	12.1	103.3	245
75	34X0.34mm²	12.7	109.7	266
76	36X0.34mm²	12.7	116.2	276
77	38X0.34mm²	13.1	122.6	290
78	40X0.34mm²	13.5	129.1	305
79	42X0.34mm²	14.3	135.5	328
80	46X0.34mm²	14.5	148.5	347
81	50X0.34mm²	15.5	161.4	383

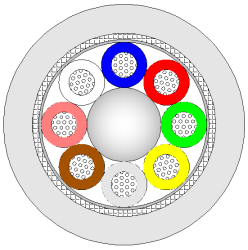
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-CY-PVC

中速 PVC 护套柔性拖链专用屏蔽数据电缆

Medium speed PVC sheathed flexible drag chain special shielded data cable



中速柔性
拖链电缆系列
MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving machinery places. It is specially designed for recycling in the power drag chain.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2;
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命 .

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812;
RoHS，REACH.

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　固定安装：-40 至+ 70℃；
　移动安装：-5 至+ 70℃。
最小弯曲半径：
　固定安装：4X 电缆直径；
　移动安装：10X 电缆直径。

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 1500V;
Capacitance:
　core/core is about 120nF/km;
　core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　fixed installation: - 40 to+70 ℃ ;
　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　fixed installation: 4X cable diameter;
　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.6	8.6	31
2	3X0.14mm²	4.8	10.3	35
3	4X0.14mm²	5.1	12.4	40
4	5X0.14mm²	5.4	14.5	45
5	6X0.14mm²	5.9	16.6	54
6	7X0.14mm²	6.2	18.8	59
7	8X0.14mm²	6.6	21.1	66
8	10X0.14mm²	7.2	24.7	77
9	12X0.14mm²	7.4	27.7	83
10	14X0.14mm²	7.7	33.8	94
11	15X0.14mm²	8.0	36.0	99
12	16X0.14mm²	8.0	37.3	102
13	18X0.14mm²	8.3	41.0	111
14	20X0.14mm²	8.6	44.6	119
15	22X0.14mm²	9.2	48.3	133
16	24X0.14mm²	9.6	52.2	143
17	25X0.14mm²	9.6	53.5	144
18	28X0.14mm²	9.8	58.0	153
19	30X0.14mm²	10.1	61.5	161
20	32X0.14mm²	10.4	65.1	170
21	34X0.14mm²	10.7	68.8	179
22	36X0.14mm²	10.7	71.4	184
23	38X0.14mm²	11.5	75.1	205
24	40X0.14mm²	11.8	78.7	214
25	42X0.14mm²	12.2	82.7	225
26	46X0.14mm²	12.6	88.5	242
27	50X0.14mm²	13.2	95.6	260
28	2X0.25mm²	5.0	11.7	38
29	3X0.25mm²	5.2	14.5	43
30	4X0.25mm²	5.7	17.8	53
31	5X0.25mm²	6.1	21.0	60
32	6X0.25mm²	6.5	24.4	68
33	7X0.25mm²	6.9	27.7	75
34	8X0.25mm²	7.5	31.2	88
35	10X0.25mm²	8.0	39.9	102
36	12X0.25mm²	8.2	45.2	111
37	14X0.25mm²	8.5	51.0	122
38	15X0.25mm²	9.1	54.4	135
39	16X0.25mm²	9.1	56.8	139
40	18X0.25mm²	9.5	62.7	152

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
41	20X0.25mm²	9.9	68.6	164
42	22X0.25mm²	10.3	74.6	177
43	24X0.25mm²	10.8	80.8	191
44	25X0.25mm²	10.8	83.2	193
45	28X0.25mm²	11.2	90.9	212
46	30X0.25mm²	11.5	96.7	224
47	32X0.25mm²	12.1	102.5	243
48	34X0.25mm²	12.5	108.4	256
49	36X0.25mm²	12.5	113.2	264
50	38X0.25mm²	13.1	119.1	284
51	40X0.25mm²	13.5	125.0	297
52	42X0.25mm²	14.0	131.3	312
53	46X0.25mm²	14.2	141.3	328
54	50X0.25mm²	15.1	152.9	361
55	2X0.34mm²	5.2	13.9	41
56	3X0.34mm²	5.4	17.6	48
57	4X0.34mm²	6.0	21.8	59
58	5X0.34mm²	6.4	26.0	68
59	6X0.34mm²	6.8	30.2	76
60	7X0.34mm²	7.4	34.5	90
61	8X0.34mm²	7.9	41.7	103
62	10X0.34mm²	8.4	49.6	116
63	12X0.34mm²	8.6	56.7	127
64	14X0.34mm²	9.2	64.3	146
65	15X0.34mm²	9.6	68.7	156
66	16X0.34mm²	9.6	71.9	161
67	18X0.34mm²	10.0	79.6	176
68	20X0.34mm²	10.4	87.3	191
69	22X0.34mm²	11.1	95.1	212
70	24X0.34mm²	11.6	103.1	229
71	25X0.34mm²	11.6	106.3	231
72	28X0.34mm²	12.0	116.6	255
73	30X0.34mm²	12.4	124.2	269
74	32X0.34mm²	12.8	131.8	284
75	34X0.34mm²	13.4	139.5	306
76	36X0.34mm²	13.4	146.0	317
77	38X0.34mm²	13.8	153.8	333
78	40X0.34mm²	14.2	161.4	348
79	42X0.34mm²	15.0	169.5	374
80	46X0.34mm²	15.2	183.0	394
81	50X0.34mm²	16.2	198.2	433

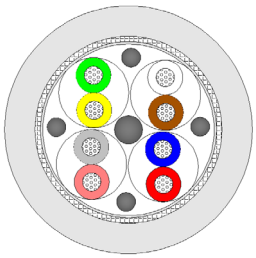
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-CY-TP-PVC

中速 PVC 护套柔性拖链专用对绞屏蔽数据电缆

Medium speed PVC sheathed flexible drag chain special twisted pair shielded data cable



中速柔性
拖链电缆系列
MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving machinery places. It is specially designed for recycling in the power drag chain.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
对绞结构可使电路去耦（串音效果）；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
The twisted pair structure can decouple the circuit (crosstalk effect);
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
芯线绞合成对；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Core twisted pair;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 70℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: core/core is about 120nF/km;
　　core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+70 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter,
　　Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2PX0.14mm²	6.1	14.7	51
2	3PX0.14mm²	6.5	18.4	59
3	4PX0.14mm²	7.2	22.3	73
4	5PX0.14mm²	7.7	28.9	85
5	6PX0.14mm²	8.2	33.3	95
6	7PX0.14mm²	8.8	37.6	105
7	8PX0.14mm²	9.6	42.3	122
8	10PX0.14mm²	10.3	49.6	140
9	12PX0.14mm²	10.7	55.9	160
10	14PX0.14mm²	11.2	62.8	174
11	15PX0.14mm²	11.9	67.1	191
12	16PX0.14mm²	11.9	69.8	197
13	18PX0.14mm²	12.5	76.9	214
14	20PX0.14mm²	13.2	84.0	239
15	25PX0.14mm²	14.5	101.5	279
16	2PX0.25mm²	6.8	20.6	62
17	3PX0.25mm²	7.4	26.6	78
18	4PX0.25mm²	8.0	35.6	96
19	5PX0.25mm²	8.6	42.3	108
20	6PX0.25mm²	9.2	49.1	122
21	7PX0.25mm²	10.1	55.9	142
22	8PX0.25mm²	11.0	63.1	164
23	10PX0.25mm²	12.0	75.1	196
24	12PX0.25mm²	12.3	85.8	218
25	14PX0.25mm²	13.1	97.3	245
26	15PX0.25mm²	13.7	103.9	261
27	16PX0.25mm²	13.7	108.8	269
28	18PX0.25mm²	14.3	120.5	294
29	20PX0.25mm²	15.0	132.3	320
30	25PX0.25mm²	16.7	161.1	386

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
31	2PX0.34mm²	7.1	24.9	69
32	3PX0.34mm²	7.8	35.4	91
33	4PX0.34mm²	8.4	43.8	109
34	5PX0.34mm²	9.0	52.4	124
35	6PX0.34mm²	9.9	61.2	145
36	7PX0.34mm²	10.8	69.9	168
37	8PX0.34mm²	11.6	78.9	188
38	10PX0.34mm²	12.6	94.6	225
39	12PX0.34mm²	13.0	109.0	252
40	14PX0.34mm²	13.6	124.1	277
41	15PX0.34mm²	14.5	132.6	302
42	16PX0.34mm²	14.5	139.3	313
43	18PX0.34mm²	15.4	154.7	351
44	20PX0.34mm²	16.1	170.0	382
45	25PX0.34mm²	18.1	208.1	471
46	2PX0.5mm²	8.1	37.4	97
47	3PX0.5mm²	8.7	49.0	119
48	4PX0.5mm²	9.7	61.1	151
49	5PX0.5mm²	10.7	73.4	178
50	6PX0.5mm²	11.6	85.8	203
51	7PX0.5mm²	12.7	98.2	235
52	8PX0.5mm²	13.7	111.1	264
53	10PX0.5mm²	15.0	133.8	318
54	12PX0.5mm²	15.6	154.6	367
55	14PX0.5mm²	16.4	176.5	404
56	15PX0.5mm²	17.5	188.8	440
57	16PX0.5mm²	17.5	198.6	457
58	18PX0.5mm²	18.6	220.8	512
59	20PX0.5mm²	19.5	259.1	576
60	25PX0.5mm²	21.9	316.2	707

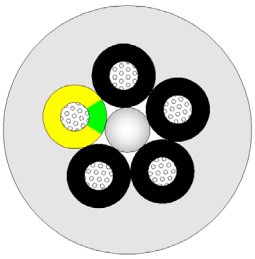
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-KY-PVC

中速 PVC 护套柔性拖链专用控制电缆

Medium speed PVC sheathed flexible drag chain special control cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

- FLEX001-Y-PVC
- FLEX001-CY-PVC
- FLEX001-CY-TP-PVC
- FLEX001-KY-PVC
- FLEX001-KCY-PVC
- FLEX001-JY-PVC
- FLEX001-JCY-PVC
- FLEX001-P-PUR
- FLEX001-CP-PUR
- FLEX001-CP-TP-PUR
- FLEX001-KP-PUR
- FLEX001-KCP-PUR
- FLEX001-JP-PUR
- FLEX001-JCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命。

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线，
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径，移动安装；
　　7.5X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment. They are more flexible and durable, suitable for use in frequently moving machinery places, and designed for recycling in power drag chains.

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

Technical certification

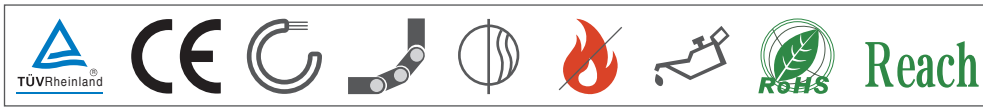
CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire,
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2x0.5mm²	5.7	9.5	45
2	3G0.5mm²	6.0	14.2	54
3	4G0.5mm²	6.4	19.0	65
4	5G0.5mm²	7.0	23.7	77
5	6G0.5mm²	7.7	28.5	92
6	7G0.5mm²	8.2	33.2	104
7	8G0.5mm²	8.9	38.0	124
8	10G0.5mm²	9.5	47.5	135
9	12G0.5mm²	9.8	57.0	151
10	14G0.5mm²	10.3	66.4	170
11	15G0.5mm²	11.0	71.2	188
12	16G0.5mm²	11.0	75.9	196
13	18G0.5mm²	11.7	85.4	223
14	20G0.5mm²	12.4	94.9	251
15	22G0.5mm²	13.0	104.4	279
16	24G0.5mm²	13.7	113.9	303
17	25G0.5mm²	13.7	118.7	299
18	28G0.5mm²	14.2	132.9	332
19	30G0.5mm²	14.7	142.4	352
20	32G0.5mm²	15.4	151.9	381
21	34G0.5mm²	15.9	161.4	402
22	36G0.5mm²	15.9	170.9	418
23	38G0.5mm²	16.7	180.4	450
24	40G0.5mm²	17.2	189.8	479
25	42G0.5mm²	18.1	199.3	514
26	46G0.5mm²	18.4	218.3	535
27	50G0.5mm²	19.4	237.3	578
28	2x0.75mm²	6.1	14.1	53
29	3G0.75mm²	6.4	21.1	66
30	4G0.75mm²	6.9	28.2	80
31	5G0.75mm²	7.7	35.2	99
32	6G0.75mm²	8.3	42.3	113
33	7G0.75mm²	8.9	49.3	134
34	8G0.75mm²	9.6	56.4	154
35	10G0.75mm²	10.5	70.4	174
36	12G0.75mm²	10.8	84.5	197
37	14G0.75mm²	11.3	98.6	222
38	15G0.75mm²	12.1	105.7	244
39	16G0.75mm²	12.1	112.7	255
40	18G0.75mm²	12.9	126.8	289
41	20G0.75mm²	13.5	140.9	322
42	22G0.75mm²	14.3	155.0	361
43	24G0.75mm²	15.3	169.1	401
44	25G0.75mm²	15.3	176.1	397
45	28G0.75mm²	15.6	197.3	430
46	30G0.75mm²	16.1	211.3	457
47	32G0.75mm²	16.9	225.4	494
48	34G0.75mm²	17.7	239.5	532
49	36G0.75mm²	17.7	253.6	553
50	38G0.75mm²	18.3	267.7	588
51	40G0.75mm²	18.9	281.8	620
52	42G0.75mm²	20.1	295.9	675
53	46G0.75mm²	20.4	324.1	705
54	50G0.75mm²	21.5	352.2	762
55	2x1.0mm²	6.7	18.8	64
56	3G1.0mm²	7.2	28.3	84
57	4G1.0mm²	7.9	37.7	103
58	5G1.0mm²	8.5	47.1	123
59	6G1.0mm²	9.2	56.5	141
60	7G1.0mm²	10.1	65.9	174
61	8G1.0mm²	10.9	75.3	200
62	10G1.0mm²	11.9	94.2	225
63	12G1.0mm²	12.4	113.0	261
64	14G1.0mm²	13.1	131.9	295
65	15G1.0mm²	13.7	141.3	316
66	16G1.0mm²	13.7	150.7	330
67	18G1.0mm²	14.6	169.5	374
68	20G1.0mm²	15.5	188.4	425

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
69	22G1.0mm²	16.2	207.2	467
70	24G1.0mm²	17.3	226.0	518
71	25G1.0mm²	17.3	235.5	512
72	28G1.0mm²	17.8	263.7	566
73	30G1.0mm²	18.5	282.5	601
74	32G1.0mm²	19.1	301.4	638
75	34G1.0mm²	20.2	320.2	697
76	36G1.0mm²	20.2	339.0	726
77	38G1.0mm²	20.9	357.9	771
78	40G1.0mm²	21.6	376.7	814
79	42G1.0mm²	22.9	395.6	882
80	46G1.0mm²	23.2	433.2	922
81	50G1.0mm²	24.9	470.9	1023
82	2x1.5mm²	7.9	28.3	90
83	3G1.5mm²	8.3	42.5	113
84	4G1.5mm²	9.1	56.7	141
85	5G1.5mm²	10.1	70.8	174
86	6G1.5mm²	11.1	85.0	206
87	7G1.5mm²	11.9	99.1	247
88	8G1.5mm²	13.1	113.3	292
89	10G1.5mm²	14.3	141.6	328
90	12G1.5mm²	14.7	170.0	371
91	14G1.5mm²	15.7	198.3	429
92	15G1.5mm²	16.7	212.5	469
93	16G1.5mm²	16.7	226.6	490
94	18G1.5mm²	17.5	255.0	543
95	20G1.5mm²	18.5	283.3	617
96	22G1.5mm²	19.4	311.6	679
97	24G1.5mm²	20.9	339.9	762
98	25G1.5mm²	20.9	354.1	754
99	28G1.5mm²	21.3	396.6	820
100	30G1.5mm²	22.5	424.9	895
101	32G1.5mm²	23.3	453.3	950
102	34G1.5mm²	24.5	481.6	1031
103	36G1.5mm²	24.5	509.9	1074
104	38G1.5mm²	25.4	538.2	1142
105	40G1.5mm²	26.4	566.6	1220
106	42G1.5mm²	27.7	594.9	1300
107	2x2.5mm²	9.3	47.2	127
108	3G2.5mm²	9.8	70.7	164
109	4G2.5mm²	11.0	94.3	212
110	5G2.5mm²	12.0	117.9	256
111	6G2.5mm²	13.6	141.5	318
112	7G2.5mm²	14.7	165.1	382
113	8G2.5mm²	16.1	188.7	451
114	10G2.5mm²	17.7	235.8	515
115	12G2.5mm²	18.2	283.0	585
116	14G2.5mm²	19.4	330.1	675
117	15G2.5mm²	20.6	353.7	734
118	16G2.5mm²	20.6	377.3	769
119	18G2.5mm²	21.6	424.5	853
120	20G2.5mm²	23.1	471.6	979
121	22G2.5mm²	24.6	518.8	1104
122	24G2.5mm²	26.1	566.0	1216
123	25G2.5mm²	26.1	589.6	1205
124	28G2.5mm²	26.6	660.3	1311
125	30G2.5mm²	27.8	707.5	1409
126	32G2.5mm²	28.8	754.6	1496
127	34G2.5mm²	30.2	801.8	1616
128	36G2.5mm²	30.2	849.0	1686
129	2X4.0mm²	11.4	75.4	196
130	3G4.0mm²	12.0	113.1	253
131	4G4.0mm²	13.4	150.8	325
132	5G4.0mm²	14.8	188.5	417
133	2X6.0mm²	13.1	113.1	269
134	3G6.0mm²	13.9	169.7	350
135	4G6.0mm²	15.2	226.3	442
136	5G6.0mm²	16.8	282.8	567

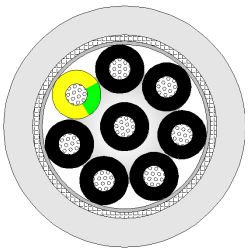
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-KCY-PVC

中速 PVC 护套柔性拖链专用屏蔽控制电缆

Medium speed PVC sheathed flexible drag chain special shielded control cable



中速柔性
拖链电缆系列
MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命。

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线，
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径，
　　移动安装：10X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chains.

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

Technical certification

CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2x0.5mm²	6.2	18.9	57
2	3G0.5mm²	6.5	24.3	67
3	4G0.5mm²	7.1	30.2	83
4	5G0.5mm²	7.7	38.9	99
5	6G0.5mm²	8.2	45.2	111
6	7G0.5mm²	8.7	51.6	126
7	8G0.5mm²	9.6	58.2	146
8	10G0.5mm²	10.2	69.5	165
9	12G0.5mm²	10.5	79.8	183
10	14G0.5mm²	11.0	90.8	204
11	15G0.5mm²	11.7	97.0	224
12	16G0.5mm²	11.7	101.8	232
13	18G0.5mm²	12.4	112.9	260
14	20G0.5mm²	13.1	124.0	291
15	22G0.5mm²	13.7	135.2	321
16	24G0.5mm²	14.4	146.7	348
17	25G0.5mm²	14.4	151.4	344
18	28G0.5mm²	14.9	166.5	377
19	30G0.5mm²	15.4	177.4	399
20	32G0.5mm²	15.9	188.4	422
21	34G0.5mm²	16.4	199.5	445
22	36G0.5mm²	16.4	209.0	461
23	38G0.5mm²	17.2	220.2	494
24	40G0.5mm²	17.7	231.2	525
25	42G0.5mm²	18.6	242.8	562
26	46G0.5mm²	18.9	262.6	584
27	50G0.5mm²	19.9	300.6	646
28	2x0.75mm²	6.8	24.5	70
29	3G0.75mm²	7.1	32.3	83
30	4G0.75mm²	7.6	43.2	102
31	5G0.75mm²	8.2	52.0	119
32	6G0.75mm²	9.0	60.8	139
33	7G0.75mm²	9.6	69.6	157
34	8G0.75mm²	10.3	78.7	185
35	10G0.75mm²	11.2	94.9	208
36	12G0.75mm²	11.5	109.9	232
37	14G0.75mm²	12.0	125.6	259
38	15G0.75mm²	12.8	134.3	283
39	16G0.75mm²	12.8	141.3	294
40	18G0.75mm²	13.4	157.2	323
41	20G0.75mm²	14.2	173.1	366
42	22G0.75mm²	14.8	189.1	400
43	24G0.75mm²	15.8	205.4	442
44	25G0.75mm²	15.8	212.5	438
45	28G0.75mm²	16.1	234.5	472
46	30G0.75mm²	16.8	250.2	509
47	32G0.75mm²	17.4	265.9	539
48	34G0.75mm²	18.2	281.8	579
49	36G0.75mm²	18.2	295.9	600
50	38G0.75mm²	18.8	311.9	637
51	40G0.75mm²	19.4	343.2	687
52	42G0.75mm²	20.6	360.5	745
53	46G0.75mm²	20.9	389.9	776
54	50G0.75mm²	22.0	422.4	837
55	2x1.0mm²	7.4	30.7	83
56	3G1.0mm²	7.7	43.6	103
57	4G1.0mm²	8.6	54.9	128
58	5G1.0mm²	9.2	66.2	150
59	6G1.0mm²	9.9	77.7	170
60	7G1.0mm²	10.8	89.2	199
61	8G1.0mm²	11.6	101.0	235
62	10G1.0mm²	12.6	122.2	264
63	12G1.0mm²	13.1	142.1	302
64	14G1.0mm²	13.8	162.7	337
65	15G1.0mm²	14.4	174.1	360
66	16G1.0mm²	14.4	183.5	375
67	18G1.0mm²	15.3	204.4	421
68	20G1.0mm²	16.0	225.3	467

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
69	22G1.0mm²	16.9	246.3	520
70	24G1.0mm²	17.8	267.7	564
71	25G1.0mm²	17.8	277.1	559
72	28G1.0mm²	18.3	306.4	614
73	30G1.0mm²	19.0	327.1	651
74	32G1.0mm²	19.6	363.6	705
75	34G1.0mm²	20.7	385.2	767
76	36G1.0mm²	20.7	404.0	796
77	38G1.0mm²	21.4	425.8	845
78	40G1.0mm²	22.1	447.2	890
79	42G1.0mm²	23.4	469.7	962
80	46G1.0mm²	23.7	508.7	1003
81	50G1.0mm²	25.4	551.4	1110
82	2x1.5mm²	8.4	45.7	110
83	3G1.5mm²	9.0	61.1	140
84	4G1.5mm²	9.8	77.4	169
85	5G1.5mm²	10.6	94.0	200
86	6G1.5mm²	11.6	110.6	235
87	7G1.5mm²	12.6	127.3	275
88	8G1.5mm²	13.8	144.4	335
89	10G1.5mm²	14.8	175.6	366
90	12G1.5mm²	15.2	205.2	411
91	14G1.5mm²	16.2	235.8	471
92	15G1.5mm²	17.2	252.2	513
93	16G1.5mm²	17.2	266.4	535
94	18G1.5mm²	18.2	297.2	600
95	20G1.5mm²	19.0	328.1	667
96	22G1.5mm²	19.9	375.2	747
97	24G1.5mm²	21.4	407.7	835
98	25G1.5mm²	21.4	421.9	827
99	28G1.5mm²	21.8	466.0	895
100	30G1.5mm²	23.0	497.3	974
101	32G1.5mm²	23.8	528.8	1031
102	34G1.5mm²	25.0	560.4	1117
103	36G1.5mm²	25.0	588.8	1160
104	38G1.5mm²	25.9	620.6	1231
105	40G1.5mm²	26.9	652.1	1312
106	42G1.5mm²	28.2	684.8	1397
107	2x2.5mm²	10.0	68.7	157
108	3G2.5mm²	10.5	93.8	196
109	4G2.5mm²	11.7	129.1	256
110	5G2.5mm²	13.1	156.6	318
111	6G2.5mm²	14.1	184.3	365
112	7G2.5mm²	15.4	212.1	425
113	8G2.5mm²	16.6	240.5	507
114	10G2.5mm²	18.2	278.1	562
115	12G2.5mm²	18.7	326.8	634
116	14G2.5mm²	19.9	392.7	742
117	15G2.5mm²	21.1	420.1	806
118	16G2.5mm²	21.1	443.7	841
119	18G2.5mm²	22.1	495.0	929
120	20G2.5mm²	23.6	546.3	1060
121	22G2.5mm²	25.1	597.9	1190
122	24G2.5mm²	26.6	650.4	1307
123	25G2.5mm²	26.6	673.9	1295
124	28G2.5mm²	27.1	746.8	1405
125	30G2.5mm²	28.3	797.7	1506
126	32G2.5mm²	29.3	848.7	1597
127	34G2.5mm²	30.7	900.0	1722
128	36G2.5mm²	30.7	947.2	1791
129	2X4.0mm²	11.9	102.8	227
130	3G4.0mm²	12.6	142.6	287
131	4G4.0mm²	13.9	198.7	393
132	5G4.0mm²	15.3	225.3	460
133	2X6.0mm²	13.6	144.7	305
134	3G6.0mm²	14.4	203.6	389
135	4G6.0mm²	15.7	264.3	486
136	5G6.0mm²	17.3	325.2	617

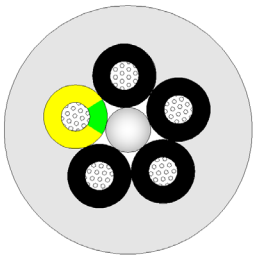
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-JY-PVC

中速 PVC 护套柔性拖链专用动力电缆

Medium speed PVC sheathed flexible drag chain special power cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment. They are used in power drag chains or mobile mechanical parts. They are more flexible and durable, suitable for use in frequently moving machinery places, and are specially designed for recycling in power drag chains.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 70℃；
移动安装：−5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+70 ℃ ;
Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
Moved installation: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.0	75.4	206
2	3G4.0mm²	12.7	113.1	267
3	4G4.0mm²	14.1	150.8	343
4	5G4.0mm²	15.6	188.5	439
5	2X6.0mm²	13.8	113.1	283
6	3G6.0mm²	14.6	169.7	369
7	4G6.0mm²	16.0	226.3	465
8	5G6.0mm²	17.6	282.8	597
9	2X10mm²	17.0	188.5	434
10	3G10mm²	18.0	282.8	574
11	4G10mm²	20.4	377.1	763
12	5G10mm²	22.7	471.4	990

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.2	302.0	641
14	3G16mm²	21.4	453.0	854
15	4G16mm²	24.0	604.0	1117
16	5G16mm²	26.6	755.0	1444
17	2X25mm²	25.0	472.2	984
18	3G25mm²	26.5	708.3	1317
19	4G25mm²	30.0	944.4	1749
20	5G25mm²	33.6	1180.5	2289
21	2X35mm²	28.0	660.7	1286
22	3G35mm²	30.1	991.1	1767
23	4G35mm²	33.9	1321.5	2334
24	5G35mm²	37.5	1651.9	2996

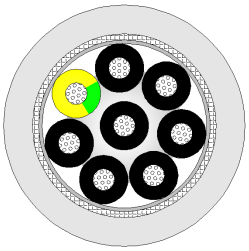
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-JCY-PVC

中速 PVC 护套柔性拖链专用屏蔽动力电缆

Medium speed PVC sheathed flexible drag chain special shielded power cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment. They are used in power drag chains or mobile mechanical parts. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chains.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线
温度范围：
固定安装：−40 至+ 70℃；
移动安装：−5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径，
移动安装：10X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+70 ℃ ;
Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
Moved installation: 10X cable diameter.

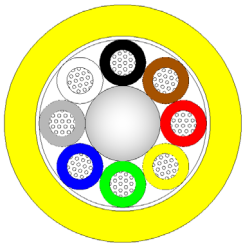
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.4	102.8	236
2	3G4.0mm²	13.1	142.6	299
3	4G4.0mm²	14.5	198.7	409
4	5G4.0mm²	16.0	225.3	480
5	2X6.0mm²	14.2	144.7	318
6	3G6.0mm²	15.0	203.6	406
7	4G6.0mm²	16.4	264.3	506
8	5G6.0mm²	18.0	325.2	643
9	2X10mm²	17.4	229.0	477
10	3G10mm²	18.4	326.3	620
11	4G10mm²	20.8	442.5	832
12	5G10mm²	23.1	544.2	1067

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.6	366.6	708
14	3G16mm²	21.8	522.4	927
15	4G16mm²	24.4	681.9	1197
16	5G16mm²	27.0	841.8	1536
17	2X25mm²	25.4	552.6	1067
18	3G25mm²	26.9	794.7	1406
19	4G25mm²	30.4	1041.5	1849
20	5G25mm²	34.0	1288.6	2404
21	2X35mm²	28.4	751.5	1378
22	3G35mm²	30.5	1088.5	1867
23	4G35mm²	34.3	1431.0	2446
24	5G35mm²	37.9	1773.9	3126

FLEX001-P-PUR

中速 PUR 护套柔性拖链专用数据电缆

Medium speed PUR sheathed flexible drag chain special data cable



中速柔性
拖链电缆系列
MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are more flexible and durable, suitable for use in frequently moving machinery places, and are specially designed for recycling in the power drag chain. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	3.9	2.7	20
2	3X0.14mm²	4.1	4.0	23
3	4X0.14mm²	4.4	5.3	27
4	5X0.14mm²	4.7	6.6	31
5	6X0.14mm²	5.0	8.0	35
6	7X0.14mm²	5.3	9.3	39
7	8X0.14mm²	5.9	10.6	47
8	10X0.14mm²	6.8	13.3	57
9	12X0.14mm²	6.7	15.9	61
10	14X0.14mm²	7.0	18.6	68
11	15X0.14mm²	7.3	19.9	72
12	16X0.14mm²	7.3	21.3	75
13	18X0.14mm²	7.6	23.9	82
14	20X0.14mm²	7.9	26.6	89
15	22X0.14mm²	8.5	29.2	101
16	24X0.14mm²	8.9	31.9	109
17	25X0.14mm²	8.9	33.2	110
18	28X0.14mm²	9.1	37.2	118
19	30X0.14mm²	9.4	39.9	125
20	32X0.14mm²	9.7	42.5	132
21	34X0.14mm²	10.0	45.2	139
22	36X0.14mm²	10.0	47.8	144
23	38X0.14mm²	10.8	50.5	162
24	40X0.14mm²	11.1	53.2	170
25	42X0.14mm²	11.5	55.8	178
26	46X0.14mm²	11.9	61.1	194
27	50X0.14mm²	12.5	66.4	208
28	2X0.25mm²	4.3	4.7	24
29	3X0.25mm²	4.5	7.1	29
30	4X0.25mm²	4.8	9.5	35
31	5X0.25mm²	5.2	11.9	40
32	6X0.25mm²	5.8	14.2	49
33	7X0.25mm²	6.2	16.6	55
34	8X0.25mm²	6.6	19.0	62
35	10X0.25mm²	7.6	23.7	76
36	12X0.25mm²	7.5	28.5	83
37	14X0.25mm²	7.8	33.2	92
38	15X0.25mm²	8.4	35.6	103
39	16X0.25mm²	8.4	38.0	107
40	18X0.25mm²	8.8	42.7	117

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
41	20X0.25mm²	9.2	47.5	128
42	22X0.25mm²	9.6	52.2	139
43	24X0.25mm²	10.1	57.0	150
44	25X0.25mm²	10.1	59.3	152
45	28X0.25mm²	10.5	66.4	170
46	30X0.25mm²	10.8	71.2	180
47	32X0.25mm²	11.4	75.9	196
48	34X0.25mm²	11.8	80.7	207
49	36X0.25mm²	11.8	85.4	215
50	38X0.25mm²	12.4	90.2	232
51	40X0.25mm²	12.8	94.9	244
52	42X0.25mm²	13.3	99.7	256
53	46X0.25mm²	13.5	109.2	270
54	50X0.25mm²	14.4	118.7	299
55	2X0.34mm²	4.5	6.5	27
56	3X0.34mm²	4.7	9.7	33
57	4X0.34mm²	5.1	12.9	40
58	5X0.34mm²	5.7	16.1	50
59	6X0.34mm²	6.1	19.4	56
60	7X0.34mm²	6.5	22.6	64
61	8X0.34mm²	7.0	25.8	72
62	10X0.34mm²	8.1	32.3	89
63	12X0.34mm²	7.9	38.7	97
64	14X0.34mm²	8.5	45.2	113
65	15X0.34mm²	8.9	48.4	121
66	16X0.34mm²	8.9	51.6	126
67	18X0.34mm²	9.3	58.1	138
68	20X0.34mm²	9.7	64.5	151
69	22X0.34mm²	10.4	71.0	170
70	24X0.34mm²	10.9	77.5	184
71	25X0.34mm²	10.9	80.7	186
72	28X0.34mm²	11.3	90.4	207
73	30X0.34mm²	11.7	96.8	220
74	32X0.34mm²	12.1	103.3	233
75	34X0.34mm²	12.7	109.7	252
76	36X0.34mm²	12.7	116.2	262
77	38X0.34mm²	13.1	122.6	276
78	40X0.34mm²	13.5	129.1	289
79	42X0.34mm²	14.3	135.5	311
80	46X0.34mm²	14.5	148.5	329
81	50X0.34mm²	15.5	161.4	364

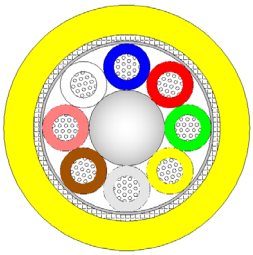
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-CP-PUR

中速 PUR 护套柔性拖链专用屏蔽数据电缆

Medium speed PUR sheathed flexible drag chain special shielded data cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km。
电感：约 0.65mH/km；
温度范围：
　固定安装：-40 至+ 80℃；
　移动安装：-5 至+ 80℃。
最小弯曲半径：
　固定安装：4X 电缆直径；
　移动安装：10X 电缆直径。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving machinery places. It is specially designed for recycling in the power drag chain. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 1500V;
Capacitance: core/core is about 120nF/km;
　　core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　fixed installation: - 40 to+80 ℃ ;
　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　fixed installation: 4X cable diameter;
　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.6	8.6	30
2	3X0.14mm²	4.8	10.3	33
3	4X0.14mm²	5.1	12.4	38
4	5X0.14mm²	5.4	14.5	43
5	6X0.14mm²	5.9	16.6	51
6	7X0.14mm²	6.2	18.8	56
7	8X0.14mm²	6.6	21.1	62
8	10X0.14mm²	7.2	24.7	73
9	12X0.14mm²	7.4	27.7	79
10	14X0.14mm²	7.7	33.8	89
11	15X0.14mm²	8.0	36.0	94
12	16X0.14mm²	8.0	37.3	97
13	18X0.14mm²	8.3	41.0	105
14	20X0.14mm²	8.6	44.6	113
15	22X0.14mm²	9.2	48.3	127
16	24X0.14mm²	9.6	52.2	136
17	25X0.14mm²	9.6	53.5	137
18	28X0.14mm²	9.8	58.0	146
19	30X0.14mm²	10.1	61.5	153
20	32X0.14mm²	10.4	65.1	161
21	34X0.14mm²	10.7	68.8	170
22	36X0.14mm²	10.7	71.4	175
23	38X0.14mm²	11.5	75.1	195
24	40X0.14mm²	11.8	78.7	204
25	42X0.14mm²	12.2	82.7	214
26	46X0.14mm²	12.6	88.5	230
27	50X0.14mm²	13.2	95.6	247
28	2X0.25mm²	5.0	11.7	36
29	3X0.25mm²	5.2	14.5	41
30	4X0.25mm²	5.7	17.8	50
31	5X0.25mm²	6.1	21.0	57
32	6X0.25mm²	6.5	24.4	64
33	7X0.25mm²	6.9	27.7	72
34	8X0.25mm²	7.5	31.2	84
35	10X0.25mm²	8.0	39.9	97
36	12X0.25mm²	8.2	45.2	105
37	14X0.25mm²	8.5	51.0	116
38	15X0.25mm²	9.1	54.4	128
39	16X0.25mm²	9.1	56.8	132
40	18X0.25mm²	9.5	62.7	144

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
41	20X0.25mm²	9.9	68.6	156
42	22X0.25mm²	10.3	74.6	168
43	24X0.25mm²	10.8	80.8	181
44	25X0.25mm²	10.8	83.2	183
45	28X0.25mm²	11.2	90.9	202
46	30X0.25mm²	11.5	96.7	213
47	32X0.25mm²	12.1	102.5	231
48	34X0.25mm²	12.5	108.4	243
49	36X0.25mm²	12.5	113.2	251
50	38X0.25mm²	13.1	119.1	270
51	40X0.25mm²	13.5	125.0	283
52	42X0.25mm²	14.0	131.3	297
53	46X0.25mm²	14.2	141.3	312
54	50X0.25mm²	15.1	152.9	343
55	2X0.34mm²	5.2	13.9	39
56	3X0.34mm²	5.4	17.6	46
57	4X0.34mm²	6.0	21.8	56
58	5X0.34mm²	6.4	26.0	65
59	6X0.34mm²	6.8	30.2	73
60	7X0.34mm²	7.4	34.5	85
61	8X0.34mm²	7.9	41.7	98
62	10X0.34mm²	8.4	49.6	110
63	12X0.34mm²	8.6	56.7	121
64	14X0.34mm²	9.2	64.3	139
65	15X0.34mm²	9.6	68.7	148
66	16X0.34mm²	9.6	71.9	153
67	18X0.34mm²	10.0	79.6	167
68	20X0.34mm²	10.4	87.3	181
69	22X0.34mm²	11.1	95.1	202
70	24X0.34mm²	11.6	103.1	217
71	25X0.34mm²	11.6	106.3	220
72	28X0.34mm²	12.0	116.6	242
73	30X0.34mm²	12.4	124.2	256
74	32X0.34mm²	12.8	131.8	270
75	34X0.34mm²	13.4	139.5	291
76	36X0.34mm²	13.4	146.0	301
77	38X0.34mm²	13.8	153.8	316
78	40X0.34mm²	14.2	161.4	331
79	42X0.34mm²	15.0	169.5	355
80	46X0.34mm²	15.2	183.0	374
81	50X0.34mm²	16.2	198.2	411

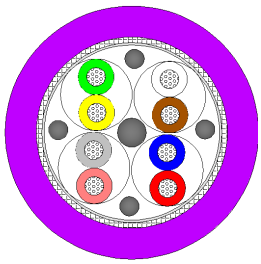
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-CP-TP-PUR

中速 PUR 护套柔性拖链专用对绞屏蔽数据电缆

Medium speed PUR sheathed flexible drag chain special twisted pair shielded data cable



中速柔性
拖链电缆系列
MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving machinery places. It is specially designed for recycling in the power drag chain. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
电磁兼容 EMC 场合；
对绞结构可使电路去耦（串音效果）；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
EMC occasions;
The twisted pair structure can decouple the circuit (crosstalk effect);
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

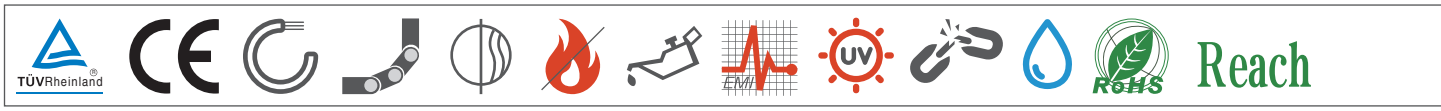
CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
芯线绞合成对；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Core twisted pair;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20M Ω x km；
测试电压：1500V；
电容：线芯 / 线芯 约 120nF/km；
　　线芯 / 屏蔽 约 160nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: core/core is about 120nF/km;
　　core/shield: about 160nF/km.
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2PX0.14mm²	6.1	14.7	48
2	3PX0.14mm²	6.5	18.4	56
3	4PX0.14mm²	7.2	22.3	70
4	5PX0.14mm²	7.7	28.9	81
5	6PX0.14mm²	8.2	33.3	90
6	7PX0.14mm²	8.8	37.6	100
7	8PX0.14mm²	9.6	42.3	116
8	10PX0.14mm²	10.3	49.6	133
9	12PX0.14mm²	10.7	55.9	152
10	14PX0.14mm²	11.2	62.8	165
11	15PX0.14mm²	11.9	67.1	181
12	16PX0.14mm²	11.9	69.8	187
13	18PX0.14mm²	12.5	76.9	203
14	20PX0.14mm²	13.2	84.0	227
15	25PX0.14mm²	14.5	101.5	265
16	2PX0.25mm²	6.8	20.6	59
17	3PX0.25mm²	7.4	26.6	74
18	4PX0.25mm²	8.0	35.6	91
19	5PX0.25mm²	8.6	42.3	103
20	6PX0.25mm²	9.2	49.1	116
21	7PX0.25mm²	10.1	55.9	135
22	8PX0.25mm²	11.0	63.1	156
23	10PX0.25mm²	12.0	75.1	187
24	12PX0.25mm²	12.3	85.8	207
25	14PX0.25mm²	13.1	97.3	233
26	15PX0.25mm²	13.7	103.9	248
27	16PX0.25mm²	13.7	108.8	256
28	18PX0.25mm²	14.3	120.5	279
29	20PX0.25mm²	15.0	132.3	304
30	25PX0.25mm²	16.7	161.1	367

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
31	2PX0.34mm²	7.1	24.9	66
32	3PX0.34mm²	7.8	35.4	86
33	4PX0.34mm²	8.4	43.8	103
34	5PX0.34mm²	9.0	52.4	117
35	6PX0.34mm²	9.9	61.2	138
36	7PX0.34mm²	10.8	69.9	160
37	8PX0.34mm²	11.6	78.9	178
38	10PX0.34mm²	12.6	94.6	214
39	12PX0.34mm²	13.0	109.0	239
40	14PX0.34mm²	13.6	124.1	263
41	15PX0.34mm²	14.5	132.6	287
42	16PX0.34mm²	14.5	139.3	297
43	18PX0.34mm²	15.4	154.7	333
44	20PX0.34mm²	16.1	170.0	363
45	25PX0.34mm²	18.1	208.1	448
46	2PX0.5mm²	8.1	37.4	92
47	3PX0.5mm²	8.7	49.0	113
48	4PX0.5mm²	9.7	61.1	143
49	5PX0.5mm²	10.7	73.4	169
50	6PX0.5mm²	11.6	85.8	193
51	7PX0.5mm²	12.7	98.2	224
52	8PX0.5mm²	13.7	111.1	251
53	10PX0.5mm²	15.0	133.8	302
54	12PX0.5mm²	15.6	154.6	349
55	14PX0.5mm²	16.4	176.5	384
56	15PX0.5mm²	17.5	188.8	418
57	16PX0.5mm²	17.5	198.6	435
58	18PX0.5mm²	18.6	220.8	487
59	20PX0.5mm²	19.5	259.1	547
60	25PX0.5mm²	21.9	316.2	672

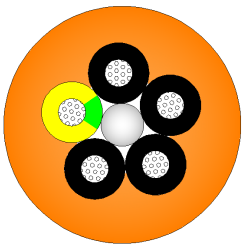
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-KP-PUR

中速 PUR 护套柔性拖链专用控制电缆

Medium speed PUR sheathed flexible drag chain special control cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：7.5X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment. They are more flexible and durable, suitable for use in frequently moving machinery places, and designed for recycling in power drag chains. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire,
　　X=excluding yellow green grounding protection core wire;
Temperature range:
　　fixed installation: – 40 to+80 ℃ ;
　　Moved installation: – 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter,
　　Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2x0.5mm²	5.7	9.5	43
2	3G0.5mm²	6.0	14.2	52
3	4G0.5mm²	6.4	19.0	62
4	5G0.5mm²	7.0	23.7	73
5	6G0.5mm²	7.7	28.5	87
6	7G0.5mm²	8.2	33.2	99
7	8G0.5mm²	8.9	38.0	118
8	10G0.5mm²	9.5	47.5	128
9	12G0.5mm²	9.8	57.0	144
10	14G0.5mm²	10.3	66.4	162
11	15G0.5mm²	11.0	71.2	179
12	16G0.5mm²	11.0	75.9	186
13	18G0.5mm²	11.7	85.4	212
14	20G0.5mm²	12.4	94.9	238
15	22G0.5mm²	13.0	104.4	265
16	24G0.5mm²	13.7	113.9	288
17	25G0.5mm²	13.7	118.7	284
18	28G0.5mm²	14.2	132.9	315
19	30G0.5mm²	14.7	142.4	334
20	32G0.5mm²	15.4	151.9	362
21	34G0.5mm²	15.9	161.4	382
22	36G0.5mm²	15.9	170.9	397
23	38G0.5mm²	16.7	180.4	427
24	40G0.5mm²	17.2	189.8	455
25	42G0.5mm²	18.1	199.3	488
26	46G0.5mm²	18.4	218.3	508
27	50G0.5mm²	19.4	237.3	549
28	2x0.75mm²	6.1	14.1	51
29	3G0.75mm²	6.4	21.1	62
30	4G0.75mm²	6.9	28.2	76
31	5G0.75mm²	7.7	35.2	94
32	6G0.75mm²	8.3	42.3	107
33	7G0.75mm²	8.9	49.3	127
34	8G0.75mm²	9.6	56.4	147
35	10G0.75mm²	10.5	70.4	166
36	12G0.75mm²	10.8	84.5	187
37	14G0.75mm²	11.3	98.6	211
38	15G0.75mm²	12.1	105.7	232
39	16G0.75mm²	12.1	112.7	242
40	18G0.75mm²	12.9	126.8	275
41	20G0.75mm²	13.5	140.9	306
42	22G0.75mm²	14.3	155.0	343
43	24G0.75mm²	15.3	169.1	381
44	25G0.75mm²	15.3	176.1	377
45	28G0.75mm²	15.6	197.3	409
46	30G0.75mm²	16.1	211.3	434
47	32G0.75mm²	16.9	225.4	469
48	34G0.75mm²	17.7	239.5	505
49	36G0.75mm²	17.7	253.6	526
50	38G0.75mm²	18.3	267.7	559
51	40G0.75mm²	18.9	281.8	589
52	42G0.75mm²	20.1	295.9	641
53	46G0.75mm²	20.4	324.1	670
54	50G0.75mm²	21.5	352.2	723
55	2x1.0mm²	6.7	18.8	61
56	3G1.0mm²	7.2	28.3	80
57	4G1.0mm²	7.9	37.7	98
58	5G1.0mm²	8.5	47.1	117
59	6G1.0mm²	9.2	56.5	134
60	7G1.0mm²	10.1	65.9	165
61	8G1.0mm²	10.9	75.3	190
62	10G1.0mm²	11.9	94.2	214
63	12G1.0mm²	12.4	113.0	248
64	14G1.0mm²	13.1	131.9	280
65	15G1.0mm²	13.7	141.3	300
66	16G1.0mm²	13.7	150.7	314
67	18G1.0mm²	14.6	169.5	355
68	20G1.0mm²	15.5	188.4	404

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
69	22G1.0mm²	16.2	207.2	444
70	24G1.0mm²	17.3	226.0	492
71	25G1.0mm²	17.3	235.5	487
72	28G1.0mm²	17.8	263.7	538
73	30G1.0mm²	18.5	282.5	571
74	32G1.0mm²	19.1	301.4	606
75	34G1.0mm²	20.2	320.2	662
76	36G1.0mm²	20.2	339.0	689
77	38G1.0mm²	20.9	357.9	733
78	40G1.0mm²	21.6	376.7	773
79	42G1.0mm²	22.9	395.6	838
80	46G1.0mm²	23.2	433.2	876
81	50G1.0mm²	24.9	470.9	972
82	2x1.5mm²	7.9	28.3	85
83	3G1.5mm²	8.3	42.5	108
84	4G1.5mm²	9.1	56.7	133
85	5G1.5mm²	10.1	70.8	165
86	6G1.5mm²	11.1	85.0	196
87	7G1.5mm²	11.9	99.1	234
88	8G1.5mm²	13.1	113.3	278
89	10G1.5mm²	14.3	141.6	311
90	12G1.5mm²	14.7	170.0	353
91	14G1.5mm²	15.7	198.3	408
92	15G1.5mm²	16.7	212.5	445
93	16G1.5mm²	16.7	226.6	466
94	18G1.5mm²	17.5	255.0	516
95	20G1.5mm²	18.5	283.3	586
96	22G1.5mm²	19.4	311.6	645
97	24G1.5mm²	20.9	339.9	724
98	25G1.5mm²	20.9	354.1	716
99	28G1.5mm²	21.3	396.6	779
100	30G1.5mm²	22.5	424.9	851
101	32G1.5mm²	23.3	453.3	902
102	34G1.5mm²	24.5	481.6	980
103	36G1.5mm²	24.5	509.9	1021
104	38G1.5mm²	25.4	538.2	1085
105	40G1.5mm²	26.4	566.6	1159
106	42G1.5mm²	27.7	594.9	1235
107	2x2.5mm²	9.3	47.2	121
108	3G2.5mm²	9.8	70.7	156
109	4G2.5mm²	11.0	94.3	202
110	5G2.5mm²	12.0	117.9	243
111	6G2.5mm²	13.6	141.5	302
112	7G2.5mm²	14.7	165.1	363
113	8G2.5mm²	16.1	188.7	429
114	10G2.5mm²	17.7	235.8	489
115	12G2.5mm²	18.2	283.0	556
116	14G2.5mm²	19.4	330.1	641
117	15G2.5mm²	20.6	353.7	697
118	16G2.5mm²	20.6	377.3	730
119	18G2.5mm²	21.6	424.5	810
120	20G2.5mm²	23.1	471.6	930
121	22G2.5mm²	24.6	518.8	1049
122	24G2.5mm²	26.1	566.0	1155
123	25G2.5mm²	26.1	589.6	1144
124	28G2.5mm²	26.6	660.3	1246
125	30G2.5mm²	27.8	707.5	1339
126	32G2.5mm²	28.8	754.6	1421
127	34G2.5mm²	30.2	801.8	1535
128	36G2.5mm²	30.2	849.0	1601
129	2X4.0mm²	11.4	75.4	186
130	3G4.0mm²	12.0	113.1	241
131	4G4.0mm²	13.4	150.8	309
132	5G4.0mm²	14.8	188.5	396
133	2X6.0mm²	13.1	113.1	256
134	3G6.0mm²	13.9	169.7	333
135	4G6.0mm²	15.2	226.3	420
136	5G6.0mm²	16.8	282.8	538

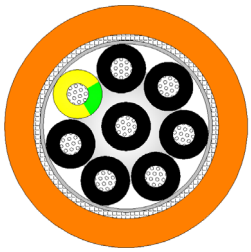
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-KCP-PUR

中速 PUR 护套柔性拖链专用屏蔽控制电缆

Medium speed PUR sheathed flexible drag chain special shielded control cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：10X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chains. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

Technical certification

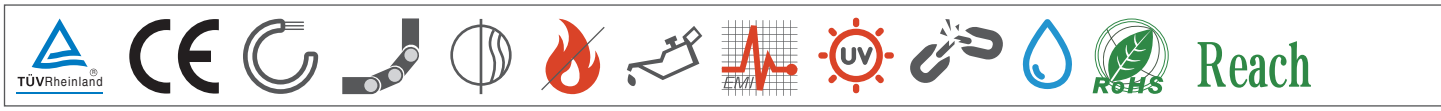
CE certification;
Conform to EN50525-2-21;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
　　G=including yellow green grounding protection core wire,
　　X=excluding yellow green grounding protection core wire;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter,
　　Moved installation: 10X cable diameter.



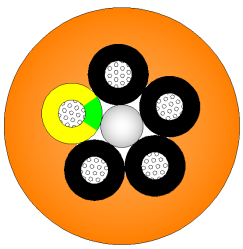
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2x0.5mm²	6.2	18.9	54
2	3G0.5mm²	6.5	24.3	64
3	4G0.5mm²	7.1	30.2	79
4	5G0.5mm²	7.7	38.9	94
5	6G0.5mm²	8.2	45.2	106
6	7G0.5mm²	8.7	51.6	119
7	8G0.5mm²	9.6	58.2	139
8	10G0.5mm²	10.2	69.5	157
9	12G0.5mm²	10.5	79.8	174
10	14G0.5mm²	11.0	90.8	193
11	15G0.5mm²	11.7	97.0	212
12	16G0.5mm²	11.7	101.8	220
13	18G0.5mm²	12.4	112.9	247
14	20G0.5mm²	13.1	124.0	276
15	22G0.5mm²	13.7	135.2	305
16	24G0.5mm²	14.4	146.7	330
17	25G0.5mm²	14.4	151.4	326
18	28G0.5mm²	14.9	166.5	358
19	30G0.5mm²	15.4	177.4	379
20	32G0.5mm²	15.9	188.4	401
21	34G0.5mm²	16.4	199.5	423
22	36G0.5mm²	16.4	209.0	438
23	38G0.5mm²	17.2	220.2	469
24	40G0.5mm²	17.7	231.2	498
25	42G0.5mm²	18.6	242.8	534
26	46G0.5mm²	18.9	262.6	555
27	50G0.5mm²	19.9	300.6	614
28	2x0.75mm²	6.8	24.5	67
29	3G0.75mm²	7.1	32.3	79
30	4G0.75mm²	7.6	43.2	97
31	5G0.75mm²	8.2	52.0	113
32	6G0.75mm²	9.0	60.8	132
33	7G0.75mm²	9.6	69.6	150
34	8G0.75mm²	10.3	78.7	176
35	10G0.75mm²	11.2	94.9	198
36	12G0.75mm²	11.5	109.9	220
37	14G0.75mm²	12.0	125.6	246
38	15G0.75mm²	12.8	134.3	269
39	16G0.75mm²	12.8	141.3	279
40	18G0.75mm²	13.4	157.2	307
41	20G0.75mm²	14.2	173.1	347
42	22G0.75mm²	14.8	189.1	380
43	24G0.75mm²	15.8	205.4	420
44	25G0.75mm²	15.8	212.5	416
45	28G0.75mm²	16.1	234.5	449
46	30G0.75mm²	16.8	250.2	484
47	32G0.75mm²	17.4	265.9	512
48	34G0.75mm²	18.2	281.8	550
49	36G0.75mm²	18.2	295.9	570
50	38G0.75mm²	18.8	311.9	605
51	40G0.75mm²	19.4	343.2	652
52	42G0.75mm²	20.6	360.5	708
53	46G0.75mm²	20.9	389.9	737
54	50G0.75mm²	22.0	422.4	795
55	2x1.0mm²	7.4	30.7	79
56	3G1.0mm²	7.7	43.6	98
57	4G1.0mm²	8.6	54.9	122
58	5G1.0mm²	9.2	66.2	142
59	6G1.0mm²	9.9	77.7	162
60	7G1.0mm²	10.8	89.2	189
61	8G1.0mm²	11.6	101.0	224
62	10G1.0mm²	12.6	122.2	251
63	12G1.0mm²	13.1	142.1	286
64	14G1.0mm²	13.8	162.7	321
65	15G1.0mm²	14.4	174.1	342
66	16G1.0mm²	14.4	183.5	356
67	18G1.0mm²	15.3	204.4	400
68	20G1.0mm²	16.0	225.3	443

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
69	22G1.0mm²	16.9	246.3	494
70	24G1.0mm²	17.8	267.7	536
71	25G1.0mm²	17.8	277.1	531
72	28G1.0mm²	18.3	306.4	583
73	30G1.0mm²	19.0	327.1	619
74	32G1.0mm²	19.6	363.6	670
75	34G1.0mm²	20.7	385.2	729
76	36G1.0mm²	20.7	404.0	756
77	38G1.0mm²	21.4	425.8	802
78	40G1.0mm²	22.1	447.2	845
79	42G1.0mm²	23.4	469.7	914
80	46G1.0mm²	23.7	508.7	953
81	50G1.0mm²	25.4	551.4	1055
82	2x1.5mm²	8.4	45.7	105
83	3G1.5mm²	9.0	61.1	133
84	4G1.5mm²	9.8	77.4	161
85	5G1.5mm²	10.6	94.0	190
86	6G1.5mm²	11.6	110.6	223
87	7G1.5mm²	12.6	127.3	261
88	8G1.5mm²	13.8	144.4	318
89	10G1.5mm²	14.8	175.6	347
90	12G1.5mm²	15.2	205.2	390
91	14G1.5mm²	16.2	235.8	448
92	15G1.5mm²	17.2	252.2	488
93	16G1.5mm²	17.2	266.4	508
94	18G1.5mm²	18.2	297.2	570
95	20G1.5mm²	19.0	328.1	633
96	22G1.5mm²	19.9	375.2	710
97	24G1.5mm²	21.4	407.7	793
98	25G1.5mm²	21.4	421.9	785
99	28G1.5mm²	21.8	466.0	850
100	30G1.5mm²	23.0	497.3	925
101	32G1.5mm²	23.8	528.8	980
102	34G1.5mm²	25.0	560.4	1061
103	36G1.5mm²	25.0	588.8	1102
104	38G1.5mm²	25.9	620.6	1170
105	40G1.5mm²	26.9	652.1	1246
106	42G1.5mm²	28.2	684.8	1327
107	2x2.5mm²	10.0	68.7	149
108	3G2.5mm²	10.5	93.8	186
109	4G2.5mm²	11.7	129.1	244
110	5G2.5mm²	13.1	156.6	302
111	6G2.5mm²	14.1	184.3	347
112	7G2.5mm²	15.4	212.1	404
113	8G2.5mm²	16.6	240.5	482
114	10G2.5mm²	18.2	278.1	534
115	12G2.5mm²	18.7	326.8	602
116	14G2.5mm²	19.9	392.7	705
117	15G2.5mm²	21.1	420.1	765
118	16G2.5mm²	21.1	443.7	798
119	18G2.5mm²	22.1	495.0	882
120	20G2.5mm²	23.6	546.3	1007
121	22G2.5mm²	25.1	597.9	1130
122	24G2.5mm²	26.6	650.4	1242
123	25G2.5mm²	26.6	673.9	1231
124	28G2.5mm²	27.1	746.8	1334
125	30G2.5mm²	28.3	797.7	1431
126	32G2.5mm²	29.3	848.7	1517
127	34G2.5mm²	30.7	900.0	1635
128	36G2.5mm²	30.7	947.2	1701
129	2X4.0mm²	11.9	102.8	215
130	3G4.0mm²	12.6	142.6	272
131	4G4.0mm²	13.9	198.7	373
132	5G4.0mm²	15.3	225.3	437
133	2X6.0mm²	13.6	144.7	290
134	3G6.0mm²	14.4	203.6	370
135	4G6.0mm²	15.7	264.3	461
136	5G6.0mm²	17.3	325.2	586

FLEX001-JP-PUR

中速 PUR 护套柔性拖链专用动力电缆

Medium speed PUR sheathed flexible drag chain special power cable



中速柔性
拖链电缆系列
MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment. They are used in power drag chains or mobile mechanical parts. They are more flexible and durable, suitable for use in frequently moving machinery places, and are specially designed for recycling in power drag chains. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20M Ω x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−5 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径，
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
Moved installation: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.0	75.4	196
2	3G4.0mm²	12.7	113.1	253
3	4G4.0mm²	14.1	150.8	325
4	5G4.0mm²	15.6	188.5	417
5	2X6.0mm²	13.8	113.1	269
6	3G6.0mm²	14.6	169.7	350
7	4G6.0mm²	16.0	226.3	442
8	5G6.0mm²	17.6	282.8	567
9	2X10mm²	17.0	188.5	412
10	3G10mm²	18.0	282.8	545
11	4G10mm²	20.4	377.1	725
12	5G10mm²	22.7	471.4	940

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.2	302.0	609
14	3G16mm²	21.4	453.0	812
15	4G16mm²	24.0	604.0	1061
16	5G16mm²	26.6	755.0	1372
17	2X25mm²	25.0	472.2	935
18	3G25mm²	26.5	708.3	1252
19	4G25mm²	30.0	944.4	1662
20	5G25mm²	33.6	1180.5	2175
21	2X35mm²	28.0	660.7	1222
22	3G35mm²	30.1	991.1	1679
23	4G35mm²	33.9	1321.5	2218
24	5G35mm²	37.5	1651.9	2847

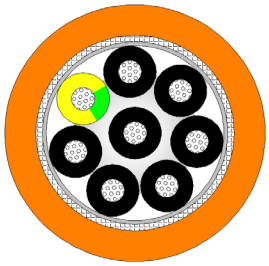
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX001-JCP-PUR

中速 PUR 护套柔性拖链专用屏蔽动力电缆

Medium speed PUR sheathed flexible drag chain special shielded power cable



中速柔性
拖链电缆系列

MEDIUM SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

FLEX001-Y-PVC
FLEX001-CY-PVC
FLEX001-CY-TP-PVC
FLEX001-KY-PVC
FLEX001-KCY-PVC
FLEX001-JY-PVC
FLEX001-JCY-PVC
FLEX001-P-PUR
FLEX001-CP-PUR
FLEX001-CP-TP-PUR
FLEX001-KP-PUR
FLEX001-KCP-PUR
FLEX001-JP-PUR
FLEX001-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，更具柔性和耐用性，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment. They are used in power drag chains or mobile mechanical parts. They are more flexible and durable. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chains. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
500 万 -1000 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
5 million to 10 million cycles of towline service life.

技术认证

CE 认证；
符合 EN50525-2-21；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50,525-2-21;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−5 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径，
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire,
X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
Moved installation: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.4	102.8	224
2	3G4.0mm²	13.1	142.6	284
3	4G4.0mm²	14.5	198.7	389
4	5G4.0mm²	16.0	225.3	456
5	2X6.0mm²	14.2	144.7	302
6	3G6.0mm²	15.0	203.6	385
7	4G6.0mm²	16.4	264.3	481
8	5G6.0mm²	18.0	325.2	611
9	2X10mm²	17.4	229.0	453
10	3G10mm²	18.4	326.3	589
11	4G10mm²	20.8	442.5	790
12	5G10mm²	23.1	544.2	1014

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.6	366.6	672
14	3G16mm²	21.8	522.4	880
15	4G16mm²	24.4	681.9	1137
16	5G16mm²	27.0	841.8	1459
17	2X25mm²	25.4	552.6	1014
18	3G25mm²	26.9	794.7	1336
19	4G25mm²	30.4	1041.5	1756
20	5G25mm²	34.0	1288.6	2284
21	2X35mm²	28.4	751.5	1310
22	3G35mm²	30.5	1088.5	1774
23	4G35mm²	34.3	1431.0	2324
24	5G35mm²	37.9	1773.9	2970

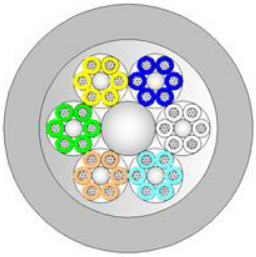
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-Y-PVC

高速 PVC 护套柔性拖链专用数据电缆

High speed PVC sheathed flexible drag chain special data cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

- FLEX101-Y-PVC
- FLEX101-CY-PVC
- FLEX101-KY-PVC
- FLEX101-KCY-PVC
- FLEX101-JY-PVC
- FLEX101-JCY-PVC
- FLEX101-KP-PUR
- FLEX101-KCP-PUR
- FLEX101-JP-PUR
- FLEX101-JCP-PUR

应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are suitable for use in mechanical places with high intensity sports. They are specially designed for recycling use in more than 10 million power drag chains.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
1000 万 -1500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
10 million to 15 million cycles of towline.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
小于 8 芯：成束绞合；
大于 8 芯：围绕中心点成束绞合；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

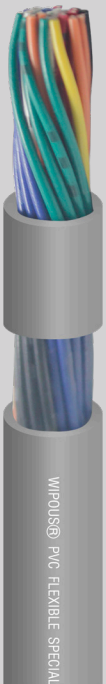
Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Less than 8 cores: stranded in bundles;
More than 8 cores: stranded in bundles around the center;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

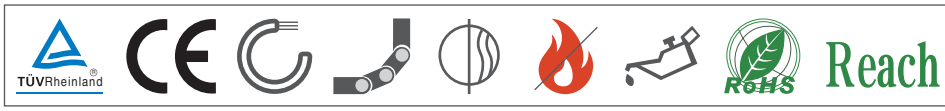
技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 7.5X cable diameter.





物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.5	2.7	27
2	3X0.14mm²	4.7	4.0	29
3	4X0.14mm²	5.0	5.3	33
4	5X0.14mm²	5.3	6.6	38
5	6X0.14mm²	5.6	8.0	43
6	7X0.14mm²	5.9	9.3	48
7	8X0.14mm²	6.3	10.6	54
8	10X0.14mm²	7.0	13.3	64
9	12X0.14mm²	8.4	15.9	78
10	14X0.14mm²	8.7	18.6	85
11	15X0.14mm²	9.0	19.9	90
12	16X0.14mm²	9.0	21.3	92
13	18X0.14mm²	9.6	23.9	102
14	20X0.14mm²	9.7	26.6	107
15	24X0.14mm²	10.5	31.9	124
16	25X0.14mm²	10.6	33.2	126
17	30X0.14mm²	11.6	39.9	151
18	36X0.14mm²	13.0	47.8	182
19	2X0.25mm²	4.9	4.7	33
20	3X0.25mm²	5.1	7.1	37
21	4X0.25mm²	5.4	9.5	43
22	5X0.25mm²	5.8	11.9	49
23	6X0.25mm²	6.2	14.2	56
24	7X0.25mm²	6.6	16.6	63
25	8X0.25mm²	7.0	19.0	71
26	10X0.25mm²	8.2	23.7	93
27	12X0.25mm²	9.5	28.5	102

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
28	14X0.25mm²	9.8	33.2	112
29	15X0.25mm²	10.2	35.6	119
30	16X0.25mm²	10.2	38.0	122
31	18X0.25mm²	11.1	42.7	143
32	20X0.25mm²	11.2	47.5	151
33	24X0.25mm²	12.3	57.0	181
34	25X0.25mm²	12.5	59.3	184
35	30X0.25mm²	13.4	71.2	213
36	36X0.25mm²	14.8	85.4	248
37	2X0.34mm²	5.1	6.5	37
38	3X0.34mm²	5.3	9.7	42
39	4X0.34mm²	5.7	12.9	49
40	5X0.34mm²	6.1	16.1	56
41	6X0.34mm²	6.5	19.4	65
42	7X0.34mm²	6.9	22.6	73
43	8X0.34mm²	7.8	25.8	90
44	10X0.34mm²	8.7	32.3	108
45	12X0.34mm²	10.0	38.7	118
46	14X0.34mm²	10.3	45.2	130
47	15X0.34mm²	11.0	48.4	144
48	16X0.34mm²	11.0	51.6	148
49	18X0.34mm²	11.9	58.1	172
50	20X0.34mm²	12.1	64.5	182
51	24X0.34mm²	13.0	77.5	212
52	25X0.34mm²	13.2	80.7	215
53	30X0.34mm²	14.4	96.8	257
54	36X0.34mm²	15.9	116.2	301

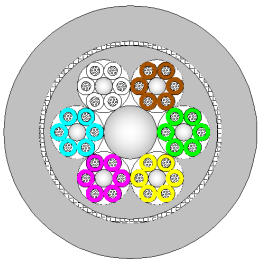
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-CY-PVC

高速 PVC 护套柔性拖链专用屏蔽数据电缆

High speed PVC sheathed flexible drag chain special shielded data cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

- FLEX101-Y-PVC
- FLEX101-CY-PVC ▶
- FLEX101-KY-PVC
- FLEX101-KCY-PVC
- FLEX101-JY-PVC
- FLEX101-JCY-PVC
- FLEX101-KP-PUR
- FLEX101-KCP-PUR
- FLEX101-JP-PUR
- FLEX101-JCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
1000 万 -1500 万次拖链循环使用寿命。

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
小于 8 芯：成束绞合；
大于 8 芯：围绕中心点成束绞合；
PVC 内护套；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：10X 电缆直径。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in mechanical places with high intensity movement. It is specially designed for recycling in more than 10 million power drag chains.

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
10 million to 15 million cycles of towline

Technical certification

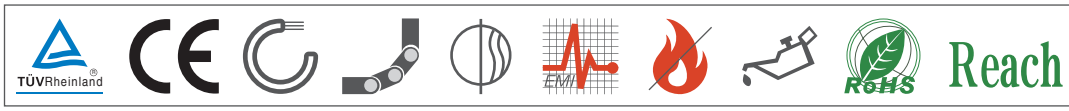
CE certification;
conform to VDE0812;
RoHS，REACH

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Less than 8 cores: stranded in bundles;
More than 8 cores: stranded in bundles around the center;
PVC inner sheath;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001)

Technical parameters

Core wire identification: conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20MΩ x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter,
　　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	5.0	10.1	36
2	3X0.14mm²	5.2	11.8	40
3	4X0.14mm²	5.5	13.9	45
4	5X0.14mm²	5.8	16.0	51
5	6X0.14mm²	6.1	18.1	56
6	7X0.14mm²	6.4	20.3	62
7	8X0.14mm²	7.0	22.5	72
8	10X0.14mm²	8.0	29.9	94
9	12X0.14mm²	9.1	36.0	108
10	14X0.14mm²	9.4	39.5	116
11	15X0.14mm²	9.7	41.8	122
12	16X0.14mm²	9.7	43.1	124
13	18X0.14mm²	10.3	47.5	137
14	20X0.14mm²	10.4	50.6	143
15	24X0.14mm²	11.4	58.2	168
16	25X0.14mm²	11.5	59.8	171
17	30X0.14mm²	12.7	69.3	208
18	36X0.14mm²	14.1	80.9	245
19	2X0.25mm²	5.4	13.2	44
20	3X0.25mm²	5.6	16.0	49
21	4X0.25mm²	5.9	19.2	56
22	5X0.25mm²	6.3	22.5	63
23	6X0.25mm²	6.9	25.9	75
24	7X0.25mm²	7.3	31.8	86
25	8X0.25mm²	7.7	35.5	95
26	10X0.25mm²	8.8	42.8	120
27	12X0.25mm²	10.2	51.6	136

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
28	14X0.25mm²	10.5	57.3	148
29	15X0.25mm²	10.9	60.9	156
30	16X0.25mm²	10.9	63.2	160
31	18X0.25mm²	12.0	70.6	190
32	20X0.25mm²	12.1	75.8	199
33	24X0.25mm²	13.2	88.0	234
34	25X0.25mm²	13.4	90.8	238
35	30X0.25mm²	14.3	105.4	272
36	36X0.25mm²	16.1	123.8	330
37	2X0.34mm²	5.6	17.3	50
38	3X0.34mm²	5.8	21.1	56
39	4X0.34mm²	6.2	25.4	64
40	5X0.34mm²	6.8	29.9	77
41	6X0.34mm²	7.2	34.3	87
42	7X0.34mm²	7.6	38.8	97
43	8X0.34mm²	8.3	44.0	112
44	10X0.34mm²	9.2	52.6	136
45	12X0.34mm²	10.7	63.4	154
46	14X0.34mm²	11.0	70.9	168
47	15X0.34mm²	11.7	75.4	184
48	16X0.34mm²	11.7	78.6	188
49	18X0.34mm²	12.8	87.8	223
50	20X0.34mm²	13.0	94.8	234
51	24X0.34mm²	13.9	110.6	268
52	25X0.34mm²	14.3	114.3	280
53	30X0.34mm²	15.3	133.3	321
54	36X0.34mm²	17.2	157.3	389

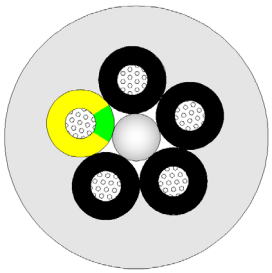
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-KY-PVC

高速 PVC 护套柔性拖链专用控制电缆

High speed PVC sheathed flexible drag chain special control cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

- FLEX101-Y-PVC
- FLEX101-CY-PVC
- FLEX101-KY-PVC
- FLEX101-KCY-PVC
- FLEX101-JY-PVC
- FLEX101-JCY-PVC
- FLEX101-KP-PUR
- FLEX101-KCP-PUR
- FLEX101-JP-PUR
- FLEX101-JCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
1000 万 -1500 万次拖链循环使用寿命。

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线成束绞合成缆；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径，
移动安装：7.5X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, and are suitable for use in mechanical places with high intensity sports. They are specially designed for recycling use in more than 10 million power towchains.

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
10 million to 15 million cycles of towline.

Technical certification

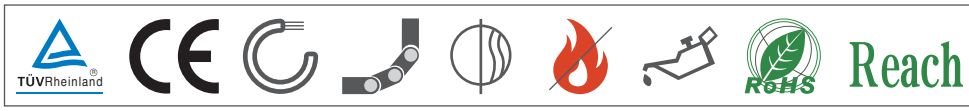
CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Cores stranded in bundles;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire,
X=excluding yellow green grounding protection core wire;
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
Moved installation: 7.5X cable diameter.



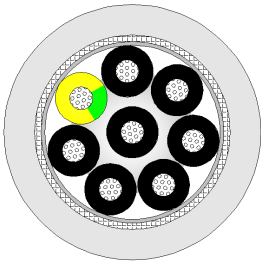
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.5	9.5	36
2	3G0.5mm²	5.8	14.2	45
3	4G0.5mm²	6.2	19.0	54
4	5G0.5mm²	6.8	23.7	65
5	6G0.5mm²	7.5	28.5	79
6	7G0.5mm²	8.0	33.2	90
7	8G0.5mm²	8.8	38.0	106
8	10G0.5mm²	9.7	47.5	127
9	12G0.5mm²	10.0	57.0	144
10	14G0.5mm²	10.7	66.4	167
11	15G0.5mm²	11.1	71.2	182
12	16G0.5mm²	11.4	75.9	190
13	18G0.5mm²	12.1	85.4	219
14	20G0.5mm²	12.6	94.9	236
15	24G0.5mm²	14.1	113.9	285
16	25G0.5mm²	14.1	118.7	298
17	30G0.5mm²	14.8	142.4	355
18	36G0.5mm²	16.1	170.9	422
19	2X0.75mm²	5.9	14.1	43
20	3G0.75mm²	6.2	21.1	55
21	4G0.75mm²	6.9	28.2	71
22	5G0.75mm²	7.5	35.2	85
23	6G0.75mm²	8.3	42.3	103
24	7G0.75mm²	8.9	49.3	118
25	8G0.75mm²	9.8	56.4	146
26	10G0.75mm²	10.7	70.4	165
27	12G0.75mm²	11.0	84.5	188
28	14G0.75mm²	11.5	98.6	212
29	15G0.75mm²	12.0	105.7	230
30	16G0.75mm²	12.5	112.7	247
31	18G0.75mm²	13.1	126.8	277
32	20G0.75mm²	13.7	140.9	309
33	24G0.75mm²	15.3	169.1	379
34	25G0.75mm²	15.3	176.1	379
35	30G0.75mm²	16.3	211.3	462
36	36G0.75mm²	17.7	253.6	549
37	2X1.0mm²	6.7	18.8	56
38	3G1.0mm²	7.0	28.3	71
39	4G1.0mm²	7.6	37.7	88
40	5G1.0mm²	8.5	47.1	110
41	6G1.0mm²	9.4	56.5	133
42	7G1.0mm²	10.1	65.9	152
43	8G1.0mm²	11.0	75.3	189
44	10G1.0mm²	12.1	94.2	213

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	12.7	113.0	249
46	14G1.0mm²	13.3	131.9	281
47	15G1.0mm²	13.8	141.3	305
48	16G1.0mm²	14.1	150.7	319
49	18G1.0mm²	14.8	169.5	359
50	20G1.0mm²	15.7	188.4	408
51	24G1.0mm²	17.3	226.0	491
52	25G1.0mm²	17.3	235.5	478
53	30G1.0mm²	18.5	282.5	571
54	36G1.0mm²	19.8	339.0	669
55	2X1.5mm²	7.7	28.3	74
56	3G1.5mm²	8.1	42.5	97
57	4G1.5mm²	9.0	56.7	125
58	5G1.5mm²	10.1	70.8	156
59	6G1.5mm²	11.1	85.0	189
60	7G1.5mm²	12.1	99.1	223
61	8G1.5mm²	13.3	113.3	275
62	10G1.5mm²	14.3	141.6	302
63	12G1.5mm²	14.9	170.0	354
64	14G1.5mm²	15.9	198.3	408
65	15G1.5mm²	16.2	212.5	434
66	16G1.5mm²	16.7	226.6	454
67	18G1.5mm²	17.7	255.0	521
68	20G1.5mm²	18.6	283.3	583
69	24G1.5mm²	20.9	339.9	724
70	25G1.5mm²	20.9	354.1	724
71	30G1.5mm²	22.1	424.9	871
72	36G1.5mm²	24.3	509.9	1058
73	2X2.5mm²	9.5	47.2	116
74	3G2.5mm²	10.0	70.7	152
75	4G2.5mm²	11.1	94.3	195
76	5G2.5mm²	12.4	117.9	243
77	6G2.5mm²	13.6	141.5	293
78	7G2.5mm²	14.9	165.1	360
79	8G2.5mm²	16.2	188.7	425
80	10G2.5mm²	17.7	235.8	477
81	12G2.5mm²	18.2	283.0	549
82	14G2.5mm²	19.2	330.1	623
83	15G2.5mm²	19.6	353.7	664
84	16G2.5mm²	20.6	377.3	716
85	18G2.5mm²	21.6	424.5	809
86	20G2.5mm²	23.1	471.6	928
87	24G2.5mm²	25.9	566.0	1147
88	25G2.5mm²	25.9	589.6	1149

FLEX101-KCY-PVC

高速 PVC 护套柔性拖链专用屏蔽控制电缆

High speed PVC sheathed flexible drag chain special shielded control cable



高速柔性
拖链专用电缆系列
HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

FLEX101-Y-PVC
FLEX101-CY-PVC
FLEX101-KY-PVC
FLEX101-KCY-PVC
FLEX101-JY-PVC
FLEX101-JCY-PVC
FLEX101-KP-PUR
FLEX101-KCP-PUR
FLEX101-JP-PUR
FLEX101-JCP-PUR

应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
1000 万 -1500 万次拖链循环使用寿命。

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线成束绞合成缆；
PVC 内护套；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号
导体电阻：符合 IEC60228 6 类标准
额定电压：300/500V
绝缘电阻：> 20MΩ x km
测试电压：4000V
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线
温度范围：
固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：10X 电缆直径。



Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in mechanical places with high intensity movement. It is specially designed for recycling use in dynamic drag chains with more than 10 million times.

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
10 million to 15 million cycles of towline.

Technical certification

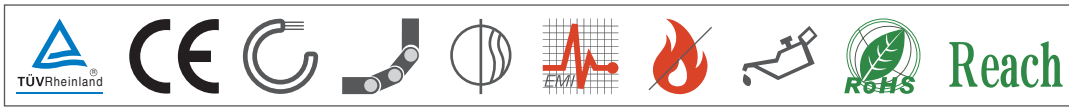
CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Cores stranded in bundles;
PVC inner sheath;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001)

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.8	22.7	71
2	3G0.5mm²	7.1	28.2	80
3	4G0.5mm²	7.7	35.0	96
4	5G0.5mm²	8.3	41.2	110
5	6G0.5mm²	8.8	47.6	124
6	7G0.5mm²	9.5	53.9	143
7	8G0.5mm²	10.1	60.5	160
8	10G0.5mm²	11.0	72.5	178
9	12G0.5mm²	11.7	83.4	209
10	14G0.5mm²	12.2	94.3	230
11	15G0.5mm²	12.8	99.8	253
12	16G0.5mm²	13.1	105.3	263
13	18G0.5mm²	13.6	116.4	290
14	20G0.5mm²	14.1	127.5	310
15	24G0.5mm²	15.8	150.8	390
16	25G0.5mm²	15.8	155.6	389
17	30G0.5mm²	16.7	181.5	459
18	36G0.5mm²	18.4	213.7	554
19	2X0.75mm²	7.2	28.5	82
20	3G0.75mm²	7.7	37.0	97
21	4G0.75mm²	8.2	45.6	113
22	5G0.75mm²	8.8	54.3	131
23	6G0.75mm²	9.4	63.2	149
24	7G0.75mm²	10.0	72.0	167
25	8G0.75mm²	10.9	81.0	201
26	10G0.75mm²	12.0	97.9	221
27	12G0.75mm²	12.9	113.5	265
28	14G0.75mm²	13.4	129.1	293
29	15G0.75mm²	13.7	137.0	308
30	16G0.75mm²	14.0	144.9	320
31	18G0.75mm²	14.8	160.8	361
32	20G0.75mm²	15.6	177.3	397
33	24G0.75mm²	17.2	223.4	501
34	25G0.75mm²	17.2	230.4	501
35	30G0.75mm²	18.6	269.7	611
36	36G0.75mm²	20.2	316.6	720
37	2X1.0mm²	8.0	35.6	102
38	3G1.0mm²	8.5	46.0	121
39	4G1.0mm²	9.1	57.2	141
40	5G1.0mm²	9.8	68.6	163
41	6G1.0mm²	10.5	80.1	187
42	7G1.0mm²	11.2	100.4	219
43	8G1.0mm²	12.1	112.8	263
44	10G1.0mm²	13.4	125.2	276

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	14.2	145.7	323
46	14G1.0mm²	15.0	166.3	366
47	15G1.0mm²	15.3	176.6	385
48	16G1.0mm²	15.6	187.1	402
49	18G1.0mm²	16.7	221.9	476
50	20G1.0mm²	17.6	243.5	520
51	24G1.0mm²	19.4	287.5	638
52	25G1.0mm²	19.6	297.7	649
53	30G1.0mm²	21.0	348.5	777
54	36G1.0mm²	22.5	411.2	906
55	2X1.5mm²	9.2	48.0	136
56	3G1.5mm²	9.6	70.8	164
57	4G1.5mm²	10.3	87.8	193
58	5G1.5mm²	11.4	105.2	232
59	6G1.5mm²	12.2	122.7	266
60	7G1.5mm²	13.2	140.9	317
61	8G1.5mm²	14.4	158.8	368
62	10G1.5mm²	16.0	179.2	394
63	12G1.5mm²	16.8	222.8	473
64	14G1.5mm²	17.8	254.1	533
65	15G1.5mm²	18.3	269.7	571
66	16G1.5mm²	18.8	285.5	595
67	18G1.5mm²	20.0	317.2	680
68	20G1.5mm²	21.1	349.7	744
69	24G1.5mm²	23.6	414.8	938
70	25G1.5mm²	23.6	429.0	938
71	30G1.5mm²	25.2	504.4	1120
72	36G1.5mm²	27.8	596.7	1360
73	2X2.5mm²	10.6	79.3	195
74	3G2.5mm²	11.1	105.0	228
75	4G2.5mm²	12.0	132.1	272
76	5G2.5mm²	13.3	159.7	328
77	6G2.5mm²	14.9	188.3	401
78	7G2.5mm²	16.0	216.0	471
79	8G2.5mm²	17.3	245.0	548
80	10G2.5mm²	19.4	298.0	607
81	12G2.5mm²	20.7	348.1	725
82	14G2.5mm²	21.7	399.0	807
83	15G2.5mm²	22.7	425.2	887
84	16G2.5mm²	23.3	450.8	926
85	18G2.5mm²	24.7	502.1	1053
86	20G2.5mm²	25.8	553.5	1163
87	24G2.5mm²	28.6	658.3	1412
88	25G2.5mm²	28.6	681.9	1414

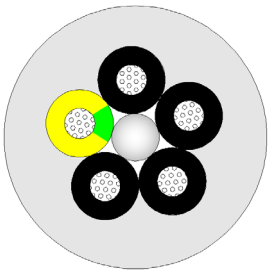
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-JY-PVC

高速 PVC 护套柔性拖链专用动力电缆

High speed PVC sheathed flexible drag chain special power cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

- FLEX101-Y-PVC
- FLEX101-CY-PVC
- FLEX101-KY-PVC
- FLEX101-KCY-PVC
- FLEX101-JY-PVC
- FLEX101-JCY-PVC
- FLEX101-KP-PUR
- FLEX101-KCP-PUR
- FLEX101-JP-PUR
- FLEX101-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, for power drag chains or mobile mechanical parts, suitable for use in mechanical places with high intensity movement, and specially designed for recycling in power drag chains with more than 10 million times of use.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
1000 万 -1500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
10 million to 15 million cycles of towline.

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
无纺布绕包；
PVC 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Non woven fabric wrapping;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.0	75.4	197
2	3G4.0mm²	12.7	113.1	254
3	4G4.0mm²	14.1	150.8	326
4	5G4.0mm²	15.6	188.5	419
5	2X6.0mm²	13.8	113.1	271
6	3G6.0mm²	14.6	169.7	353
7	4G6.0mm²	16.0	226.3	444
8	5G6.0mm²	17.6	282.8	571
9	2X10mm²	17.0	188.5	415
10	3G10mm²	18.0	282.8	549
11	4G10mm²	20.4	377.1	729
12	5G10mm²	22.7	471.4	947

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.2	302.0	616
14	3G16mm²	21.4	453.0	819
15	4G16mm²	24.0	604.0	1071
16	5G16mm²	26.6	755.0	1387
17	2X25mm²	25.0	472.2	946
18	3G25mm²	26.5	708.3	1263
19	4G25mm²	30.0	944.4	1677
20	5G25mm²	33.6	1180.5	2199
21	2X35mm²	28.0	660.7	1239
22	3G35mm²	30.1	991.1	1700
23	4G35mm²	33.9	1321.5	2246
24	5G35mm²	37.5	1651.9	2887

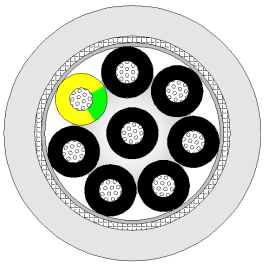
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-JCY-PVC

高速 PVC 护套柔性拖链专用屏蔽动力电缆

High speed PVC sheathed flexible drag chain special shielded power cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

- FLEX101-Y-PVC
- FLEX101-CY-PVC
- FLEX101-KY-PVC
- FLEX101-KCY-PVC
- FLEX101-JY-PVC
- FLEX101-JCY-PVC ▶
- FLEX101-KP-PUR
- FLEX101-KCP-PUR
- FLEX101-JP-PUR
- FLEX101-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
1000 万 -1500 万次拖链循环使用寿命。

技术认证

CE 认证，TUV 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：-40 至+ 70℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径，
移动安装：10X 电缆直径。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, power drag chains or mobile mechanical parts. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in mechanical places with high intensity movement. It is specially designed for recycling in power drag chains with more than 10 million times of use.

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
10 million to 15 million cycles of towline.

Technical certification

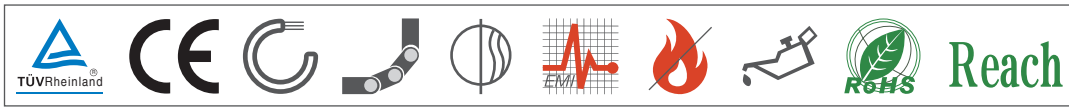
CE certification,TUV certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+70 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.4	102.8	227
2	3G4.0mm²	13.1	142.6	286
3	4G4.0mm²	14.5	198.7	377
4	5G4.0mm²	16.0	225.3	459
5	2X6.0mm²	14.2	144.7	305
6	3G6.0mm²	15.0	203.6	389
7	4G6.0mm²	16.4	264.3	485
8	5G6.0mm²	18.0	325.2	617
9	2X10mm²	17.4	229.0	458
10	3G10mm²	18.4	326.3	594
11	4G10mm²	20.8	442.5	797
12	5G10mm²	23.1	544.2	1025

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.6	366.6	682
14	3G16mm²	21.8	522.4	891
15	4G16mm²	24.4	681.9	1151
16	5G16mm²	27.0	841.8	1479
17	2X25mm²	25.4	552.6	1028
18	3G25mm²	26.9	794.7	1352
19	4G25mm²	30.4	1041.5	1777
20	5G25mm²	34.0	1288.6	2314
21	2X35mm²	28.4	751.5	1331
22	3G35mm²	30.5	1088.5	1800
23	4G35mm²	34.3	1431.0	2357
24	5G35mm²	37.9	1773.9	3016

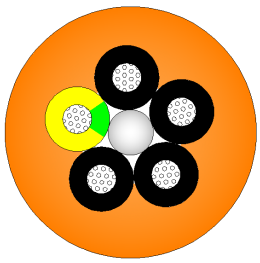
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-KP-PUR

高速 PUR 护套柔性拖链专用控制电缆

High speed PUR sheathed flexible drag chain special control cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

FLEX101-Y-PVC
FLEX101-CY-PVC
FLEX101-KY-PVC
FLEX101-KCY-PVC
FLEX101-JY-PVC
FLEX101-JCY-PVC
FLEX101-KP-PUR
FLEX101-KCP-PUR
FLEX101-JP-PUR
FLEX101-JCP-PUR

应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
1000 万 -1500 万次拖链循环使用寿命。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线成束绞合成缆；
无纺布绕包；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：-40 至+ 80℃；
移动安装：-40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：7.5X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, and are suitable for use in mechanical places with high intensity sports. They are specially designed for recycling use in more than 10 million power towchains. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
10 million to 15 million cycles of towline.

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Cores stranded in bundles;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 7.5X cable diameter.





物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.5	9.5	33
2	3G0.5mm²	5.8	14.2	41
3	4G0.5mm²	6.2	19.0	51
4	5G0.5mm²	6.8	23.7	61
5	6G0.5mm²	7.5	28.5	74
6	7G0.5mm²	8.0	33.2	85
7	8G0.5mm²	8.8	38.0	100
8	10G0.5mm²	9.7	47.5	120
9	12G0.5mm²	10.0	57.0	137
10	14G0.5mm²	10.7	66.4	158
11	15G0.5mm²	11.1	71.2	173
12	16G0.5mm²	11.4	75.9	180
13	18G0.5mm²	12.1	85.4	208
14	20G0.5mm²	12.6	94.9	224
15	24G0.5mm²	14.1	113.9	272
16	25G0.5mm²	14.1	118.7	284
17	30G0.5mm²	14.8	142.4	340
18	36G0.5mm²	16.1	170.9	405
19	2X0.75mm²	5.9	14.1	40
20	3G0.75mm²	6.2	21.1	51
21	4G0.75mm²	6.9	28.2	66
22	5G0.75mm²	7.5	35.2	80
23	6G0.75mm²	8.3	42.3	97
24	7G0.75mm²	8.9	49.3	112
25	8G0.75mm²	9.8	56.4	139
26	10G0.75mm²	10.7	70.4	157
27	12G0.75mm²	11.0	84.5	179
28	14G0.75mm²	11.5	98.6	202
29	15G0.75mm²	12.0	105.7	220
30	16G0.75mm²	12.5	112.7	236
31	18G0.75mm²	13.1	126.8	266
32	20G0.75mm²	13.7	140.9	297
33	24G0.75mm²	15.3	169.1	364
34	25G0.75mm²	15.3	176.1	364
35	30G0.75mm²	16.3	211.3	445
36	36G0.75mm²	17.7	253.6	530
37	2X1.0mm²	6.7	18.8	52
38	3G1.0mm²	7.0	28.3	67
39	4G1.0mm²	7.6	37.7	83
40	5G1.0mm²	8.5	47.1	104
41	6G1.0mm²	9.4	56.5	126
42	7G1.0mm²	10.1	65.9	145
43	8G1.0mm²	11.0	75.3	180
44	10G1.0mm²	12.1	94.2	203

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	12.7	113.0	238
46	14G1.0mm²	13.3	131.9	269
47	15G1.0mm²	13.8	141.3	291
48	16G1.0mm²	14.1	150.7	305
49	18G1.0mm²	14.8	169.5	344
50	20G1.0mm²	15.7	188.4	392
51	24G1.0mm²	17.3	226.0	473
52	25G1.0mm²	17.3	235.5	460
53	30G1.0mm²	18.5	282.5	551
54	36G1.0mm²	19.8	339.0	647
55	2X1.5mm²	7.7	28.3	70
56	3G1.5mm²	8.1	42.5	92
57	4G1.5mm²	9.0	56.7	119
58	5G1.5mm²	10.1	70.8	149
59	6G1.5mm²	11.1	85.0	180
60	7G1.5mm²	12.1	99.1	213
61	8G1.5mm²	13.3	113.3	263
62	10G1.5mm²	14.3	141.6	289
63	12G1.5mm²	14.9	170.0	339
64	14G1.5mm²	15.9	198.3	391
65	15G1.5mm²	16.2	212.5	417
66	16G1.5mm²	16.7	226.6	437
67	18G1.5mm²	17.7	255.0	502
68	20G1.5mm²	18.6	283.3	562
69	24G1.5mm²	20.9	339.9	698
70	25G1.5mm²	20.9	354.1	699
71	30G1.5mm²	22.1	424.9	844
72	36G1.5mm²	24.3	509.9	1024
73	2X2.5mm²	9.5	47.2	109
74	3G2.5mm²	10.0	70.7	144
75	4G2.5mm²	11.1	94.3	186
76	5G2.5mm²	12.4	117.9	233
77	6G2.5mm²	13.6	141.5	281
78	7G2.5mm²	14.9	165.1	346
79	8G2.5mm²	16.2	188.7	408
80	10G2.5mm²	17.7	235.8	458
81	12G2.5mm²	18.2	283.0	529
82	14G2.5mm²	19.2	330.1	601
83	15G2.5mm²	19.6	353.7	642
84	16G2.5mm²	20.6	377.3	691
85	18G2.5mm²	21.6	424.5	782
86	20G2.5mm²	23.1	471.6	897
87	24G2.5mm²	25.9	566.0	1109
88	25G2.5mm²	25.9	589.6	1111

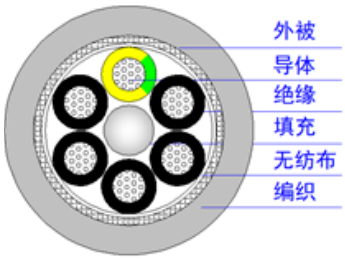
拖链专用电缆
SPECIAL CABLE FOR DRAG CHAIN

04

FLEX101-KCP-PUR

高速 PUR 护套柔性拖链专用屏蔽控制电缆

High speed PUR sheathed flexible drag chain special shielded control cable



高速柔性
拖链专用电缆系列

HIGH SPEED FLEXIBLE DRAG CHAIN CABLE SERIES

- FLEX101-Y-PVC
- FLEX101-CY-PVC
- FLEX101-KY-PVC
- FLEX101-KCY-PVC
- FLEX101-JY-PVC
- FLEX101-JCY-PVC
- FLEX101-KP-PUR
- FLEX101-KCP-PUR
- FLEX101-JP-PUR
- FLEX101-JCP-PUR

应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
1000 万 -1500 万次拖链循环使用寿命。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线成束绞合成缆；
PVC 内护套；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：-40 至+ 80℃；
移动安装：-40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：10X 电缆直径。



Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, and are suitable for use in mechanical places with high intensity sports. They are specially designed for recycling use in more than 10 million power towchains. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
10 million to 15 million cycles of towline

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Cores stranded in bundles;
PVC inner sheath;
Tin plated braided shield, about 85% coverag;e
PUR outer sheath;
Outer sheath color:grey (RAL7001)

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 10X cable diameter.



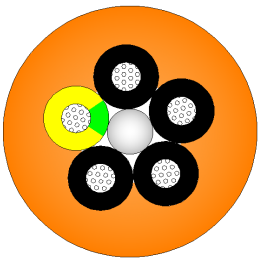
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.8	22.7	67
2	3G0.5mm²	7.1	28.2	75
3	4G0.5mm²	7.7	35.0	91
4	5G0.5mm²	8.3	41.2	105
5	6G0.5mm²	8.8	47.6	119
6	7G0.5mm²	9.5	53.9	137
7	8G0.5mm²	10.1	60.5	153
8	10G0.5mm²	11.0	72.5	171
9	12G0.5mm²	11.7	83.4	200
10	14G0.5mm²	12.2	94.3	221
11	15G0.5mm²	12.8	99.8	242
12	16G0.5mm²	13.1	105.3	252
13	18G0.5mm²	13.6	116.4	278
14	20G0.5mm²	14.1	127.5	298
15	24G0.5mm²	15.8	150.8	376
16	25G0.5mm²	15.8	155.6	375
17	30G0.5mm²	16.7	181.5	443
18	36G0.5mm²	18.4	213.7	534
19	2X0.75mm²	7.2	28.5	78
20	3G0.75mm²	7.7	37.0	93
21	4G0.75mm²	8.2	45.6	108
22	5G0.75mm²	8.8	54.3	125
23	6G0.75mm²	9.4	63.2	143
24	7G0.75mm²	10.0	72.0	161
25	8G0.75mm²	10.9	81.0	193
26	10G0.75mm²	12.0	97.9	212
27	12G0.75mm²	12.9	113.5	254
28	14G0.75mm²	13.4	129.1	281
29	15G0.75mm²	13.7	137.0	296
30	16G0.75mm²	14.0	144.9	308
31	18G0.75mm²	14.8	160.8	348
32	20G0.75mm²	15.6	177.3	383
33	24G0.75mm²	17.2	223.4	484
34	25G0.75mm²	17.2	230.4	484
35	30G0.75mm²	18.6	269.7	590
36	36G0.75mm²	20.2	316.6	695
37	2X1.0mm²	8.0	35.6	97
38	3G1.0mm²	8.5	46.0	115
39	4G1.0mm²	9.1	57.2	134
40	5G1.0mm²	9.8	68.6	157
41	6G1.0mm²	10.5	80.1	180
42	7G1.0mm²	11.2	100.4	212
43	8G1.0mm²	12.1	112.8	253
44	10G1.0mm²	13.4	125.2	266

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	14.2	145.7	311
46	14G1.0mm²	15.0	166.3	352
47	15G1.0mm²	15.3	176.6	371
48	16G1.0mm²	15.6	187.1	387
49	18G1.0mm²	16.7	221.9	460
50	20G1.0mm²	17.6	243.5	502
51	24G1.0mm²	19.4	287.5	616
52	25G1.0mm²	19.6	297.7	628
53	30G1.0mm²	21.0	348.5	751
54	36G1.0mm²	22.5	411.2	879
55	2X1.5mm²	9.2	48.0	130
56	3G1.5mm²	9.6	70.8	158
57	4G1.5mm²	10.3	87.8	186
58	5G1.5mm²	11.4	105.2	223
59	6G1.5mm²	12.2	122.7	257
60	7G1.5mm²	13.2	140.9	307
61	8G1.5mm²	14.4	158.8	357
62	10G1.5mm²	16.0	179.2	379
63	12G1.5mm²	16.8	222.8	456
64	14G1.5mm²	17.8	254.1	515
65	15G1.5mm²	18.3	269.7	551
66	16G1.5mm²	18.8	285.5	574
67	18G1.5mm²	20.0	317.2	655
68	20G1.5mm²	21.1	349.7	718
69	24G1.5mm²	23.6	414.8	906
70	25G1.5mm²	23.6	429.0	906
71	30G1.5mm²	25.2	504.4	1083
72	36G1.5mm²	27.8	596.7	1313
73	2X2.5mm²	10.6	79.3	188
74	3G2.5mm²	11.1	105.0	220
75	4G2.5mm²	12.0	132.1	264
76	5G2.5mm²	13.3	159.7	318
77	6G2.5mm²	14.9	188.3	388
78	7G2.5mm²	16.0	216.0	457
79	8G2.5mm²	17.3	245.0	532
80	10G2.5mm²	19.4	298.0	587
81	12G2.5mm²	20.7	348.1	699
82	14G2.5mm²	21.7	399.0	781
83	15G2.5mm²	22.7	425.2	857
84	16G2.5mm²	23.3	450.8	895
85	18G2.5mm²	24.7	502.1	1017
86	20G2.5mm²	25.8	553.5	1125
87	24G2.5mm²	28.6	658.3	1368
88	25G2.5mm²	28.6	681.9	1370

FLEX101-JP-PUR

高速 PUR 护套柔性拖链专用动力电缆

High speed PUR sheathed flexible drag chain special power cable



高速柔性
拖链专用电缆系列
HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

FLEX101-Y-PVC
FLEX101-CY-PVC
FLEX101-KY-PVC
FLEX101-KCY-PVC
FLEX101-JY-PVC
FLEX101-JCY-PVC
FLEX101-KP-PUR
FLEX101-KCP-PUR
FLEX101-JP-PUR
FLEX101-JCP-PUR

应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, for power drag chains or mobile mechanical parts, suitable for use in mechanical places with high intensity movement, and specially designed for recycling in power drag chains with more than 10 million times of use. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
1000 万 -1500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
10 million to 15 million cycles of towline.



技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
无纺布绕包；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Non woven fabric wrapping;
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 7.5X cable diameter.

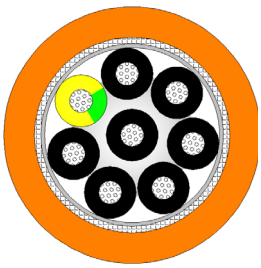
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.0	75.4	186
2	3G4.0mm²	12.7	113.1	242
3	4G4.0mm²	14.1	150.8	312
4	5G4.0mm²	15.6	188.5	402
5	2X6.0mm²	13.8	113.1	257
6	3G6.0mm²	14.6	169.7	337
7	4G6.0mm²	16.0	226.3	427
8	5G6.0mm²	17.6	282.8	551
9	2X10mm²	17.0	188.5	396
10	3G10mm²	18.0	282.8	528
11	4G10mm²	20.4	377.1	702
12	5G10mm²	22.7	471.4	914

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.2	302.0	588
14	3G16mm²	21.4	453.0	791
15	4G16mm²	24.0	604.0	1035
16	5G16mm²	26.6	755.0	1344
17	2X25mm²	25.0	472.2	905
18	3G25mm²	26.5	708.3	1221
19	4G25mm²	30.0	944.4	1621
20	5G25mm²	33.6	1180.5	2127
21	2X35mm²	28.0	660.7	1190
22	3G35mm²	30.1	991.1	1644
23	4G35mm²	33.9	1321.5	2173
24	5G35mm²	37.5	1651.9	2802

FLEX101-JCP-PUR

高速 PUR 护套柔性拖链专用屏蔽动力电缆

High speed PUR sheathed flexible drag chain special shielded power cable



高速柔性
拖链专用电缆系列
HIGH SPEED FLEXIBLE
DRAG CHAIN CABLE SERIES

FLEX101-Y-PVC
FLEX101-CY-PVC
FLEX101-KY-PVC
FLEX101-KCY-PVC
FLEX101-JY-PVC
FLEX101-JCY-PVC
FLEX101-KP-PUR
FLEX101-KCP-PUR
FLEX101-JP-PUR
FLEX101-JCP-PUR



应用范围

这些动力电缆主要应用于工业自动化设备的动力驱动系统，用于动力拖链或移动机械部件，适合在高强度运动的机械场所使用，专为 1000 万次以上动力拖链中循环使用而设计。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These power cables are mainly used in the power drive system of industrial automation equipment, for power drag chains or mobile mechanical parts, suitable for use in mechanical places with high intensity movement, and specially designed for recycling in power drag chains with more than 10 million times of use. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
电磁兼容 EMC 场合；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
1000 万 -1500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
EMC occasions;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
10 million to 15 million cycles of towline

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
无纺布绕包；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Non woven fabric wrapping;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001)



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：0.6/1KV；
绝缘电阻：＞ 20M Ω x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线；
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 0.6/1KV;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X4.0mm²	12.4	102.8	215
2	3G4.0mm²	13.1	142.6	274
3	4G4.0mm²	14.5	198.7	362
4	5G4.0mm²	16.0	225.3	442
5	2X6.0mm²	14.2	144.7	290
6	3G6.0mm²	15.0	203.6	373
7	4G6.0mm²	16.4	264.3	467
8	5G6.0mm²	18.0	325.2	596
9	2X10mm²	17.4	229.0	438
10	3G10mm²	18.4	326.3	573
11	4G10mm²	20.8	442.5	769
12	5G10mm²	23.1	544.2	991

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
13	2X16mm²	20.6	366.6	655
14	3G16mm²	21.8	522.4	862
15	4G16mm²	24.4	681.9	1115
16	5G16mm²	27.0	841.8	1435
17	2X25mm²	25.4	552.6	987
18	3G25mm²	26.9	794.7	1309
19	4G25mm²	30.4	1041.5	1720
20	5G25mm²	34.0	1288.6	2241
21	2X35mm²	28.4	751.5	1281
22	3G35mm²	30.5	1088.5	1743
23	4G35mm²	34.3	1431.0	2284
24	5G35mm²	37.9	1773.9	2930



WIPOUS®
维普斯

特殊环境用拖链电缆

DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

应用领域APPLICATION FIELD:

有低温要求自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，更具柔性和耐用性，适合在频繁运动的机械场所使用。机器人系统环境，如本体、手臂等系统中使用。

Data transmission systems in automated production processes with low temperature requirements are used for measuring, controlling, and regulating signals, making them more flexible and durable, and suitable for use in frequently moving mechanical locations. Used in robot system environments, such as body, arm, and other systems.

WIPOUS
维普斯



特点CHARACTERISTIC:

采用CALSS 6类导体精绞合，导体绞合时可选芳纶丝

Calss 6 conductor is used for stranding, and Aramid fiber is optional for conductor stranding

结构采用100%退扭层绞合、星绞合工艺

The structure adopts 100% untwisted layer stranding and star stranding process

高柔性

High flexibility

低粘性表面耐磨性能优异

Low viscosity surface, excellent wear resistance

阻燃性符合IEC60332-1-2

Flame retardant in accordance with IEC60332-1-2

耐油性符EN50290-2-22(TM54)标准

Oil resistance in accordance with EN50290-2-22 (TM54) standard

拖链循环使用≥2000万次

Drag chain recycling ≥ 20 million times

扭转寿命≥100万次

Torsion life ≥ 1 million times

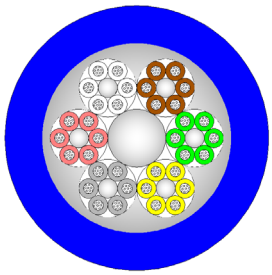
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX501-P-PUR

高端型 PUR 护套机器人专用数据电缆

High-end PUR sheathed robot special data cable



机器人专用电缆
ROBOT SPECIAL CABLE

- FLEX501-P-PUR
- FLEX501-CP-PUR
- FLEX501-CP-TP-PUR
- FLEX501-KP-PUR
- FLEX501-KCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，特别适合在需要弯曲扭转运动的机械场所使用，可应用于工业机器人领域，在拖链中循环使用可达 2000 万次以上。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are especially suitable for use in mechanical places where bending and twisting movements are required. They can be used in the field of industrial robots and can be recycled in drag chains for more than 20 million times. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
2000 万次以上拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
More than 20 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝（带抗拉芯），
符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
小于 8 芯：成束绞合；
大于 8 芯：围绕加强芯分组绞合；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire (with tensile core), conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Less than 8 cores: stranded in bundles;
More than 8 cores: group stranding around reinforced core;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V;
绝缘电阻：＞ 20MΩ x km;
测试电压：1500V;
电容：约 70nF/km;
电感：约 0.65mH/km;
温度范围：
　　固定安装：−40 至+ 80℃;
　　移动安装：−40 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃;
　　Moved installation: − 40 to+80 ℃.
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	4.5	2.7	25
2	3X0.14mm²	4.7	4.0	28
3	4X0.14mm²	5.0	5.3	32
4	5X0.14mm²	5.3	6.6	36
5	6X0.14mm²	5.6	8.0	41
6	7X0.14mm²	5.9	9.3	45
7	8X0.14mm²	6.3	10.6	51
8	10X0.14mm²	7.0	13.3	61
9	12X0.14mm²	8.4	15.9	74
10	14X0.14mm²	8.7	18.6	81
11	15X0.14mm²	9.0	19.9	85
12	16X0.14mm²	9.0	21.3	87
13	18X0.14mm²	9.6	23.9	97
14	20X0.14mm²	9.7	26.6	102
15	24X0.14mm²	10.5	31.9	117
16	25X0.14mm²	10.6	33.2	119
17	30X0.14mm²	11.6	39.9	144
18	36X0.14mm²	13.0	47.8	173
19	2X0.25mm²	4.9	4.7	31
20	3X0.25mm²	5.1	7.1	35
21	4X0.25mm²	5.4	9.5	41
22	5X0.25mm²	5.8	11.9	47
23	6X0.25mm²	6.2	14.2	53
24	7X0.25mm²	6.6	16.6	60
25	8X0.25mm²	7.0	19.0	67
26	10X0.25mm²	8.2	23.7	89
27	12X0.25mm²	9.5	28.5	97

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
28	14X0.25mm²	9.8	33.2	107
29	15X0.25mm²	10.2	35.6	113
30	16X0.25mm²	10.2	38.0	116
31	18X0.25mm²	11.1	42.7	136
32	20X0.25mm²	11.2	47.5	144
33	24X0.25mm²	12.3	57.0	172
34	25X0.25mm²	12.5	59.3	175
35	30X0.25mm²	13.4	71.2	202
36	36X0.25mm²	14.8	85.4	236
37	2X0.34mm²	5.1	6.5	35
38	3X0.34mm²	5.3	9.7	40
39	4X0.34mm²	5.7	12.9	46
40	5X0.34mm²	6.1	16.1	54
41	6X0.34mm²	6.5	19.4	61
42	7X0.34mm²	6.9	22.6	69
43	8X0.34mm²	7.8	25.8	85
44	10X0.34mm²	8.7	32.3	103
45	12X0.34mm²	10.0	38.7	112
46	14X0.34mm²	10.3	45.2	124
47	15X0.34mm²	11.0	48.4	137
48	16X0.34mm²	11.0	51.6	141
49	18X0.34mm²	11.9	58.1	164
50	20X0.34mm²	12.1	64.5	173
51	24X0.34mm²	13.0	77.5	201
52	25X0.34mm²	13.2	80.7	205
53	30X0.34mm²	14.4	96.8	245
54	36X0.34mm²	15.9	116.2	286

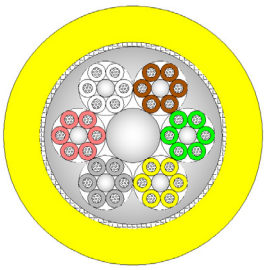
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX501-CP-PUR

高端型 PUR 护套机器人专用屏蔽数据电缆

High-end PUR sheathed robot special shielded data cable



机器人专用电缆
ROBOT SPECIAL CABLE

- FLEX501-P-PUR
- FLEX501-CP-PUR
- FLEX501-CP-TP-PUR
- FLEX501-KP-PUR
- FLEX501-KCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，特别适合在需要弯曲扭转运动的机械场所使用，可应用于工业机器人领域，在拖链中循环使用可达 2000 万次以上。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are especially suitable for use in mechanical places where bending and twisting movements are required. They can be used in the field of industrial robots and can be recycled in drag chains for more than 20 million times. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
2000 万次以上拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
More than 20 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝（带抗拉芯），
符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
小于 8 芯：成束绞合；
大于 8 芯：围绕加强芯分组绞合；
TPE 内护套；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire (with tensile core), conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Less than 8 cores: stranded in bundles;
More than 8 cores: group stranding around reinforced core;
TPE inner sheath;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V;
绝缘电阻：＞ 20MΩ x km;
测试电压：1500V;
电容：约 70nF/km;
电感：约 0.65mH/km;
温度范围：
　　固定安装：−40 至+ 80℃;
　　移动安装：−40 至+ 80℃ .
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：10X 电缆直径 .

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.14mm²	5.0	10.1	34
2	3X0.14mm²	5.2	11.8	38
3	4X0.14mm²	5.5	13.9	43
4	5X0.14mm²	5.8	16.0	48
5	6X0.14mm²	6.1	18.1	54
6	7X0.14mm²	6.4	20.3	59
7	8X0.14mm²	7.0	22.5	69
8	10X0.14mm²	8.0	29.9	90
9	12X0.14mm²	9.1	36.0	102
10	14X0.14mm²	9.4	39.5	110
11	15X0.14mm²	9.7	41.8	116
12	16X0.14mm²	9.7	43.1	118
13	18X0.14mm²	10.3	47.5	130
14	20X0.14mm²	10.4	50.6	136
15	24X0.14mm²	11.4	58.2	160
16	25X0.14mm²	11.5	59.8	162
17	30X0.14mm²	12.7	69.3	197
18	36X0.14mm²	14.1	80.9	233
19	2X0.25mm²	5.4	13.2	42
20	3X0.25mm²	5.6	16.0	46
21	4X0.25mm²	5.9	19.2	53
22	5X0.25mm²	6.3	22.5	60
23	6X0.25mm²	6.9	25.9	71
24	7X0.25mm²	7.3	31.8	81
25	8X0.25mm²	7.7	35.5	90
26	10X0.25mm²	8.8	42.8	114
27	12X0.25mm²	10.2	51.6	129

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
28	14X0.25mm²	10.5	57.3	140
29	15X0.25mm²	10.9	60.9	149
30	16X0.25mm²	10.9	63.2	152
31	18X0.25mm²	12.0	70.6	180
32	20X0.25mm²	12.1	75.8	189
33	24X0.25mm²	13.2	88.0	222
34	25X0.25mm²	13.4	90.8	226
35	30X0.25mm²	14.3	105.4	258
36	36X0.25mm²	16.1	123.8	313
37	2X0.34mm²	5.6	17.3	48
38	3X0.34mm²	5.8	21.1	53
39	4X0.34mm²	6.2	25.4	61
40	5X0.34mm²	6.8	29.9	73
41	6X0.34mm²	7.2	34.3	83
42	7X0.34mm²	7.6	38.8	92
43	8X0.34mm²	8.3	44.0	107
44	10X0.34mm²	9.2	52.6	129
45	12X0.34mm²	10.7	63.4	147
46	14X0.34mm²	11.0	70.9	160
47	15X0.34mm²	11.7	75.4	175
48	16X0.34mm²	11.7	78.6	179
49	18X0.34mm²	12.8	87.8	211
50	20X0.34mm²	13.0	94.8	222
51	24X0.34mm²	13.9	110.6	255
52	25X0.34mm²	14.3	114.3	266
53	30X0.34mm²	15.3	133.3	305
54	36X0.34mm²	17.2	157.3	369

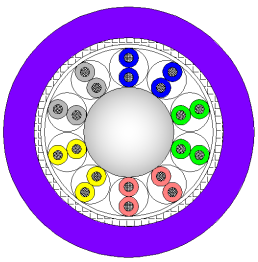
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX501-CP-TP-PUR

高端型 PUR 护套机器人专用屏蔽对绞数据电缆

High-end PUR sheathed robot special shielded twisted pair data cable



机器人专用电缆
ROBOT SPECIAL CABLE

FLEX501-P-PUR
FLEX501-CP-PUR
FLEX501-CP-TP-PUR
FLEX501-KP-PUR
FLEX501-KCP-PUR



应用范围

这些数据电缆主要应用于自动化生产过程当中的数据传输系统，用于测量，控制和调节信号，特别适合在需要弯曲扭转运动的机械场所使用，可应用于工业机器人领域，在拖链中循环使用可达 2000 万次以上。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These data cables are mainly used in the data transmission system in the automatic production process to measure, control and adjust signals. They are especially suitable for use in mechanical places where bending and twisting movements are required. They can be used in the field of industrial robots and can be recycled in drag chains for more than 20 million times. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
电磁兼容 EMC 场合；
对绞结构可使电路去耦（串音效果）；
2000 万次以上拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
The twisted pair structure can decouple the circuit (crosstalk effect);
More than 20 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝（带抗拉芯），
符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线绞合成对；
TPE 内护套；
镀锡编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire (with tensile core), conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Core twisted pair;
TPE inner sheath;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−40 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2PX0.14mm²	6.1	14.7	45
2	3PX0.14mm²	6.5	18.4	53
3	4PX0.14mm²	7.2	22.3	66
4	5PX0.14mm²	7.7	28.9	76
5	6PX0.14mm²	8.2	33.3	85
6	7PX0.14mm²	8.8	37.6	95
7	8PX0.14mm²	9.6	42.3	110
8	10PX0.14mm²	10.3	49.6	126
9	12PX0.14mm²	10.7	55.9	144
10	14PX0.14mm²	11.2	62.8	157
11	15PX0.14mm²	11.9	67.1	172
12	16PX0.14mm²	11.9	69.8	177
13	18PX0.14mm²	12.5	76.9	193
14	20PX0.14mm²	13.2	84.0	215
15	25PX0.14mm²	14.5	101.5	252
16	2PX0.25mm²	6.8	20.6	56
17	3PX0.25mm²	7.4	26.6	70
18	4PX0.25mm²	8.0	35.6	87
19	5PX0.25mm²	8.6	42.3	98
20	6PX0.25mm²	9.2	49.1	111
21	7PX0.25mm²	10.1	55.9	129
22	8PX0.25mm²	11.0	63.1	149
23	10PX0.25mm²	12.0	75.1	178
24	12PX0.25mm²	12.3	85.8	198
25	14PX0.25mm²	13.1	97.3	222
26	15PX0.25mm²	13.7	103.9	236
27	16PX0.25mm²	13.7	108.8	245
28	18PX0.25mm²	14.3	120.5	267
29	20PX0.25mm²	15.0	132.3	291
30	25PX0.25mm²	16.9	161.1	359

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
31	2PX0.34mm²	7.1	24.9	62
32	3PX0.34mm²	7.8	35.4	82
33	4PX0.34mm²	8.4	43.8	99
34	5PX0.34mm²	9.0	52.4	113
35	6PX0.34mm²	9.9	61.2	132
36	7PX0.34mm²	10.8	69.9	153
37	8PX0.34mm²	11.6	78.9	171
38	10PX0.34mm²	12.6	94.6	205
39	12PX0.34mm²	13.0	109.0	230
40	14PX0.34mm²	13.6	124.1	253
41	15PX0.34mm²	14.5	132.6	276
42	16PX0.34mm²	14.5	139.3	286
43	18PX0.34mm²	15.4	154.7	321
44	20PX0.34mm²	16.1	170.0	350
45	25PX0.34mm²	18.1	208.1	431
46	2PX0.5mm²	7.4	35.5	79
47	3PX0.5mm²	8.0	46.9	98
48	4PX0.5mm²	8.9	58.7	124
49	5PX0.5mm²	9.8	70.7	146
50	6PX0.5mm²	10.6	82.9	167
51	7PX0.5mm²	11.6	95.0	193
52	8PX0.5mm²	12.5	107.5	217
53	10PX0.5mm²	13.7	129.8	261
54	12PX0.5mm²	14.3	150.6	302
55	14PX0.5mm²	15.0	172.2	333
56	15PX0.5mm²	15.9	184.2	362
57	16PX0.5mm²	15.9	194.0	377
58	18PX0.5mm²	16.9	215.9	422
59	20PX0.5mm²	17.7	252.2	476
60	25PX0.5mm²	19.9	308.4	584

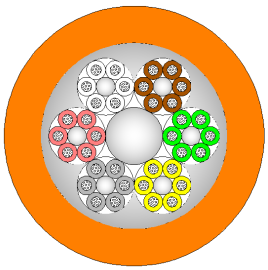
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX501-KP-PUR

高端型 PUR 护套机器人专用控制电缆

High-end PUR sheathed robot special control cable



机器人专用电缆
ROBOT SPECIAL CABLE

- FLEX501-P-PUR
- FLEX501-CP-PUR
- FLEX501-CP-TP-PUR
- FLEX501-KP-PUR
- FLEX501-KCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，特别适合在需要弯曲扭转运动的机械场所使用，可应用于工业机器人领域，在拖链中循环使用可达 2000 万次以上。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
2000 万次以上拖链循环使用寿命。

技术认证

CE 认证；
符合 IEC60227-5 和 EN50525-2-51；
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝（带抗拉芯），
符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
小于 8 芯：成束绞合；
大于 8 芯：围绕加强芯分组绞合；
PUR 外护套；
外护套灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：-40 至+ 80℃；
移动安装：-40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：7.5X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, especially in mechanical places where bending and twisting movements are required. They can be used in the field of industrial robots, and can be recycled in drag chains for more than 20 million times. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

Product characteristics

Flexible, easy to bend
Wear resistant surface, cutting resistant
Flame retardancy conform to IEC60332-1-2
Oil resistance conform to EN60811-404
More than 20 million cycles of towline service life

Technical certification

CE certification
Conform to IEC60227-5 and EN50525-2-51
RoHS，REACH

Cable structure

Ultra fine stranded bare copper wire (with tensile core), conform to IEC60228 standard, Category 6
TPE core wire insulation
Less than 8 cores: stranded in bundles;
More than 8 cores: group stranding around reinforced core
PUR outer sheath
Outer sheath color:grey (RAL7001)

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	5.7	9.5	42
2	3G0.5mm²	5.9	14.2	49
3	4G0.5mm²	6.4	19.0	58
4	5G0.5mm²	7.2	23.7	74
5	6G0.5mm²	7.7	28.5	85
6	7G0.5mm²	8.2	33.2	96
7	8G0.5mm²	8.7	38.0	109
8	10G0.5mm²	10.2	47.5	128
9	12G0.5mm²	11.4	57.0	150
10	14G0.5mm²	11.8	66.4	167
11	15G0.5mm²	12.7	71.2	189
12	16G0.5mm²	12.7	75.9	194
13	18G0.5mm²	13.5	85.4	218
14	20G0.5mm²	13.7	94.9	232
15	24G0.5mm²	14.9	104.4	270
16	25G0.5mm²	15.2	113.9	282
17	30G0.5mm²	16.7	118.7	344
18	36G0.5mm²	18.5	132.9	403
19	2X0.75mm²	6.1	142.4	51
20	3G0.75mm²	6.4	151.9	61
21	4G0.75mm²	7.2	161.4	79
22	5G0.75mm²	7.8	170.9	92
23	6G0.75mm²	8.3	180.4	107
24	7G0.75mm²	8.8	189.8	121
25	8G0.75mm²	9.5	199.3	137
26	10G0.75mm²	11.1	218.3	162
27	12G0.75mm²	12.9	237.3	201
28	14G0.75mm²	13.3	14.1	224
29	15G0.75mm²	13.9	21.1	239
30	16G0.75mm²	13.9	28.2	247
31	18G0.75mm²	14.8	35.2	277
32	20G0.75mm²	15.0	42.3	296
33	24G0.75mm²	16.7	49.3	363
34	25G0.75mm²	16.9	56.4	370
35	30G0.75mm²	18.3	70.4	442
36	36G0.75mm²	20.9	84.5	546
37	2X1.0mm²	7.1	98.6	69
38	3G1.0mm²	7.4	105.7	82
39	4G1.0mm²	8.0	112.7	98
40	5G1.0mm²	8.6	126.8	116
41	6G1.0mm²	9.2	140.9	135
42	7G1.0mm²	9.8	155.0	153
43	8G1.0mm²	11.0	169.1	184
44	10G1.0mm²	12.6	176.1	209

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	14.2	197.3	247
46	14G1.0mm²	15.1	211.3	289
47	15G1.0mm²	16.0	225.4	316
48	16G1.0mm²	16.0	239.5	327
49	18G1.0mm²	17.3	253.6	376
50	20G1.0mm²	17.9	267.7	416
51	24G1.0mm²	19.4	281.8	486
52	25G1.0mm²	19.6	295.9	497
53	30G1.0mm²	21.5	324.1	602
54	36G1.0mm²	23.8	352.2	707
55	2X1.5mm²	8.3	18.8	96
56	3G1.5mm²	8.7	28.3	115
57	4G1.5mm²	9.4	37.7	139
58	5G1.5mm²	10.3	47.1	170
59	6G1.5mm²	11.5	56.5	207
60	7G1.5mm²	12.3	65.9	236
61	8G1.5mm²	13.6	75.3	280
62	10G1.5mm²	15.3	94.2	306
63	12G1.5mm²	17.6	113.0	377
64	14G1.5mm²	18.7	131.9	437
65	15G1.5mm²	19.5	141.3	466
66	16G1.5mm²	19.5	150.7	482
67	18G1.5mm²	20.8	169.5	544
68	20G1.5mm²	21.3	188.4	592
69	24G1.5mm²	23.4	207.2	706
70	25G1.5mm²	24.2	226.0	752
71	30G1.5mm²	26.0	235.5	883
72	36G1.5mm²	29.5	263.7	1077
73	2X2.5mm²	9.7	282.5	139
74	3G2.5mm²	10.2	301.4	169
75	4G2.5mm²	11.3	320.2	212
76	5G2.5mm²	12.2	339.0	254
77	6G2.5mm²	13.2	357.9	298
78	7G2.5mm²	14.2	376.7	342
79	8G2.5mm²	15.7	395.6	405
80	10G2.5mm²	18.8	433.2	475
81	12G2.5mm²	21.7	470.9	580
82	14G2.5mm²	22.9	28.3	672
83	15G2.5mm²	23.9	42.5	718
84	16G2.5mm²	23.9	56.7	745
85	18G2.5mm²	26.2	70.8	876
86	20G2.5mm²	26.6	85.0	939
87	24G2.5mm²	29.5	99.1	1145
88	25G2.5mm²	29.9	113.3	1170

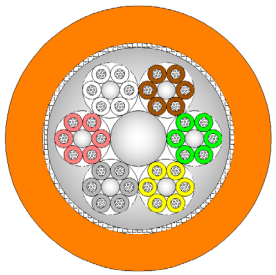
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX501-KCP-PUR

高端型 PUR 护套机器人专用屏蔽控制电缆

High-end PUR sheathed robot special shielded control cable



机器人专用电缆
ROBOT SPECIAL CABLE

- FLEX501-P-PUR
- FLEX501-CP-PUR
- FLEX501-CP-TP-PUR
- FLEX501-KP-PUR
- FLEX501-KCP-PUR



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，特别适合在需要弯曲扭转运动的机械场所使用，可应用于工业机器人领域，在拖链中循环使用可达 2000 万次以上。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合，适合在需要出色的机械性能和耐化学性能的工业环境中使用。

产品特性

柔性，易弯曲；
表面耐磨，耐切割；
阻燃性符合 IEC60332-1-2;
耐油性符合 EN60811-404;
电磁兼容 EMC 场合；
2000 万次以上拖链循环使用寿命。

技术认证

CE 认证;
符合 IEC60227-5 和 EN50525-2-51;
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝（带抗拉芯），
符合 IEC60228 标准，第 6 类;
TPE 芯线绝缘;
小于 8 芯：成束绞合;
大于 8 芯：围绕加强芯分组绞合;
TPE 内护套;
镀锡编织屏蔽，大约 85% 覆盖率;
PUR 外护套;
外护套灰色（RAL7001）。

技术参数

芯线标识:
根据 DIN VDE0293 黑色芯线白色数字编号;
导体电阻：符合 IEC60228 6 类标准;
额定电压：300/500V;
绝缘电阻：> 20MΩ x km;
测试电压：4000V;
接地保护芯线：G = 含黄绿接地保护芯线;
X = 不含黄绿接地保护芯线。
温度范围:
固定安装：-40 至+ 80℃;
移动安装：-40 至+ 80℃。
最小弯曲半径:
固定安装：4X 电缆直径;
移动安装：10X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, especially in mechanical places where bending and twisting movements are required. They can be used in the field of industrial robots, and can be recycled in drag chains for more than 20 million times. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference, and is suitable for use in industrial environments requiring excellent mechanical properties and chemical resistance.

Product characteristics

Flexible, easy to bend;
Wear resistant surface, cutting resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
More than 20 million cycles of towline service life.

Technical certification

CE certification;
Conform to IEC60227-5 and EN50525-2-51;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire (with tensile core), conform to IEC60228 standard, Category 6;
TPE core wire insulation;
Less than 8 cores: stranded in bundles; More than 8 cores: group stranding around reinforced core;
TPE inner sheath;
Tin plated braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:grey (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.2	21.5	56
2	3G0.5mm²	6.4	26.9	64
3	4G0.5mm²	6.9	32.9	74
4	5G0.5mm²	7.7	39.6	92
5	6G0.5mm²	8.2	45.8	105
6	7G0.5mm²	8.7	52.0	117
7	8G0.5mm²	9.2	58.3	131
8	10G0.5mm²	10.7	72.3	155
9	12G0.5mm²	11.9	85.3	181
10	14G0.5mm²	12.3	96.0	198
11	15G0.5mm²	13.2	102.8	223
12	16G0.5mm²	13.2	107.5	228
13	18G0.5mm²	14.0	119.5	254
14	20G0.5mm²	14.2	129.6	269
15	24G0.5mm²	15.4	151.9	321
16	25G0.5mm²	15.7	157.1	330
17	30G0.5mm²	17.2	184.8	403
18	36G0.5mm²	19.0	218.5	470
19	2X0.75mm²	6.6	27.3	66
20	3G0.75mm²	6.9	35.1	76
21	4G0.75mm²	7.7	44.1	97
22	5G0.75mm²	8.3	52.7	112
23	6G0.75mm²	8.8	61.4	128
24	7G0.75mm²	9.3	70.0	144
25	8G0.75mm²	9.9	78.8	168
26	10G0.75mm²	11.6	97.9	191
27	12G0.75mm²	13.4	116.6	236
28	14G0.75mm²	13.8	132.0	260
29	15G0.75mm²	14.4	140.7	276
30	16G0.75mm²	14.4	147.7	284
31	18G0.75mm²	15.3	164.6	318
32	20G0.75mm²	15.5	179.4	337
33	24G0.75mm²	17.2	226.5	436
34	25G0.75mm²	17.4	234.2	439
35	30G0.75mm²	18.8	274.4	524
36	36G0.75mm²	21.4	325.3	641
37	2X1.0mm²	7.6	34.4	87
38	3G1.0mm²	7.9	44.7	100
39	4G1.0mm²	8.5	55.8	118
40	5G1.0mm²	9.1	67.0	138
41	6G1.0mm²	9.7	78.3	159
42	7G1.0mm²	10.3	97.8	188
43	8G1.0mm²	11.4	110.7	229
44	10G1.0mm²	13.1	125.6	243

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	14.7	149.1	285
46	14G1.0mm²	15.6	170.1	330
47	15G1.0mm²	16.5	182.0	360
48	16G1.0mm²	16.5	191.4	371
49	18G1.0mm²	17.8	228.5	437
50	20G1.0mm²	18.4	248.4	479
51	24G1.0mm²	19.9	291.9	573
52	25G1.0mm²	20.1	302.1	578
53	30G1.0mm²	22.0	355.8	701
54	36G1.0mm²	24.3	421.5	820
55	2X1.5mm²	8.8	46.9	117
56	3G1.5mm²	9.2	69.1	144
57	4G1.5mm²	9.9	85.9	171
58	5G1.5mm²	10.8	103.0	205
59	6G1.5mm²	12.0	121.1	246
60	7G1.5mm²	12.8	138.3	287
61	8G1.5mm²	14.0	155.9	338
62	10G1.5mm²	15.8	180.3	347
63	12G1.5mm²	18.1	230.3	440
64	14G1.5mm²	19.2	261.2	503
65	15G1.5mm²	20.0	278.4	535
66	16G1.5mm²	20.0	292.6	552
67	18G1.5mm²	21.3	326.3	618
68	20G1.5mm²	21.8	356.7	669
69	24G1.5mm²	23.9	420.6	817
70	25G1.5mm²	24.7	436.6	856
71	30G1.5mm²	26.5	514.6	1011
72	36G1.5mm²	30.0	611.7	1226
73	2X2.5mm²	10.2	77.7	171
74	3G2.5mm²	10.7	103.3	204
75	4G2.5mm²	11.8	131.0	250
76	5G2.5mm²	12.7	158.4	297
77	6G2.5mm²	13.7	185.9	344
78	7G2.5mm²	14.7	213.4	406
79	8G2.5mm²	16.2	242.1	480
80	10G2.5mm²	19.3	300.8	543
81	12G2.5mm²	22.2	357.7	658
82	14G2.5mm²	23.4	408.9	754
83	15G2.5mm²	24.4	436.4	804
84	16G2.5mm²	24.4	460.0	831
85	18G2.5mm²	26.7	514.8	970
86	20G2.5mm²	27.1	563.6	1060
87	24G2.5mm²	30.0	667.9	1296
88	25G2.5mm²	30.4	692.8	1305

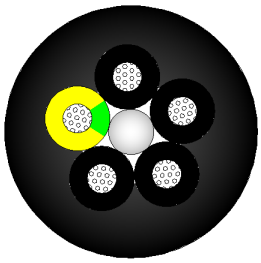
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX101-KP-TPE

TPE 护套耐寒专用拖链控制电缆

TPE sheathed cold resistant special drag chain control cable



耐寒专用
拖链电缆
COLD RESISTANT SPECIAL DRAG CHAIN CABLE

FLEX101-KP-TPE

FLEX101-KCP-TPE



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，特别适合在需要耐低温的场合使用，在拖链中循环使用可达 1000 万次以上。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, especially in the occasions where low temperature resistance is required. They can be recycled for more than 10 million times in the drag chain.

产品特性

无卤；
柔性，易弯曲；
低温保持柔软，-40℃；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
1000 万次以上拖链循环使用寿命。

Product characteristics

Halogen-free;
Flexible, easy to bend;
Keep soft at low temperature, - 40 ℃ ;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
More than 10 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0250/0285；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0250/0285;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线以超短节距绞合；
无纺布绕包；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6
TPE core wire insulation
The core wire is twisted with ultra short pitch
Non woven fabric wrapping
TPE outer sheath
Outer sheath color:black or gray (RAL7001)

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：＞ 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：-40 至+ 110℃；
移动安装：-40 至+ 105℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293
Conductor resistance: conform to IEC60228 Class 6 standard
Rated voltage: 300/500V
Insulation resistance: > 20M Ω x km
Test voltage: 4000V
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+110 ℃ ;
Moved installation: - 40 to+105 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 7.5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2x0.5mm²	5.7	9.5	37
2	3G0.5mm²	6.0	14.2	45
3	4G0.5mm²	6.4	19.0	55
4	5G0.5mm²	7.0	23.7	65
5	6G0.5mm²	7.7	28.5	77
6	7G0.5mm²	8.2	33.2	88
7	8G0.5mm²	8.9	38.0	107
8	10G0.5mm²	9.5	47.5	115
9	12G0.5mm²	9.8	57.0	130
10	14G0.5mm²	10.3	66.4	147
11	15G0.5mm²	11.0	71.2	162
12	16G0.5mm²	11.0	75.9	169
13	18G0.5mm²	11.7	85.4	192
14	20G0.5mm²	12.4	94.9	216
15	22G0.5mm²	13.0	104.4	242
16	24G0.5mm²	13.7	113.9	264
17	25G0.5mm²	13.7	118.7	259
18	28G0.5mm²	14.2	132.9	287
19	30G0.5mm²	14.7	142.4	305
20	32G0.5mm²	15.4	151.9	330
21	34G0.5mm²	15.9	161.4	349
22	36G0.5mm²	15.9	170.9	364
23	38G0.5mm²	16.7	180.4	390
24	40G0.5mm²	17.2	189.8	417
25	42G0.5mm²	18.1	199.3	447
26	46G0.5mm²	18.4	218.3	465
27	50G0.5mm²	19.4	237.3	503
28	2x0.75mm²	6.1	14.1	44
29	3G0.75mm²	6.4	21.1	55
30	4G0.75mm²	6.9	28.2	68
31	5G0.75mm²	7.7	35.2	84
32	6G0.75mm²	8.3	42.3	97
33	7G0.75mm²	8.9	49.3	116
34	8G0.75mm²	9.6	56.4	135
35	10G0.75mm²	10.5	70.4	151
36	12G0.75mm²	10.8	84.5	171
37	14G0.75mm²	11.3	98.6	194
38	15G0.75mm²	12.1	105.7	213
39	16G0.75mm²	12.1	112.7	223
40	18G0.75mm²	12.9	126.8	253
41	20G0.75mm²	13.5	140.9	283
42	22G0.75mm²	14.3	155.0	318
43	24G0.75mm²	15.3	169.1	352
44	25G0.75mm²	15.3	176.1	348
45	28G0.75mm²	15.6	197.3	378
46	30G0.75mm²	16.1	211.3	402
47	32G0.75mm²	16.9	225.4	434
48	34G0.75mm²	17.7	239.5	467
49	36G0.75mm²	17.7	253.6	487
50	38G0.75mm²	18.3	267.7	518
51	40G0.75mm²	18.9	281.8	548
52	42G0.75mm²	20.1	295.9	593
53	46G0.75mm²	20.4	324.1	620
54	50G0.75mm²	21.5	352.2	671
55	2x1.0mm²	6.7	18.8	54
56	3G1.0mm²	7.2	28.3	71
57	4G1.0mm²	7.9	37.7	88
58	5G1.0mm²	8.5	47.1	106
59	6G1.0mm²	9.2	56.5	122
60	7G1.0mm²	10.1	65.9	151
61	8G1.0mm²	10.9	75.3	176
62	10G1.0mm²	11.9	94.2	196
63	12G1.0mm²	12.4	113.0	228
64	14G1.0mm²	13.1	131.9	258
65	15G1.0mm²	13.7	141.3	277
66	16G1.0mm²	13.7	150.7	291
67	18G1.0mm²	14.6	169.5	329
68	20G1.0mm²	15.5	188.4	375

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
69	22G1.0mm²	16.2	207.2	413
70	24G1.0mm²	17.3	226.0	457
71	25G1.0mm²	17.3	235.5	451
72	28G1.0mm²	17.8	263.7	499
73	30G1.0mm²	18.5	282.5	531
74	32G1.0mm²	19.1	301.4	564
75	34G1.0mm²	20.2	320.2	613
76	36G1.0mm²	20.2	339.0	640
77	38G1.0mm²	20.9	357.9	682
78	40G1.0mm²	21.6	376.7	721
79	42G1.0mm²	22.9	395.6	778
80	46G1.0mm²	23.2	433.2	813
81	50G1.0mm²	24.9	470.9	900
82	2x1.5mm²	7.9	28.3	76
83	3G1.5mm²	8.3	42.5	97
84	4G1.5mm²	9.1	56.7	122
85	5G1.5mm²	10.1	70.8	151
86	6G1.5mm²	11.1	85.0	179
87	7G1.5mm²	11.9	99.1	217
88	8G1.5mm²	13.1	113.3	257
89	10G1.5mm²	14.3	141.6	286
90	12G1.5mm²	14.7	170.0	326
91	14G1.5mm²	15.7	198.3	378
92	15G1.5mm²	16.7	212.5	412
93	16G1.5mm²	16.7	226.6	432
94	18G1.5mm²	17.5	255.0	480
95	20G1.5mm²	18.5	283.3	546
96	22G1.5mm²	19.4	311.6	603
97	24G1.5mm²	20.9	339.9	675
98	25G1.5mm²	20.9	354.1	665
99	28G1.5mm²	21.3	396.6	726
100	30G1.5mm²	22.5	424.9	791
101	32G1.5mm²	23.3	453.3	840
102	34G1.5mm²	24.5	481.6	909
103	36G1.5mm²	24.5	509.9	950
104	38G1.5mm²	25.4	538.2	1012
105	40G1.5mm²	26.4	566.6	1080
106	42G1.5mm²	27.7	594.9	1150
107	2x2.5mm²	9.3	47.2	109
108	3G2.5mm²	9.8	70.7	144
109	4G2.5mm²	11.0	94.3	187
110	5G2.5mm²	12.0	117.9	227
111	6G2.5mm²	13.6	141.5	279
112	7G2.5mm²	14.7	165.1	339
113	8G2.5mm²	16.1	188.7	401
114	10G2.5mm²	17.7	235.8	453
115	12G2.5mm²	18.2	283.0	517
116	14G2.5mm²	19.4	330.1	598
117	15G2.5mm²	20.6	353.7	649
118	16G2.5mm²	20.6	377.3	682
119	18G2.5mm²	21.6	424.5	759
120	20G2.5mm²	23.1	471.6	872
121	22G2.5mm²	24.6	518.8	982
122	24G2.5mm²	26.1	566.0	1082
123	25G2.5mm²	26.1	589.6	1068
124	28G2.5mm²	26.6	660.3	1167
125	30G2.5mm²	27.8	707.5	1254
126	32G2.5mm²	28.8	754.6	1333
127	34G2.5mm²	30.2	801.8	1436
128	36G2.5mm²	30.2	849.0	1502
129	2X4.0mm²	11.4	75.4	177
130	3G4.0mm²	12.0	113.1	232
131	4G4.0mm²	13.4	150.8	301
132	5G4.0mm²	14.8	188.5	389
133	2X6.0mm²	13.1	113.1	245
134	3G6.0mm²	13.9	169.7	324
135	4G6.0mm²	15.2	226.3	413
136	5G6.0mm²	16.8	282.8	534

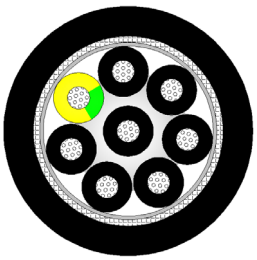
特殊环境拖链电缆
DRAG CHAIN CABLE FOR SPECIAL ENVIRONMENT

05

FLEX101-KCP-TPE

TPE 护套耐寒专用屏蔽拖链控制电缆

TPE sheathed cold resistant special shielded drag chain control cable



耐寒专用
拖链电缆
COLD RESISTANT SPECIAL DRAG CHAIN CABLE

FLEX101-KP-TPE

FLEX101-KCP-TPE



应用范围

这些控制电缆主要应用于工业自动化设备的电气控制系统、输送和传输系统，特别适合在需要耐低温的场合使用，在拖链中循环使用可达 1000 万次以上。整体镀锡铜丝屏蔽层特别适合需要抗电磁干扰的应用场合。

产品特性

无卤；
柔性，易弯曲；
低温保持柔软，-40℃；
阻燃性符合 IEC60332-1-2;
耐油性符合 EN60811-404;
电磁兼容 EMC 场合；
1000 万次以上拖链循环使用寿命。

技术认证

CE 认证;
符合 VDE0250/0285;
RoHS，REACH。

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
芯线以超短节距绞合；
TPE 内护套；
镀锡编织屏蔽，大约 85% 覆盖率；
TPE 外护套；
外护套黑色或灰色（RAL7001）。

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：300/500V；
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：-40 至+ 110℃；
移动安装：-40 至+ 105℃。
最小弯曲半径：
固定安装：4X 电缆直径；
移动安装：10X 电缆直径。

Scope of application

These control cables are mainly used in the electrical control system, transmission and transmission system of industrial automation equipment, especially in the occasions where low temperature resistance is required. They can be recycled for more than 10 million times in the drag chain. The overall tinned copper wire shielding layer is particularly suitable for applications requiring anti electromagnetic interference.

Product characteristics

Halogen free;
Flexible, easy to bend;
Keep soft at low temperature, - 40 ℃;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN60811-404;
EMC occasions;
More than 10 million cycles of towline service life。

Technical certification

CE certification ;
conform to VDE0250/0285;
RoHS，REACH.

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
TPE core wire insulation;
The core wire is twisted with ultra short pitch;
TPE inner sheath;
Tin plated braided shield, about 85% coverage;
TPE outer sheath;
Outer sheath color:black or gray (RAL7001).

Technical parameters

Core wire identification: white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage: 300/500V;
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+110 ℃ ;
Moved installation: - 40 to+105 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.5mm²	6.8	22.7	66
2	3G0.5mm²	7.1	28.2	74
3	4G0.5mm²	7.7	35.0	90
4	5G0.5mm²	8.3	41.2	104
5	6G0.5mm²	8.8	47.6	118
6	7G0.5mm²	9.5	53.9	137
7	8G0.5mm²	10.1	60.5	153
8	10G0.5mm²	11.0	72.5	194
9	12G0.5mm²	11.7	83.4	242
10	14G0.5mm²	12.2	94.3	259
11	15G0.5mm²	12.8	99.8	287
12	16G0.5mm²	13.1	105.3	289
13	18G0.5mm²	13.6	116.4	323
14	20G0.5mm²	14.1	127.5	334
15	24G0.5mm²	15.8	150.8	412
16	25G0.5mm²	15.8	155.6	412
17	30G0.5mm²	16.7	181.5	483
18	36G0.5mm²	18.4	213.7	593
19	2X0.75mm²	7.2	28.5	77
20	3G0.75mm²	7.7	37.0	92
21	4G0.75mm²	8.2	45.6	107
22	5G0.75mm²	8.8	54.3	124
23	6G0.75mm²	9.4	63.2	142
24	7G0.75mm²	10.0	72.0	161
25	8G0.75mm²	10.9	81.0	194
26	10G0.75mm²	12.0	97.9	240
27	12G0.75mm²	12.9	113.5	305
28	14G0.75mm²	13.4	129.1	328
29	15G0.75mm²	13.7	137.0	349
30	16G0.75mm²	14.0	144.9	353
31	18G0.75mm²	14.8	160.8	402
32	20G0.75mm²	15.6	177.3	426
33	24G0.75mm²	17.2	223.4	530
34	25G0.75mm²	17.2	230.4	531
35	30G0.75mm²	18.6	269.7	643
36	36G0.75mm²	20.2	316.6	770
37	2X1.0mm²	8.0	35.6	96
38	3G1.0mm²	8.5	46.0	114
39	4G1.0mm²	9.1	57.2	133
40	5G1.0mm²	9.8	68.6	156
41	6G1.0mm²	10.5	80.1	179
42	7G1.0mm²	11.2	100.4	212
43	8G1.0mm²	12.1	112.8	255
44	10G1.0mm²	13.4	125.2	302

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
45	12G1.0mm²	14.2	145.7	375
46	14G1.0mm²	15.0	166.3	412
47	15G1.0mm²	15.3	176.6	439
48	16G1.0mm²	15.6	187.1	444
49	18G1.0mm²	16.7	221.9	533
50	20G1.0mm²	17.6	243.5	561
51	24G1.0mm²	19.4	287.5	675
52	25G1.0mm²	19.6	297.7	687
53	30G1.0mm²	21.0	348.5	817
54	36G1.0mm²	22.5	411.2	971
55	2X1.5mm²	9.2	48.0	129
56	3G1.5mm²	9.6	70.8	156
57	4G1.5mm²	10.3	87.8	185
58	5G1.5mm²	11.4	105.2	222
59	6G1.5mm²	12.2	122.7	256
60	7G1.5mm²	13.2	140.9	308
61	8G1.5mm²	14.4	158.8	359
62	10G1.5mm²	16.0	179.2	433
63	12G1.5mm²	16.8	222.8	551
64	14G1.5mm²	17.8	254.1	603
65	15G1.5mm²	18.3	269.7	652
66	16G1.5mm²	18.8	285.5	660
67	18G1.5mm²	20.0	317.2	760
68	20G1.5mm²	21.1	349.7	802
69	24G1.5mm²	23.6	414.8	991
70	25G1.5mm²	23.6	429.0	992
71	30G1.5mm²	25.2	504.4	1178
72	36G1.5mm²	27.8	596.7	1451
73	2X2.5mm²	10.6	79.3	186
74	3G2.5mm²	11.1	105.0	219
75	4G2.5mm²	12.0	132.1	262
76	5G2.5mm²	13.3	159.7	317
77	6G2.5mm²	14.9	188.3	388
78	7G2.5mm²	16.0	216.0	458
79	8G2.5mm²	17.3	245.0	536
80	10G2.5mm²	19.4	298.0	670
81	12G2.5mm²	20.7	348.1	844
82	14G2.5mm²	21.7	399.0	913
83	15G2.5mm²	22.7	425.2	1011
84	16G2.5mm²	23.3	450.8	1024
85	18G2.5mm²	24.7	502.1	1175
86	20G2.5mm²	25.8	553.5	1251
87	24G2.5mm²	28.6	658.3	1494
88	25G2.5mm²	28.6	681.9	1497



WIPOUS®
维普斯

伺服电缆
SERVO CABLES

应用领域APPLICATION FIELD:

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。

Used for connection between servo motors and controllers or frequency converters of industrial automation mechanical equipment.

特点CHARACTERISTIC:

柔性，易弯曲
Flexible

阻燃性符合
IEC60332-1-2
Flame retardant in accordance with IEC60332-1-2

耐油性符合
EN60811-404
Oil resistance according to EN60811-404

PUR护套
抗撕裂及切割
PUR sheath, resistant to tearing and cutting

良好的剥离性
Good peel resistance



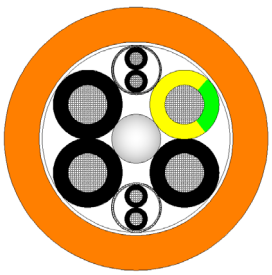
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HRJMCE

CE 认证 PVC 护套柔性伺服电机专用电缆

CE certified PVC sheathed flexible servo motor special cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

- SERVO-HRJMCE
- SERVO-HRJMCE-S
- SERVO-PUR-HPJMCE
- SERVO-PUR-HPJMCE-S
- FLEX001-SERVO-HRJMCE
- FLEX001-SERVO-HRJMCE-S
- FLEX001-SERVO-PUR-HPJMCE
- FLEX001-SERVO-PUR-HPJMCE-S
- AWM 2570 SERVO
- AWM 2570-S SERVO
- AWM 2586 SERVO
- AWM 2586-S SERVO
- AWM 20234 SERVO
- AWM 20234-S SERVO
- AWM 20940 SERVO
- AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. With certain flexibility, it is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
符合 IEC60502 PVC/PVC；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0245/0250/0281;
Conform to IEC60502 PVC/PVC;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
PVC Outer sheath color;
Outer sheath color: orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：＞ 20MΩ x km；
测试电压：
动力线：芯 / 芯 4000V；
控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage:
power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: > 20M Ω x km;
Test voltage:
power line: core/core 4000V.
Control line: core/core 2000V; core/screen 1500V.
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	10.2	55	151
2	4G2.5	11.6	92	208
3	4G4	14.2	148	320
4	4G6	16.9	220	448
5	4G10	19.5	367	650
6	4G16	22.7	587	944
7	4G25	28.1	918	1457
8	4G35	32.3	1283	1964
9	4G50	38.0	1832	2756
10	4G1.0+(2X0.5)	12.1	55	185
11	4G1.0+(2X0.75)	12.3	61	194
12	4G1.5+(2X0.5)	12.7	73	214
13	4G1.5+(2X0.75)	13.0	80	224
14	4G1.5+(2X1.0)	13.2	85	234
15	4G2.5+(2X0.5)	13.7	110	269
16	4G2.5+(2X0.75)	14.0	116	279
17	4G2.5+(2X1.0)	14.2	122	289
18	4G2.5+(2X1.5)	14.7	136	310
19	4G4+(2X0.75)	16.0	172	381
20	4G4+(2X1.0)	16.3	177	391
21	4G4+(2X1.5)	16.7	191	413
22	4G6+(2X0.75)	17.8	244	476

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	18.1	249	487
24	4G6+(2X1.5)	18.5	263	508
25	4G10+(2X1.0)	20.4	397	675
26	4G10+(2X1.5)	20.9	411	697
27	4G16+(2X1.0)	23.0	616	940
28	4G16+(2X1.5)	23.4	630	962
29	4G25+(2X1.5)	27.3	962	1393
30	4G35+(2X1.5)	30.3	1327	1818
31	4G50+(2X1.5)	34.7	1876	2495
32	4G1.5+2X(2X0.75)	14.5	104	271
33	4G1.5+2X(2X1.0)	15.0	115	291
34	4G2.5+2X(2X0.75)	15.4	141	326
35	4G2.5+2X(2X1.0)	15.9	152	345
36	4G2.5+2X(2X1.5)	16.7	180	388
37	4G4+2X(2X1.0)	17.8	207	447
38	4G4+2X(2X1.5)	18.6	235	490
39	4G6+2X(2X1.0)	19.5	279	541
40	4G6+2X(2X1.5)	20.3	307	585
41	4G10+2X(2X1.0)	21.7	427	728
42	4G10+2X(2X1.5)	22.5	455	772
43	4G16+2X(2X1.0)	24.0	646	992
44	4G16+2X(2X1.5)	24.8	674	1114

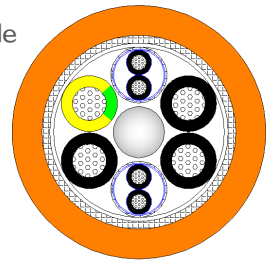
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HRJMCE-S

CE 认证 PVC 护套柔性伺服电机专用屏蔽电缆

CE Certified PVC Sheathed Flexible Servo Motor Special Shielded Cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，整体镀锡铜丝屏蔽层提高抗电磁干扰能力，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. It has a certain degree of flexibility. The overall tinned copper wire shielding layer improves the anti electromagnetic interference ability. It is suitable for fixed installation and occasional bending occasions of free, discontinuous reciprocating movement without tensile load.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
优异的抗电磁干扰能力；
良好的剥离性；
偶尔移动；

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
Excellent anti electromagnetic interference capability;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
符合 IEC60502 PVC/PVC；
RoHS，REACH；

Technical certification

CE certification;
conform toVDE0245/0250/0281;
Conform to IEC60502 PVC/PVC;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
铝箔加镀锡铜丝编织总屏蔽，覆盖率约 80%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
Aluminum foil and tinned copper wire braid the overall shielding, with a coverage rate of about 80%;
PVC Outer sheath;
Outer sheath color: orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：> 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V；芯 / 屏 2000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform toIEC60228 Class 5 standard;
Rated voltage:
　　Power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: > 20M Ω x km;
Test voltage:
　　Power line: core/core 4000V; Core/screen 2000V.
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	11.1	82	191
2	4G2.5	12.3	122	247
3	4G4	14.7	185	362
4	4G6	17.4	265	498
5	4G10	20.2	438	727
6	4G16	23.4	670	1034
7	4G25	28.8	1021	1569
8	4G35	33.0	1401	2092
9	4G50	38.7	1972	2907
10	4G1.0+(2X0.5)	12.7	79	209
11	4G1.0+(2X0.75)	12.9	86	219
12	4G1.5+(2X0.5)	13.3	99	240
13	4G1.5+(2X0.75)	13.6	106	250
14	4G1.5+(2X1.0)	13.8	112	261
15	4G2.5+(2X0.5)	14.3	139	298
16	4G2.5+(2X0.75)	14.6	146	308
17	4G2.5+(2X1.0)	14.8	152	319
18	4G2.5+(2X1.5)	15.3	167	341
19	4G4+(2X0.75)	16.6	207	416
20	4G4+(2X1.0)	16.9	213	426
21	4G4+(2X1.5)	17.3	228	449
22	4G6+(2X0.75)	18.4	283	516

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	18.7	290	527
24	4G6+(2X1.5)	19.1	305	550
25	4G10+(2X1.0)	21.0	461	739
26	4G10+(2X1.5)	21.5	474	760
27	4G16+(2X1.0)	23.6	687	1011
28	4G16+(2X1.5)	24.0	703	1035
29	4G25+(2X1.5)	27.9	1048	1479
30	4G35+(2X1.5)	30.9	1424	1915
31	4G50+(2X1.5)	35.3	1989	2608
32	4G1.5+2X(2X0.75)	15.1	134	302
33	4G1.5+2X(2X1.0)	15.6	147	323
34	4G2.5+2X(2X0.75)	16.0	174	359
35	4G2.5+2X(2X1.0)	16.5	186	380
36	4G2.5+2X(2X1.5)	17.3	216	425
37	4G4+2X(2X1.0)	18.4	247	486
38	4G4+2X(2X1.5)	19.2	277	532
39	4G6+2X(2X1.0)	20.1	338	600
40	4G6+2X(2X1.5)	20.9	369	647
41	4G10+2X(2X1.0)	22.3	493	795
42	4G10+2X(2X1.5)	23.1	524	841
43	4G16+2X(2X1.0)	24.6	721	1067
44	4G16+2X(2X1.5)	25.4	752	1114

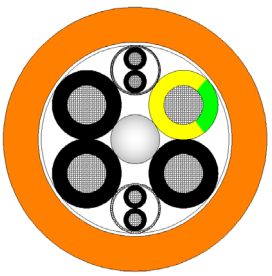
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-PUR-HPJMCE

CE 认证 PUR 护套柔性伺服电机专用电缆

CE certified PUR sheathed flexible servo motor special cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. With certain flexibility, it is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
良好的剥离性。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance shall conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Good peeling property.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0245/0250/0281;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
PUR outer sheath;
Outer sheath color:orange (RAL2003).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：＞ 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform toIEC60228 Class 5 standard;
Rated voltage:
　　power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: ＞ 20M Ω x km;
Test voltage:
　　power line: core/core 4000V.
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire ;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diamete;
　　occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	10.2	55	144
2	4G2.5	11.6	92	199
3	4G4	14.2	148	307
4	4G6	16.9	220	432
5	4G10	19.5	367	628
6	4G16	22.7	587	916
7	4G25	28.1	918	1415
8	4G35	32.3	1283	1909
9	4G50	38.0	1832	2681
10	4G1.0+(2X0.5)	12.1	55	176
11	4G1.0+(2X0.75)	12.3	61	184
12	4G1.5+(2X0.5)	12.7	73	204
13	4G1.5+(2X0.75)	13.0	80	213
14	4G1.5+(2X1.0)	13.2	85	222
15	4G2.5+(2X0.5)	13.7	110	256
16	4G2.5+(2X0.75)	14.0	116	265
17	4G2.5+(2X1.0)	14.2	122	274
18	4G2.5+(2X1.5)	14.7	136	295
19	4G4+(2X0.75)	16.0	172	362
20	4G4+(2X1.0)	16.3	177	371
21	4G4+(2X1.5)	16.7	191	392
22	4G6+(2X0.75)	17.8	244	453

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	18.1	249	462
24	4G6+(2X1.5)	18.5	263	483
25	4G10+(2X1.0)	20.4	397	641
26	4G10+(2X1.5)	20.9	411	662
27	4G16+(2X1.0)	23.0	616	893
28	4G16+(2X1.5)	23.4	630	914
29	4G25+(2X1.5)	27.3	962	1323
30	4G35+(2X1.5)	30.3	1327	1727
31	4G50+(2X1.5)	34.7	1876	2371
32	4G1.5+2X(2X0.75)	14.5	104	257
33	4G1.5+2X(2X1.0)	15.0	115	276
34	4G2.5+2X(2X0.75)	15.4	141	309
35	4G2.5+2X(2X1.0)	15.9	152	328
36	4G2.5+2X(2X1.5)	16.7	180	369
37	4G4+2X(2X1.0)	17.8	207	424
38	4G4+2X(2X1.5)	18.6	235	465
39	4G6+2X(2X1.0)	19.5	279	514
40	4G6+2X(2X1.5)	20.3	307	556
41	4G10+2X(2X1.0)	21.7	427	692
42	4G10+2X(2X1.5)	22.5	455	733
43	4G16+2X(2X1.0)	24.0	646	943
44	4G16+2X(2X1.5)	24.8	674	1058

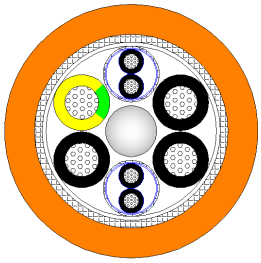
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-PUR-HPJMCE-S

CE 认证 PUR 护套柔性伺服电机专用屏蔽电缆

CE Certified PUR Sheathed Flexible Servo Motor Special Shielded Cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

- SERVO-HRJMCE
- SERVO-HRJMCE-S
- SERVO-PUR-HPJMCE
- SERVO-PUR-HPJMCE-S
- FLEX001-SERVO-HRJMCE
- FLEX001-SERVO-HRJMCE-S
- FLEX001-SERVO-PUR-HPJMCE
- FLEX001-SERVO-PUR-HPJMCE-S
- AWM 2570 SERVO
- AWM 2570-S SERVO
- AWM 2586 SERVO
- AWM 2586-S SERVO
- AWM 20234 SERVO
- AWM 20234-S SERVO
- AWM 20940 SERVO
- AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，整体镀锡铜丝屏蔽层提高抗电磁干扰能力，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. It has a certain degree of flexibility. The overall tinned copper wire shielding layer improves the anti electromagnetic interference ability. It is suitable for fixed installation and occasional bending occasions of free, discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
优异的抗电磁干扰能力；
PUR 护套，抗撕裂及切割；
良好的剥离性。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance shall conform to EN60811-404;
Excellent anti electromagnetic interference capability;
PUR sheath, tear and cutting resistant;
Good peeling property.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0245/0250/0281;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
铝箔加镀锡铜丝编织总屏蔽，覆盖率约 80%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
PVC core wire insulation;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
Aluminum foil and tinned copper wire braid the overall shielding, with a coverage rate of about 80%;
PUR outer sheath;
Outer sheath color:orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：> 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V；芯 / 屏 2000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 80℃。
最小弯曲半径：
　　固定安装：6X 电缆直径；
　　偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage:
　　power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: > 20M Ω x km;
Test voltage:
　　power line: core/core 4000V; Core/screen 2000V.
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 6X cable diameter;
　　occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	11.1	82	182
2	4G2.5	12.3	122	237
3	4G4	14.7	185	348
4	4G6	17.4	265	481
5	4G10	20.2	438	704
6	4G16	23.4	670	1005
7	4G25	28.8	1021	1526
8	4G35	33.0	1401	2035
9	4G50	38.7	1972	2830
10	4G1.0+(2X0.5)	12.7	79	199
11	4G1.0+(2X0.75)	12.9	86	209
12	4G1.5+(2X0.5)	13.3	99	229
13	4G1.5+(2X0.75)	13.6	106	239
14	4G1.5+(2X1.0)	13.8	112	250
15	4G2.5+(2X0.5)	14.3	139	286
16	4G2.5+(2X0.75)	14.6	146	296
17	4G2.5+(2X1.0)	14.8	152	306
18	4G2.5+(2X1.5)	15.3	167	329
19	4G4+(2X0.75)	16.6	207	402
20	4G4+(2X1.0)	16.9	213	412
21	4G4+(2X1.5)	17.3	228	434
22	4G6+(2X0.75)	18.4	283	500

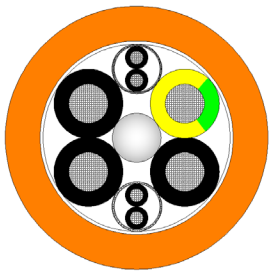
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	18.7	290	511
24	4G6+(2X1.5)	19.1	305	534
25	4G10+(2X1.0)	21.0	461	721
26	4G10+(2X1.5)	21.5	474	742
27	4G16+(2X1.0)	23.6	687	991
28	4G16+(2X1.5)	24.0	703	1014
29	4G25+(2X1.5)	27.9	1048	1454
30	4G35+(2X1.5)	30.9	1424	1887
31	4G50+(2X1.5)	35.3	1989	2577
32	4G1.5+2X(2X0.75)	15.1	134	289
33	4G1.5+2X(2X1.0)	15.6	147	310
34	4G2.5+2X(2X0.75)	16.0	174	345
35	4G2.5+2X(2X1.0)	16.5	186	366
36	4G2.5+2X(2X1.5)	17.3	216	410
37	4G4+2X(2X1.0)	18.4	247	471
38	4G4+2X(2X1.5)	19.2	277	515
39	4G6+2X(2X1.0)	20.1	338	583
40	4G6+2X(2X1.5)	20.9	369	629
41	4G10+2X(2X1.0)	22.3	493	775
42	4G10+2X(2X1.5)	23.1	524	821
43	4G16+2X(2X1.0)	24.6	721	1045
44	4G16+2X(2X1.5)	25.4	752	1091

伺服系统电缆
SERVO SYSTEM SPECIAL CABLE
06

FLEX001-SERVO-HRJMCE

CE 认证 PVC 护套（拖链专用）伺服电机电缆

CE certified PVC sheathed (for drag chain) servo motor cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

- SERVO-HRJMCE
- SERVO-HRJMCE-S
- SERVO-PUR-HPJMCE
- SERVO-PUR-HPJMCE-S
- FLEX001-SERVO-HRJMCE
- FLEX001-SERVO-HRJMCE-S
- FLEX001-SERVO-PUR-HPJMCE
- FLEX001-SERVO-PUR-HPJMCE-S
- AWM 2570 SERVO
- AWM 2570-S SERVO
- AWM 2586 SERVO
- AWM 2586-S SERVO
- AWM 20234 SERVO
- AWM 20234-S SERVO
- AWM 20940 SERVO
- AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接，用于动力拖链或移动机械部件，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。

Scope of application

It is used for the connection between the servo motor of industrial automation mechanical equipment and the controller or frequency converter. It is used for power drag chain or moved mechanical parts. It is more flexible and durable. It is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chain.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
500 万次拖链循环使用寿命；

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
5 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
符合 IEC60502 PVC/PVC；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0245/0250/0281;
Conform to IEC60502 PVC/PVC;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
控制线对用无纺布包裹后加镀锡铜丝编织，覆盖率约 90%；
无纺布包裹；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6;
PVC core wire insulation;
The control line pair is wrapped with non-woven fabric and then braided with tinned copper wire, with a coverage rate of about 90%;
Non woven fabric package;
PVC outer sheath;
Outer sheath color:orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：> 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60,228 Class 6 standard;
Rated voltage:
　　power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: > 20M Ω x km;
Test voltage:
　　power line: core/core 4000V.
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　occasional movement: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	10.6	58	159
2	4G2.5	12.0	97	219
3	4G4	14.6	155	336
4	4G6	17.3	231	471
5	4G10	19.9	386	682
6	4G16	23.1	616	992
7	4G25	28.5	964	1530
8	4G35	32.7	1348	2063
9	4G50	38.4	1924	2894
10	4G1.0+(2X0.5)	12.5	58	194
11	4G1.0+(2X0.75)	12.7	64	204
12	4G1.5+(2X0.5)	13.1	77	225
13	4G1.5+(2X0.75)	13.4	84	235
14	4G1.5+(2X1.0)	13.6	89	245
15	4G2.5+(2X0.5)	14.1	116	283
16	4G2.5+(2X0.75)	14.4	122	293
17	4G2.5+(2X1.0)	14.6	128	303
18	4G2.5+(2X1.5)	15.1	143	326
19	4G4+(2X0.75)	16.4	180	400
20	4G4+(2X1.0)	16.7	186	411
21	4G4+(2X1.5)	17.1	201	433
22	4G6+(2X0.75)	18.2	256	500

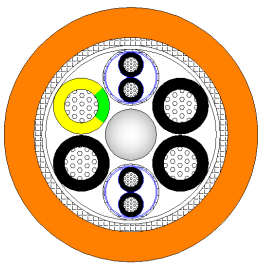
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	18.5	262	511
24	4G6+(2X1.5)	18.9	276	534
25	4G10+(2X1.0)	20.8	417	709
26	4G10+(2X1.5)	21.3	431	732
27	4G16+(2X1.0)	23.4	647	987
28	4G16+(2X1.5)	23.8	662	1011
29	4G25+(2X1.5)	27.7	1010	1462
30	4G35+(2X1.5)	30.7	1393	1909
31	4G50+(2X1.5)	35.1	1970	2620
32	4G1.5+2X(2X0.75)	14.9	109	285
33	4G1.5+2X(2X1.0)	15.4	120	305
34	4G2.5+2X(2X0.75)	15.8	148	342
35	4G2.5+2X(2X1.0)	16.3	159	362
36	4G2.5+2X(2X1.5)	17.1	188	407
37	4G4+2X(2X1.0)	18.2	217	469
38	4G4+2X(2X1.5)	19.0	247	514
39	4G6+2X(2X1.0)	19.9	293	568
40	4G6+2X(2X1.5)	20.7	322	614
41	4G10+2X(2X1.0)	22.1	448	765
42	4G10+2X(2X1.5)	22.9	477	811
43	4G16+2X(2X1.0)	24.4	678	1042
44	4G16+2X(2X1.5)	25.2	708	1169

伺服系统电缆
SERVO SYSTEM SPECIAL CABLE
06

FLEX001-SERVO-HRJMCE-S

CE 认证 PVC 护套（拖链专用）伺服电机屏蔽电缆

CE certified PVC sheathed (for drag chain) servo motor shield cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接，用于动力拖链或移动机械部件，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。整体镀锡铜丝屏蔽层提高抗电磁干扰能力。

Scope of application

It is used for the connection between the servo motor of industrial automation mechanical equipment and the controller or frequency converter. It is used for power drag chain or Moved mechanical parts. It is more flexible and durable. It is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chain. The overall tinned copper wire shielding layer improves the anti electromagnetic interference ability.

产品特性

柔性，易弯曲；
低粘性表面，耐磨；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
优异的抗电磁干扰能力；
500 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Low viscosity surface, wear-resistant;
Flame retardancy conform toIEC60332-1-2;
Oil resistance conform toEN50290-2-22 (TM54) standard;
Excellent anti electromagnetic interference capability;
5 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
符合 IEC60502 PVC/PVC；
RoHS，REACH。

Technical certification

CE certification;
conform toVDE0245/0250/0281;
Conform to IEC60502 PVC/PVC;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
PVC 芯线绝缘；
控制线对用无纺布包裹后加镀锡铜丝编织，覆盖率约 90%；
无纺布包裹；
镀锡铜丝编织总屏蔽，覆盖率约 85%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Ultra fine stranded bare copper wire, conform toIEC60228 standard, Category 6;
PVC core wire insulation;
The control line pair is wrapped with non-woven fabric and then braided with tinned copper wire, with a coverage rate of about 90%;
Non woven fabric package;
Tinned copper wire braided overall shielding, with coverage of about 85%;
PVC outer sheath;
Outer sheath color:orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：> 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V；芯 / 屏 2000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform toIEC60228 Class 6 standard;
Rated voltage:
　　power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: > 20MΩ x km;
Test voltage:
　　power line: core/core 4000V; Core/screen 2000V;
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	11.5	86	200
2	4G2.5	12.7	128	260
3	4G4	15.1	194	380
4	4G6	17.8	278	523
5	4G10	20.6	460	763
6	4G16	23.8	703	1086
7	4G25	29.2	1072	1647
8	4G35	33.4	1471	2197
9	4G50	39.1	2070	3052
10	4G1.0+(2X0.5)	13.1	83	220
11	4G1.0+(2X0.75)	13.3	90	230
12	4G1.5+(2X0.5)	13.7	104	252
13	4G1.5+(2X0.75)	14.0	111	263
14	4G1.5+(2X1.0)	14.2	118	274
15	4G2.5+(2X0.5)	14.7	146	313
16	4G2.5+(2X0.75)	15.0	153	324
17	4G2.5+(2X1.0)	15.2	159	334
18	4G2.5+(2X1.5)	15.7	175	358
19	4G4+(2X0.75)	17.0	217	437
20	4G4+(2X1.0)	17.3	223	448
21	4G4+(2X1.5)	17.7	239	471
22	4G6+(2X0.75)	18.8	297	542

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	19.1	304	553
24	4G6+(2X1.5)	19.5	320	577
25	4G10+(2X1.0)	21.4	484	776
26	4G10+(2X1.5)	21.9	498	798
27	4G16+(2X1.0)	24.0	722	1062
28	4G16+(2X1.5)	24.4	738	1087
29	4G25+(2X1.5)	28.3	1101	1553
30	4G35+(2X1.5)	31.3	1495	2011
31	4G50+(2X1.5)	35.7	2088	2739
32	4G1.5+2X(2X0.75)	15.5	141	317
33	4G1.5+2X(2X1.0)	16.0	154	339
34	4G2.5+2X(2X0.75)	16.4	182	376
35	4G2.5+2X(2X1.0)	16.9	195	399
36	4G2.5+2X(2X1.5)	17.7	227	446
37	4G4+2X(2X1.0)	18.8	259	511
38	4G4+2X(2X1.5)	19.6	291	558
39	4G6+2X(2X1.0)	20.5	355	630
40	4G6+2X(2X1.5)	21.3	387	679
41	4G10+2X(2X1.0)	22.7	517	834
42	4G10+2X(2X1.5)	23.5	550	883
43	4G16+2X(2X1.0)	25.0	757	1120
44	4G16+2X(2X1.5)	25.8	789	1169

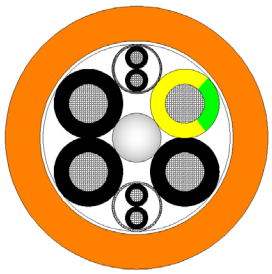
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

FLEX001-SERVO-PUR-HPJMCE

CE 认证 PUR 护套（拖链专用）伺服电机电缆

CE certified PUR sheath (for drag chain) servo motor cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接，用于动力拖链或移动机械部件，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

It is used for the connection between the servo motor of industrial automation mechanical equipment and the controller or frequency converter. It is used for power drag chain or Moved mechanical parts. It is more flexible and durable. It is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chain. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
1000 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform toIEC60332-1-2;
Oil resistance shall conform toEN60811-404;
PUR sheath, tear and cutting resistant;
10 million cycles of towline service life.

技术认证

CE 认证；
符合 VDE0245/0250/0281；
RoHS，REACH。

Technical certification

CE certification;
conform toVDE0245/0250/0281;
RoHS，REACH.

电缆结构

超细多股精绞裸铜丝，符合IEC60228标准，第6类
TPE 芯线绝缘；
控制线对用无纺布包裹后加镀锡铜丝编织，覆盖率约 90%；
无纺布包裹；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Ultra fine stranded bare copper wire,conform toIEC60228 standard, Category 6.
TPE core insulation.
The control line pair is wrapped with non-woven fabric and then braided with tinned copper wire, with a coverage rate of about 90%.
Non woven fabric package.
PUR outer sheath.
Outer sheath color:orange (RAL2003).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：＞ 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−40 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform toIEC60228 Class 6 standard;
Rated voltage:
　　power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: ＞ 20M Ω x km;
Test voltage:
　　power line: core/core 4000V.
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　occasional movement: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	10.6	58	151
2	4G2.5	12.0	97	209
3	4G4	14.6	155	323
4	4G6	17.3	231	453
5	4G10	19.9	386	660
6	4G16	23.1	616	962
7	4G25	28.5	964	1486
8	4G35	32.7	1348	2004
9	4G50	38.4	1924	2816
10	4G1.0+(2X0.5)	12.5	58	184
11	4G1.0+(2X0.75)	12.7	64	194
12	4G1.5+(2X0.5)	13.1	77	214
13	4G1.5+(2X0.75)	13.4	84	223
14	4G1.5+(2X1.0)	13.6	89	233
15	4G2.5+(2X0.5)	14.1	116	269
16	4G2.5+(2X0.75)	14.4	122	278
17	4G2.5+(2X1.0)	14.6	128	288
18	4G2.5+(2X1.5)	15.1	143	309
19	4G4+(2X0.75)	16.4	180	380
20	4G4+(2X1.0)	16.7	186	390
21	4G4+(2X1.5)	17.1	201	412
22	4G6+(2X0.75)	18.2	256	475

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	18.5	262	485
24	4G6+(2X1.5)	18.9	276	507
25	4G10+(2X1.0)	20.8	417	673
26	4G10+(2X1.5)	21.3	431	695
27	4G16+(2X1.0)	23.4	647	938
28	4G16+(2X1.5)	23.8	662	960
29	4G25+(2X1.5)	27.7	1010	1389
30	4G35+(2X1.5)	30.7	1393	1813
31	4G50+(2X1.5)	35.1	1970	2489
32	4G1.5+2X(2X0.75)	14.9	109	270
33	4G1.5+2X(2X1.0)	15.4	120	290
34	4G2.5+2X(2X0.75)	15.8	148	325
35	4G2.5+2X(2X1.0)	16.3	159	344
36	4G2.5+2X(2X1.5)	17.1	188	387
37	4G4+2X(2X1.0)	18.2	217	446
38	4G4+2X(2X1.5)	19.0	247	489
39	4G6+2X(2X1.0)	19.9	293	540
40	4G6+2X(2X1.5)	20.7	322	583
41	4G10+2X(2X1.0)	22.1	448	727
42	4G10+2X(2X1.5)	22.9	477	770
43	4G16+2X(2X1.0)	24.4	678	990
44	4G16+2X(2X1.5)	25.2	708	1111

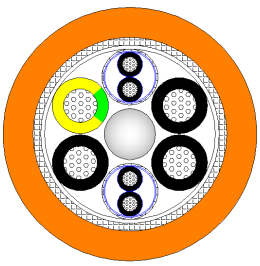
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

FLEX001-SERVO-PUR-HPJMCE-S

CE 认证 PUR 护套（拖链专用）伺服电机屏蔽电缆

CE certified PUR sheath (for drag chain) servo motor shielded cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接，用于动力拖链或移动机械部件，更具柔性和耐用性，适合在频繁运动的机械场所使用，专为动力拖链中循环使用而设计。整体镀锡铜丝屏蔽层提高抗电磁干扰能力。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

It is used for the connection between the servo motor of industrial automation mechanical equipment and the controller or frequency converter. It is used for power drag chain or Moved mechanical parts. It is more flexible and durable. It is suitable for use in frequently moving mechanical places. It is specially designed for recycling in power drag chain. The overall tinned copper wire shielding layer improves the anti electromagnetic interference ability. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
优异的抗电磁干扰能力；
1000 万次拖链循环使用寿命。

Product characteristics

Flexible, easy to bend
Flame retardancy conform to IEC60332-1-2
Oil resistance shall conform to EN60811-404
PUR sheath, tear and cutting resistant
Excellent anti electromagnetic interference capability
10 million cycles of towline service life

技术认证

CE 认证；
符合 VDE0245/0250/0281；
RoHS，REACH。

Technical certification

CE certification
conform to VDE0245/0250/0281
RoHS，REACH

电缆结构

超细多股精绞裸铜丝，符合 IEC60228 标准，第 6 类；
TPE 芯线绝缘；
控制线对用无纺布包裹后加镀锡铜丝编织，覆盖率约 90%；
无纺布包裹；
镀锡铜丝编织总屏蔽，覆盖率约 85%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Ultra fine stranded bare copper wire, conform to IEC60228 standard, Category 6
TPE core insulation
The control line pair is wrapped with non-woven fabric and then braided with tinned copper wire, with a coverage rate of about 90%
Non woven fabric package
Tinned copper wire braided overall shielding, with coverage of about 85%
PUR outer sheath
Outer sheath color:orange (RAL2003)



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 6 类标准；
额定电压：
　　动力线：0.6/1KV；控制线：300/500V。
绝缘电阻：＞ 20MΩ x km；
测试电压：
　　动力线：芯 / 芯 4000V；芯 / 屏 2000V。
　　控制线：芯 / 芯 2000V；芯 / 屏 1500V。
接地保护芯线：
　　G = 含黄绿接地保护芯线；
　　X = 不含黄绿接地保护芯线。
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−40 至+ 80℃。
最小弯曲半径：
　　固定安装：4X 电缆直径；
　　偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 6 standard;
Rated voltage:
　　power line: 0.6/1KV; Control line: 300/500V.
Insulation resistance: ＞ 20M Ω x km;
Test voltage:
　　power line: core/core 4000V; Core/screen 2000V.
　　Control line: core/core 2000V; Core/screen 1500V.
Grounding protection core wire:
　　G=including yellow green grounding protection core wire;
　　X=excluding yellow green grounding protection core wire.
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 4X cable diameter;
　　occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G1.5	11.5	86	191
2	4G2.5	12.7	128	249
3	4G4	15.1	194	365
4	4G6	17.8	278	505
5	4G10	20.6	460	740
6	4G16	23.8	703	1056
7	4G25	29.2	1072	1602
8	4G35	33.4	1471	2137
9	4G50	39.1	2070	2972
10	4G1.0+(2X0.5)	13.1	83	209
11	4G1.0+(2X0.75)	13.3	90	219
12	4G1.5+(2X0.5)	13.7	104	241
13	4G1.5+(2X0.75)	14.0	111	251
14	4G1.5+(2X1.0)	14.2	118	262
15	4G2.5+(2X0.5)	14.7	146	301
16	4G2.5+(2X0.75)	15.0	153	311
17	4G2.5+(2X1.0)	15.2	159	322
18	4G2.5+(2X1.5)	15.7	175	345
19	4G4+(2X0.75)	17.0	217	422
20	4G4+(2X1.0)	17.3	223	433
21	4G4+(2X1.5)	17.7	239	456
22	4G6+(2X0.75)	18.8	297	525

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
23	4G6+(2X1.0)	19.1	304	537
24	4G6+(2X1.5)	19.5	320	560
25	4G10+(2X1.0)	21.4	484	757
26	4G10+(2X1.5)	21.9	498	779
27	4G16+(2X1.0)	24.0	722	1040
28	4G16+(2X1.5)	24.4	738	1064
29	4G25+(2X1.5)	28.3	1101	1527
30	4G35+(2X1.5)	31.3	1495	1982
31	4G50+(2X1.5)	35.7	2088	2705
32	4G1.5+2X(2X0.75)	15.5	141	304
33	4G1.5+2X(2X1.0)	16.0	154	325
34	4G2.5+2X(2X0.75)	16.4	182	362
35	4G2.5+2X(2X1.0)	16.9	195	384
36	4G2.5+2X(2X1.5)	17.7	227	430
37	4G4+2X(2X1.0)	18.8	259	494
38	4G4+2X(2X1.5)	19.6	291	541
39	4G6+2X(2X1.0)	20.5	355	612
40	4G6+2X(2X1.5)	21.3	387	660
41	4G10+2X(2X1.0)	22.7	517	814
42	4G10+2X(2X1.5)	23.5	550	862
43	4G16+2X(2X1.0)	25.0	757	1097
44	4G16+2X(2X1.5)	25.8	789	1146

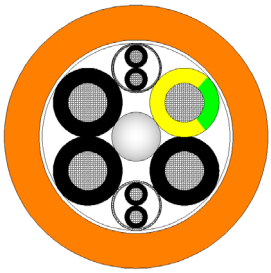
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 2570 SERVO

UL/CUL 认证 PVC 护套柔性伺服电机电缆

UL/CUL certified PVC sheathed flexible servo motor cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. With certain flexibility, it is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. For export to the North American market using UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN50290-2-22(TM54) 标准；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to VW-1, FT1;
Oil resistance meets EN50290-2-22 (TM54) standard;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2570，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2570, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire or tinned copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
PVC outer sheath;
Outer sheath color:orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−5 至+ 70℃。
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 resistance standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter,
occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G16AWG	8.3	47	110
2	4G14AWG	9.4	74	151
3	4G12AWG	11.4	117	217
4	4G10AWG	14.2	189	327
5	4G8AWG	17.3	302	521
6	4G6AWG	22.5	479	838
7	4G4AWG	26.8	787	1271
8	4G2AWG	31.1	1163	1756
9	4G1/0AWG	39.1	1890	2897
10	4G18AWG+(2X20AWG)	9.9	54	147
11	4G16AWG+(2X20AWG)	11.2	71	188
12	4G16AWG+(2X18AWG)	11.5	78	201
13	4G14AWG+(2X20AWG)	12.0	98	229
14	4G14AWG+(2X18AWG)	12.4	105	242
15	4G14AWG+(2X16AWG)	12.8	116	261
16	4G12AWG+(2X18AWG)	13.7	149	311
17	4G12AWG+(2X16AWG)	14.1	160	330
18	4G12AWG+(2X14AWG)	14.7	176	361
19	4G10AWG+(2X18AWG)	16.0	221	439
20	4G10AWG+(2X16AWG)	16.4	232	459
21	4G10AWG+(2X14AWG)	16.9	248	484

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	19.2	345	622
23	4G8AWG+(2X14AWG)	19.7	362	647
24	4G6AWG+(2X16AWG)	23.5	521	933
25	4G6AWG+(2X14AWG)	24.4	538	983
26	4G4AWG+(2X14AWG)	27.8	846	1388
27	4G2AWG+(2X14AWG)	32.0	1222	1920
28	4G1/0AWG+(2X14AWG)	39.7	1949	3035
29	4G14AWG+2X(2X18AWG)	14.4	121	295
30	4G14AWG+2X(2X16AWG)	15.4	141	338
31	4G12AWG+2X(2X18AWG)	15.6	164	364
32	4G12AWG+2X(2X16AWG)	16.6	184	408
33	4G12AWG+2X(2X14AWG)	17.4	214	455
34	4G10AWG+2X(2X16AWG)	18.6	256	532
35	4G10AWG+2X(2X14AWG)	19.4	286	579
36	4G8AWG+2X(2X16AWG)	21.4	369	706
37	4G8AWG+2X(2X14AWG)	22.2	400	754
38	4G6AWG+2X(2X16AWG)	25.5	546	1020
39	4G6AWG+2X(2X14AWG)	26.2	576	1070
40	4G4AWG+2X(2X16AWG)	29.0	853	1451
41	4G4AWG+2X(2X14AWG)	29.8	884	1503

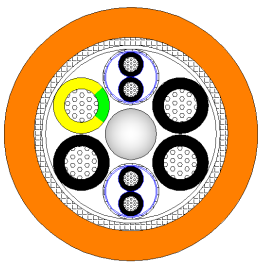
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 2570-S SERVO

UL/CUL 认证 PVC 护套柔性伺服电机屏蔽电缆

UL/CUL certified PVC sheathed flexible servo motor shield cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，整体镀锡铜丝屏蔽层提高抗电磁干扰能力，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. It has a certain degree of flexibility. The overall tinned copper wire shielding layer improves the anti electromagnetic interference ability. It is suitable for fixed installation and occasional bending occasions of free, discontinuous reciprocating movement without tensile load. For export to the North American market using UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN50290-2-22(TM54) 标准；
优异的抗电磁干扰能力；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to VW-1, FT1;
Oil resistance conform to EN50290-2-22 (TM54) standard;
Excellent anti electromagnetic interference capability;
Good peeling property;
Occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2570，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2570, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
SR-PVC/PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
铝箔加镀锡铜丝编织总屏蔽，覆盖率约 80%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire or tinned copper wire, conform to IEC60228 standard, Class 5;
SR-PVC/PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
Aluminum foil and tinned copper wire braid the overall shielding, with a coverage rate of about 80%;
PVC outer sheath;
Outer sheath color:orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：> 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：-40 至+ 80℃；
移动安装：-5 至+ 70℃。
最小弯曲半径：
固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 resistance standard;
Rated voltage: 1000V;
Insulation resistance: > 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 40 to+80 ℃ ;
Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 20X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G16AWG	9.0	66	136
2	4G14AWG	10.1	96	180
3	4G12AWG	11.9	143	252
4	4G10AWG	14.7	223	370
5	4G8AWG	17.8	344	576
6	4G6AWG	23.2	553	942
7	4G4AWG	27.5	875	1367
8	4G2AWG	31.8	1264	1897
9	4G1/0AWG	39.8	2020	3039
10	4G18AWG+(2X20AWG)	10.4	79	175
11	4G16AWG+(2X20AWG)	11.7	99	220
12	4G16AWG+(2X18AWG)	12.0	107	234
13	4G14AWG+(2X20AWG)	12.5	128	264
14	4G14AWG+(2X18AWG)	12.9	137	278
15	4G14AWG+(2X16AWG)	13.3	150	298
16	4G12AWG+(2X18AWG)	14.2	184	350
17	4G12AWG+(2X16AWG)	14.6	197	371
18	4G12AWG+(2X14AWG)	15.2	215	404
19	4G10AWG+(2X18AWG)	16.5	263	486
20	4G10AWG+(2X16AWG)	16.9	275	507
21	4G10AWG+(2X14AWG)	17.4	293	533

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	19.9	415	698
23	4G8AWG+(2X14AWG)	20.4	433	725
24	4G6AWG+(2X16AWG)	24.2	608	1027
25	4G6AWG+(2X14AWG)	25.1	627	1080
26	4G4AWG+(2X14AWG)	28.5	948	1498
27	4G2AWG+(2X14AWG)	32.7	1339	2047
28	4G1/0AWG+(2X14AWG)	40.4	2095	3192
29	4G14AWG+2X(2X18AWG)	14.9	159	336
30	4G14AWG+2X(2X16AWG)	15.9	181	383
31	4G12AWG+2X(2X18AWG)	16.1	205	409
32	4G12AWG+2X(2X16AWG)	17.1	228	457
33	4G12AWG+2X(2X14AWG)	17.9	261	506
34	4G10AWG+2X(2X16AWG)	19.1	306	586
35	4G10AWG+2X(2X14AWG)	20.1	357	656
36	4G8AWG+2X(2X16AWG)	22.1	447	790
37	4G8AWG+2X(2X14AWG)	22.9	481	842
38	4G6AWG+2X(2X16AWG)	26.2	639	1121
39	4G6AWG+2X(2X14AWG)	26.9	673	1174
40	4G4AWG+2X(2X16AWG)	29.7	959	1566
41	4G4AWG+2X(2X14AWG)	30.5	993	1560

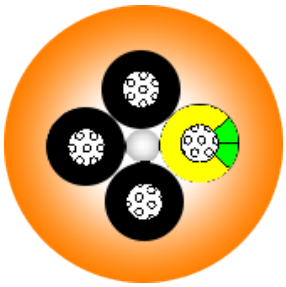
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 2586 SERVO

UL/CUL 认证 PVC 护套柔性伺服电机电缆

UL/CUL certified PVC sheathed flexible servo motor cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motors and controllers or frequency converters in industrial automation machinery and equipment. It has certain flexibility and is suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Intended for the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN50290-2-22(TM54) 标准；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to VW-1 and FT1;
Oil resistance conform to EN 50290-2-22 (TM54) standard;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2586，UL File E509062；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 2586, UL File E509062;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE 芯线绝缘可选；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Stranded bare copper or tinned copper, conform to IEC 60228, Class 5;
PVC/TPE core wire insulation is optional;
Control wire pairs: foil-shielded with tinned copper braid, with approximately 85% coverage;
PVC outer sheath;
Outer sheath color: orange (RAL 2003).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 105℃；
移动安装：−15 至+ 105℃。
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
Black cores with white number according to DIN VDE 0293
Conductor resistance: Per UL 1581 resistance standards
Rated voltage: 1000V
Insulation resistance: ＞ 20MΩ × km
Test voltage: 3000V
Grounding protection core:
G = with yellow−green grounding protection core;
X = without yellow−green grounding protection core
Temperature range:
Fixed installation: −40 to +105℃ ;
Mobile installation: −15 to +105℃
Minimum bending radius:
Fixed installation: 4× cable diameter;
Occasional movement: 15× cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 约 kg/km Cable weight
1	4G16AWG	8.3	47	110
2	4G14AWG	9.4	74	151
3	4G12AWG	11.4	117	217
4	4G10AWG	14.2	189	327
5	4G8AWG	17.3	302	521
6	4G6AWG	22.5	479	838
7	4G4AWG	26.8	787	1271
8	4G2AWG	31.1	1163	1756
9	4G1/0AWG	39.1	1890	2897
10	4G18AWG+(2X20AWG)	9.9	54	147
11	4G16AWG+(2X20AWG)	11.2	71	188
12	4G16AWG+(2X18AWG)	11.5	78	201
13	4G14AWG+(2X20AWG)	12.0	98	229
14	4G14AWG+(2X18AWG)	12.4	105	242
15	4G14AWG+(2X16AWG)	12.8	116	261
16	4G12AWG+(2X18AWG)	13.7	149	311
17	4G12AWG+(2X16AWG)	14.1	160	330
18	4G12AWG+(2X14AWG)	14.7	176	361
19	4G10AWG+(2X18AWG)	16.0	221	439
20	4G10AWG+(2X16AWG)	16.4	232	459
21	4G10AWG+(2X14AWG)	16.9	248	484

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	19.2	345	622
23	4G8AWG+(2X14AWG)	19.7	362	647
24	4G6AWG+(2X16AWG)	23.5	521	933
25	4G6AWG+(2X14AWG)	24.4	538	983
26	4G4AWG+(2X14AWG)	27.8	846	1388
27	4G2AWG+(2X14AWG)	32.0	1222	1920
28	4G1/0AWG+(2X14AWG)	39.7	1949	3035
29	4G14AWG+2X(2X18AWG)	14.4	121	295
30	4G14AWG+2X(2X16AWG)	15.4	141	338
31	4G12AWG+2X(2X18AWG)	15.6	164	364
32	4G12AWG+2X(2X16AWG)	16.6	184	408
33	4G12AWG+2X(2X14AWG)	17.4	214	455
34	4G10AWG+2X(2X16AWG)	18.6	256	532
35	4G10AWG+2X(2X14AWG)	19.4	286	579
36	4G8AWG+2X(2X16AWG)	21.4	369	706
37	4G8AWG+2X(2X14AWG)	22.2	400	754
38	4G6AWG+2X(2X16AWG)	25.5	546	1020
39	4G6AWG+2X(2X14AWG)	26.2	576	1070
40	4G4AWG+2X(2X16AWG)	29.0	853	1451
41	4G4AWG+2X(2X14AWG)	29.8	884	1503

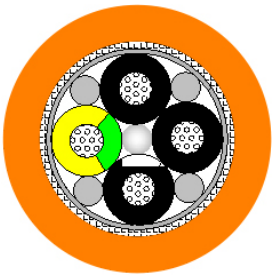
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 2586-S SERVO

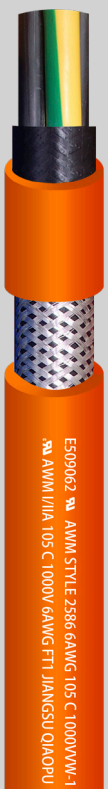
UL/CUL 认证 PVC 护套柔性伺服电机屏蔽电缆

UL/CUL certified PVC sheathed flexible shielded servo motor cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，整体镀锡铜丝屏蔽层提高抗电磁干扰能力，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motors and controllers or frequency converters in industrial automation machinery and equipment. It has certain flexibility, and the overall tinned copper wire shielding layer enhances electromagnetic interference resistance. Suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Intended for the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN50290-2-22(TM54) 标准；
优异的抗电磁干扰能力；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to VW-1 and FT1;
Oil resistance conform to EN 50290-2-22 (TM54) standard;
Excellent electromagnetic interference resistance;
Good peelability;
Suitable for occasional movement.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 2586 ,
Core with UL10012，UL File E515641；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

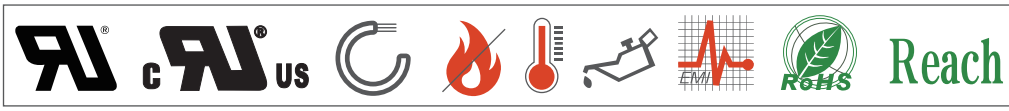
UL/cUL certification;
conform to UL 758 TYPE 2586, Core with UL 10012, UL File E515641;
conform to UL 1581/UL 2556;
conform to cUL AWM I A/B II A/B;
RoHS, REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/TPE 芯线绝缘可选；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
铝箔加镀锡铜丝编织总屏蔽，覆盖率约 80%；
PVC 外护套；
外护套橙色（RAL2003）。

Cable structure

Stranded bare copper or tinned copper, conform to IEC 60228, Class 5;
PVC/TPE core wire insulation is optional;
Control wire pairs: foil-shielded with tinned copper braid, with approximately 85% coverage;
Overall shield with aluminum foil and tinned copper braid, with approximately 80% coverage;
PVC outer sheath;
Outer sheath color: orange (RAL 2003).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 105℃；
移动安装：−15 至+ 105℃。
最小弯曲半径：
固定安装：6X 电缆直径；
偶尔移动：20X 电缆直径。

Technical parameters

Core identification:
Black cores with white number according to DIN VDE 0293;
Conductor resistance: Per UL 1581 resistance standards;
Rated voltage: 1000V;
Insulation resistance: > 20MΩ × km;
Test voltage: 3000V;
Grounding protection core:
G = with yellow−green grounding protection core;
X = without yellow−green grounding protection core.
Temperature range:
Fixed installation: −40 to +80℃ ;
Mobile installation: −15 to +105℃ .
Minimum bending radius:
Fixed installation: 6× cable diameter;
Occasional movement: 20× cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 约 kg/km Cable weight
1	4G16AWG	9.0	66	136
2	4G14AWG	10.1	96	180
3	4G12AWG	11.9	143	252
4	4G10AWG	14.7	223	370
5	4G8AWG	17.8	344	576
6	4G6AWG	23.2	553	942
7	4G4AWG	27.5	875	1367
8	4G2AWG	31.8	1264	1897
9	4G1/0AWG	39.8	2020	3039
10	4G18AWG+(2X20AWG)	10.4	79	175
11	4G16AWG+(2X20AWG)	11.7	99	220
12	4G16AWG+(2X18AWG)	12.0	107	234
13	4G14AWG+(2X20AWG)	12.5	128	264
14	4G14AWG+(2X18AWG)	12.9	137	278
15	4G14AWG+(2X16AWG)	13.3	150	298
16	4G12AWG+(2X18AWG)	14.2	184	350
17	4G12AWG+(2X16AWG)	14.6	197	371
18	4G12AWG+(2X14AWG)	15.2	215	404
19	4G10AWG+(2X18AWG)	16.5	263	486
20	4G10AWG+(2X16AWG)	16.9	275	507
21	4G10AWG+(2X14AWG)	17.4	293	533

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	19.9	415	698
23	4G8AWG+(2X14AWG)	20.4	433	725
24	4G6AWG+(2X16AWG)	24.2	608	1027
25	4G6AWG+(2X14AWG)	25.1	627	1080
26	4G4AWG+(2X14AWG)	28.5	948	1498
27	4G2AWG+(2X14AWG)	32.7	1339	2047
28	4G1/0AWG+(2X14AWG)	40.4	2095	3192
29	4G14AWG+2X(2X18AWG)	14.9	159	336
30	4G14AWG+2X(2X16AWG)	15.9	181	383
31	4G12AWG+2X(2X18AWG)	16.1	205	409
32	4G12AWG+2X(2X16AWG)	17.1	228	457
33	4G12AWG+2X(2X14AWG)	17.9	261	506
34	4G10AWG+2X(2X16AWG)	19.1	306	586
35	4G10AWG+2X(2X14AWG)	20.1	357	656
36	4G8AWG+2X(2X16AWG)	22.1	447	790
37	4G8AWG+2X(2X14AWG)	22.9	481	842
38	4G6AWG+2X(2X16AWG)	26.2	639	1121
39	4G6AWG+2X(2X14AWG)	26.9	673	1174
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41	4G4AWG+2X(2X14AWG)	30.5	993	1560

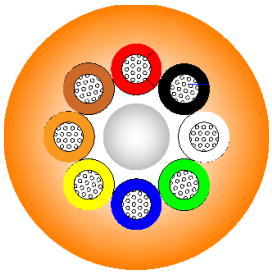
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 20234 SERVO

UL/CUL 认证 PUR 护套柔性伺服电机电缆

UL/CUL certified PUR sheathed flexible servo motor cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motors and controllers or frequency converters in industrial automation machinery and equipment. It has certain flexibility and is suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Ideal for use in industrial environments requiring excellent mechanical and chemical resistance. Intended for the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
良好的剥离性。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to VW-1 and FT1;
Oil resistance conform to EN 60811-404;
PUR sheath, tear and cut resistant;
Good peelability.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20234 ,
Core with UL10263，UL File E515641；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL 758 TYPE 20234,
Core with UL 10263, UL File E515641;
conform to UL 1581/UL 2556;
conform to cUL AWM I A/B II A/B;
RoHS, REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Stranded bare copper or tinned copper,conform to IEC 60228, Class 5;
PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Control wire pairs: foil-shielded with tinned copper braid, with approximately 85% coverage;
PUR outer sheath;
Outer sheath color: orange (RAL 2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core identification:
Black cores with white number according to DIN VDE 0293;
Conductor resistance: Per UL 1581 resistance standards;
Rated voltage: 1000V;
Insulation resistance: > 20MΩ × km;
Test voltage: 3000V;
Grounding protection core:
G = with yellow−green grounding protection core;
X = without yellow−green grounding protection core.
Temperature range:
Fixed installation: −40 to +80℃ ;
Mobile installation: −40 to +80℃ .
Minimum bending radius:
Fixed installation: 4 × cable diameter;
Occasional movement: 10 × cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G16AWG	7.8	47	92
2	4G14AWG	8.9	74	130
3	4G12AWG	10.7	117	196
4	4G10AWG	13.5	189	303
5	4G8AWG	16.9	302	477
6	4G6AWG	20.0	479	705
7	4G4AWG	24.7	787	1120
8	4G2AWG	28.6	1163	1578
9	4G1/0AWG	36.7	1890	2583
10	4G18AWG+(2X20AWG)	9.3	54	125
11	4G16AWG+(2X20AWG)	10.5	71	160
12	4G16AWG+(2X18AWG)	10.8	78	171
13	4G14AWG+(2X20AWG)	11.3	98	195
14	4G14AWG+(2X18AWG)	11.6	105	206
15	4G14AWG+(2X16AWG)	12.0	116	222
16	4G12AWG+(2X18AWG)	12.8	149	264
17	4G12AWG+(2X16AWG)	13.2	160	280
18	4G12AWG+(2X14AWG)	13.8	176	307
19	4G10AWG+(2X18AWG)	15.0	221	373
20	4G10AWG+(2X16AWG)	15.4	232	390
21	4G10AWG+(2X14AWG)	15.9	248	411

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	18.1	345	529
23	4G8AWG+(2X14AWG)	18.5	362	550
24	4G6AWG+(2X16AWG)	22.1	521	793
25	4G6AWG+(2X14AWG)	22.9	538	835
26	4G4AWG+(2X14AWG)	26.1	846	1180
27	4G2AWG+(2X14AWG)	30.1	1222	1632
28	4G1/0AWG+(2X14AWG)	37.3	1949	2580
29	4G14AWG+2X(2X18AWG)	13.6	121	250
30	4G14AWG+2X(2X16AWG)	14.5	141	287
31	4G12AWG+2X(2X18AWG)	14.7	164	309
32	4G12AWG+2X(2X16AWG)	15.6	184	347
33	4G12AWG+2X(2X14AWG)	16.4	214	387
34	4G10AWG+2X(2X16AWG)	17.5	256	452
35	4G10AWG+2X(2X14AWG)	18.3	286	492
36	4G8AWG+2X(2X16AWG)	20.2	369	600
37	4G8AWG+2X(2X14AWG)	20.9	400	641
38	4G6AWG+2X(2X16AWG)	23.9	546	867
39	4G6AWG+2X(2X14AWG)	24.7	576	909
40	4G4AWG+2X(2X16AWG)	27.3	853	1233
41	4G4AWG+2X(2X14AWG)	28.0	884	1277

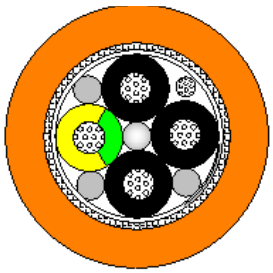
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 20234-S SERVO

UL/CUL 认证 PUR 护套柔性伺服电机屏蔽电缆

UL/CUL certified PUR sheathed flexible shielded servo motor cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

- SERVO-HRJMCE
- SERVO-HRJMCE-S
- SERVO-PUR-HPJMCE
- SERVO-PUR-HPJMCE-S
- FLEX001-SERVO-HRJMCE
- FLEX001-SERVO-HRJMCE-S
- FLEX001-SERVO-PUR-HPJMCE
- FLEX001-SERVO-PUR-HPJMCE-S
- AWM 2570 SERVO
- AWM 2570-S SERVO
- AWM 2586 SERVO
- AWM 2586-S SERVO
- AWM 20234 SERVO
- AWM 20234-S SERVO
- AWM 20940 SERVO
- AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，整体镀锡铜丝屏蔽层提高抗电磁干扰能力，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motors and controllers or frequency converters in industrial automation machinery and equipment. It has certain flexibility, and the overall tinned copper wire shielding layer enhances electromagnetic interference resistance. Suitable for fixed installation as well as occasional bending scenarios involving free, non-continuous reciprocating movement without tensile load. Ideal for use in industrial environments requiring excellent mechanical and chemical resistance. Intended for the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN60811-404；
优异的抗电磁干扰能力；
PUR 护套，抗撕裂及切割；
良好的剥离性。

Product characteristics

Flexible and easy to bend;
Flame retardancy conform to VW-1 and FT1;
Oil resistance conform to EN 60811-404;
Excellent electromagnetic interference resistance
PUR sheath, tear and cut resistant;
Good peelability.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20234 ,
Core with UL10263，UL File E515641;
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

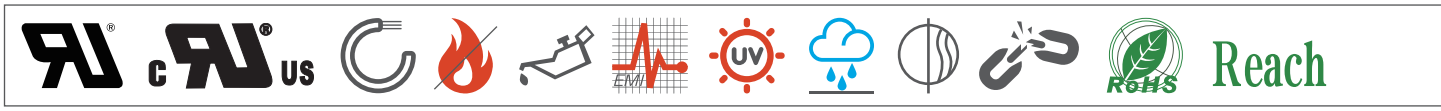
UL/cUL certification;
conform to UL 758 TYPE 20234,
Core with UL 10263, UL File E515641;
conform to UL 1581/UL 2556;
conform to cUL AWM I A/B II A/B;
RoHS, REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC/HDPE/PP/TPE/TPES 芯线绝缘可选；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
铝箔加镀锡铜丝编织总屏蔽，覆盖率约 80%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Stranded bare copper or tinned copper,conform to IEC 60228, Class 5;
PVC/HDPE/PP/TPE/TPES core wire insulation is optional;
Control wire pairs: foil-shielded with tinned copper braid, with approximately 85% coverage;
Overall shield with aluminum foil and tinned copper braid, with approximately 80% coverage;
PUR outer sheath;
Outer sheath color: orange (RAL 2003).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：6X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core identification:
Black cores with white number according to DIN VDE 0293;
Conductor resistance: Per UL 1581 resistance standards
Rated voltage: 1000V;
Insulation resistance: > 20MΩ × km;
Test voltage: 3000V;
Grounding protection core:
G = with yellow−green grounding protection core;
X = without yellow−green grounding protection core.
Temperature range:
Fixed installation: −40 to +80℃ ;
Mobile installation: −40 to +80℃ .
Minimum bending radius:
Fixed installation: 6× cable diameter;
Occasional movement: 15× cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 约 kg/km Cable weight
1	4G16AWG	8.5	65	116
2	4G14AWG	9.6	94	157
3	4G12AWG	11.4	142	228
4	4G10AWG	14.2	221	344
5	4G8AWG	17.6	343	529
6	4G6AWG	21.1	544	793
7	4G4AWG	25.4	868	1208
8	4G2AWG	29.7	1258	1704
9	4G1/0AWG	37.4	2011	2713
10	4G18AWG+(2X20AWG)	9.8	79	149
11	4G16AWG+(2X20AWG)	11.0	99	187
12	4G16AWG+(2X18AWG)	11.3	107	199
13	4G14AWG+(2X20AWG)	11.8	128	224
14	4G14AWG+(2X18AWG)	12.1	137	236
15	4G14AWG+(2X16AWG)	12.5	150	254
16	4G12AWG+(2X18AWG)	13.3	184	298
17	4G12AWG+(2X16AWG)	13.7	197	315
18	4G12AWG+(2X14AWG)	14.3	215	343
19	4G10AWG+(2X18AWG)	15.5	263	413
20	4G10AWG+(2X16AWG)	15.9	275	431
21	4G10AWG+(2X14AWG)	16.3	293	453

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	18.7	415	593
23	4G8AWG+(2X14AWG)	19.1	433	616
24	4G6AWG+(2X16AWG)	22.8	608	873
25	4G6AWG+(2X14AWG)	23.6	627	918
26	4G4AWG+(2X14AWG)	26.7	948	1273
27	4G2AWG+(2X14AWG)	30.7	1339	1740
28	4G1/0AWG+(2X14AWG)	38.0	2095	2714
29	4G14AWG+2X(2X18AWG)	14.0	159	286
30	4G14AWG+2X(2X16AWG)	15.0	181	325
31	4G12AWG+2X(2X18AWG)	15.2	205	348
32	4G12AWG+2X(2X16AWG)	16.1	228	388
33	4G12AWG+2X(2X14AWG)	16.9	261	430
34	4G10AWG+2X(2X16AWG)	18.0	306	498
35	4G10AWG+2X(2X14AWG)	18.9	357	558
36	4G8AWG+2X(2X16AWG)	20.8	447	672
37	4G8AWG+2X(2X14AWG)	21.6	481	716
38	4G6AWG+2X(2X16AWG)	24.6	639	953
39	4G6AWG+2X(2X14AWG)	25.3	673	998
40	4G4AWG+2X(2X16AWG)	27.9	959	1331
41	4G4AWG+2X(2X14AWG)	28.7	993	1326

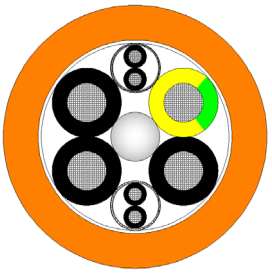
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 20940 SERVO

UL/CUL 认证 PUR 护套柔性伺服电机电缆

UL/CUL certified PUR sheathed flexible servo motor cable



伺服系统电机专用电缆

SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. With certain flexibility, it is suitable for fixed installation and occasional bending occasions of free and discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. For export to the North American market using UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
良好的剥离性。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to VW-1, FT1;
Oil resistance shall conform to EN60811-404;
PUR sheath, tear and cutting resistant;
Good peeling property.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20940 ,
Core with UL10263，UL File E515641；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL758 TYPE 20940,
Core with UL10263, UL File E515641;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire or tinned copper wire, conform to IEC60228 standard, Class 5;
PVC core insulation;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
PUR outer sheath;
Outer sheath color:orange (RAL2003).

技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：4X 电缆直径；
偶尔移动：10X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 resistance standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20MΩ x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 4X cable diameter;
occasional movement: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G16AWG	7.8	47	92
2	4G14AWG	8.9	74	130
3	4G12AWG	10.7	117	196
4	4G10AWG	13.5	189	303
5	4G8AWG	16.9	302	477
6	4G6AWG	20.0	479	705
7	4G4AWG	24.7	787	1120
8	4G2AWG	28.6	1163	1578
9	4G1/0AWG	36.7	1890	2583
10	4G18AWG+(2X20AWG)	9.3	54	125
11	4G16AWG+(2X20AWG)	10.5	71	160
12	4G16AWG+(2X18AWG)	10.8	78	171
13	4G14AWG+(2X20AWG)	11.3	98	195
14	4G14AWG+(2X18AWG)	11.6	105	206
15	4G14AWG+(2X16AWG)	12.0	116	222
16	4G12AWG+(2X18AWG)	12.8	149	264
17	4G12AWG+(2X16AWG)	13.2	160	280
18	4G12AWG+(2X14AWG)	13.8	176	307
19	4G10AWG+(2X18AWG)	15.0	221	373
20	4G10AWG+(2X16AWG)	15.4	232	390
21	4G10AWG+(2X14AWG)	15.9	248	411

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	18.1	345	529
23	4G8AWG+(2X14AWG)	18.5	362	550
24	4G6AWG+(2X16AWG)	22.1	521	793
25	4G6AWG+(2X14AWG)	22.9	538	835
26	4G4AWG+(2X14AWG)	26.1	846	1180
27	4G2AWG+(2X14AWG)	30.1	1222	1632
28	4G1/0AWG+(2X14AWG)	37.3	1949	2580
29	4G14AWG+2X(2X18AWG)	13.6	121	250
30	4G14AWG+2X(2X16AWG)	14.5	141	287
31	4G12AWG+2X(2X18AWG)	14.7	164	309
32	4G12AWG+2X(2X16AWG)	15.6	184	347
33	4G12AWG+2X(2X14AWG)	16.4	214	387
34	4G10AWG+2X(2X16AWG)	17.5	256	452
35	4G10AWG+2X(2X14AWG)	18.3	286	492
36	4G8AWG+2X(2X16AWG)	20.2	369	600
37	4G8AWG+2X(2X14AWG)	20.9	400	641
38	4G6AWG+2X(2X16AWG)	23.9	546	867
39	4G6AWG+2X(2X14AWG)	24.7	576	909
40	4G4AWG+2X(2X16AWG)	27.3	853	1233
41	4G4AWG+2X(2X14AWG)	28.0	884	1277

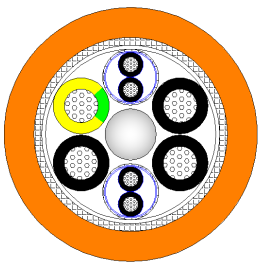
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

AWM 20940-SB SERVO

UL/CUL 认证 PUR 护套柔性伺服电机屏蔽电缆

UL/CUL Certified PUR Sheathed Flexible Servo Motor Shielded Cable



伺服系统电机
专用电缆
SERVO SYSTEM MOTOR SPECIAL CABLE

SERVO-HRJMCE
SERVO-HRJMCE-S
SERVO-PUR-HPJMCE
SERVO-PUR-HPJMCE-S
FLEX001-SERVO-HRJMCE
FLEX001-SERVO-HRJMCE-S
FLEX001-SERVO-PUR-HPJMCE
FLEX001-SERVO-PUR-HPJMCE-S
AWM 2570 SERVO
AWM 2570-S SERVO
AWM 2586 SERVO
AWM 2586-S SERVO
AWM 20234 SERVO
AWM 20234-S SERVO
AWM 20940 SERVO
AWM 20940-SB SERVO



应用范围

用于工业自动化机械设备的伺服电机与控制器或变频器之间的连接。具有一定的柔性，整体镀锡铜丝屏蔽层提高抗电磁干扰能力，适用于固定安装以及无拉伸负载时自由、非连续性往复移动的偶尔弯曲场合。适合在需要出色的机械性能和耐化学性能的工业环境中使用。针对出口到应用UL/CSA 认证电缆的北美市场。

Scope of application

Used for connection between servo motor and controller or frequency converter of industrial automation mechanical equipment. It has a certain degree of flexibility. The overall tinned copper wire shielding layer improves the anti electromagnetic interference ability. It is suitable for fixed installation and occasional bending occasions of free, discontinuous reciprocating movement without tensile load. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required. For export to the North American market using UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃性符合 VW-1，FT1；
耐油性符合 EN60811-404；
优异的抗电磁干扰能力；
PUR 护套，抗撕裂及切割；
良好的剥离性。

Product characteristics

Flexible, easy to bend;
Flame retardant in accordance with VW-1, FT1;
Oil resistance shall conform to EN60811-404;
Excellent anti electromagnetic interference capability;
PUR sheath, tear and cutting resistant;
Good peeling property.

技术认证

UL/cUL 认证；
符合 UL758 TYPE 20940 ,
Core with UL10263，UL File E515641；
符合 UL1581/UL2556；
符合 cUL AWM I A/B II A/B；
RoHS，REACH。

Technical certification

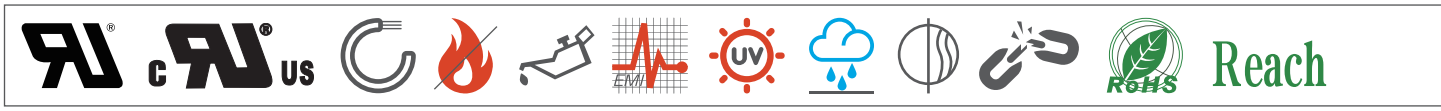
UL/cUL certification;
conform to UL758 TYPE 20940,
Core with UL10263, UL File E515641;
conform to UL1581/UL2556;
conform to cUL AWM I A/B II A/B;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
控制线对用铝箔屏蔽后加镀锡铜丝编织，覆盖率约 85%；
铝箔加镀锡铜丝编织总屏蔽，覆盖率约 80%；
PUR 外护套；
外护套橙色（RAL2003）。

Cable structure

Multi strand stranded bare copper wire or tinned copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
The control line pair is shielded with aluminum foil and then braided with tinned copper wire, with a coverage rate of about 85%;
Aluminum foil and tinned copper wire braid the overall shielding, with a coverage rate of about 80%;
PUR outer sheath;
Outer sheath color:orange (RAL2003).



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：UL1581 电阻标准；
额定电压：1000V；
绝缘电阻：＞ 20MΩ x km；
测试电压：3000V；
接地保护芯线：
G = 含黄绿接地保护芯线；
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：6X 电缆直径；
偶尔移动：15X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: UL1581 resistance standard;
Rated voltage: 1000V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 3000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 6X cable diameter;
occasional movement: 15X cable diameter.

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	4G16AWG	8.5	65	116
2	4G14AWG	9.6	94	157
3	4G12AWG	11.4	142	228
4	4G10AWG	14.2	221	344
5	4G8AWG	17.6	343	529
6	4G6AWG	21.1	544	793
7	4G4AWG	25.4	868	1208
8	4G2AWG	29.7	1258	1704
9	4G1/0AWG	37.4	2011	2713
10	4G18AWG+(2X20AWG)	9.8	79	149
11	4G16AWG+(2X20AWG)	11.0	99	187
12	4G16AWG+(2X18AWG)	11.3	107	199
13	4G14AWG+(2X20AWG)	11.8	128	224
14	4G14AWG+(2X18AWG)	12.1	137	236
15	4G14AWG+(2X16AWG)	12.5	150	254
16	4G12AWG+(2X18AWG)	13.3	184	298
17	4G12AWG+(2X16AWG)	13.7	197	315
18	4G12AWG+(2X14AWG)	14.3	215	343
19	4G10AWG+(2X18AWG)	15.5	263	413
20	4G10AWG+(2X16AWG)	15.9	275	431
21	4G10AWG+(2X14AWG)	16.3	293	453

物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
22	4G8AWG+(2X16AWG)	18.7	415	593
23	4G8AWG+(2X14AWG)	19.1	433	616
24	4G6AWG+(2X16AWG)	22.8	608	873
25	4G6AWG+(2X14AWG)	23.6	627	918
26	4G4AWG+(2X14AWG)	26.7	948	1273
27	4G2AWG+(2X14AWG)	30.7	1339	1740
28	4G1/0AWG+(2X14AWG)	38.0	2095	2714
29	4G14AWG+2X(2X18AWG)	14.0	159	286
30	4G14AWG+2X(2X16AWG)	15.0	181	325
31	4G12AWG+2X(2X18AWG)	15.2	205	348
32	4G12AWG+2X(2X16AWG)	16.1	228	388
33	4G12AWG+2X(2X14AWG)	16.9	261	430
34	4G10AWG+2X(2X16AWG)	18.0	306	498
35	4G10AWG+2X(2X14AWG)	18.9	357	558
36	4G8AWG+2X(2X16AWG)	20.8	447	672
37	4G8AWG+2X(2X14AWG)	21.6	481	716
38	4G6AWG+2X(2X16AWG)	24.6	639	953
39	4G6AWG+2X(2X14AWG)	25.3	673	998
40	4G4AWG+2X(2X16AWG)	27.9	959	1331
41	4G4AWG+2X(2X14AWG)	28.7	993	1326

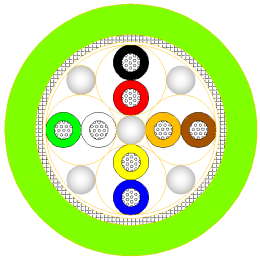
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HRMCE-SP Encoder

CE 认证 PVC 护套柔性伺服编码器反馈专用对绞屏蔽电缆

CE certified PVC sheathed flexible servo encoder feedback special twisted shielded cable



伺服系统编码器
反馈专用电缆
SERVO SYSTEM ENCODER FEEDBACK SPECIAL CABLE

SERVO-HRMCE -SP Encoder

SERVO-HPMCE -SP Encoder



应用范围

这些信号控制电缆适用于伺服控制器和编码器之间的连接线，具有良好的柔软性能，用于移动机械部件，低电容设计，双屏蔽层特别适合需要抗电磁干扰的应用场合，对绞结构有效防止相邻线对之间的串音，使数据传输更加安全可靠。

Scope of application

These signal control cables are applicable to the connecting lines between the servo controller and the encoder, and have good flexibility. They are used for mobile mechanical parts, low capacitance design. The double screen shielding layer is particularly suitable for applications requiring anti electromagnetic interference. The twisted pair structure effectively prevents crosstalk between adjacent pairs of lines, making data transmission more secure and reliable.

产品特性

柔性，易弯曲；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
低电容设计；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
动力拖链使用寿命最高可达 500 万次。

Product characteristics

Flexible, easy to bend;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Low capacitance design;
Flame retardancy conforms to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
The service life of power towline can reach 5 million times.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

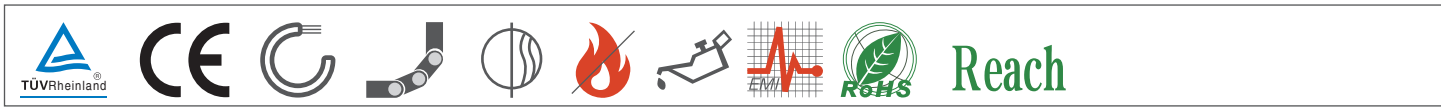
CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 6 类；
PP 芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PVC 外护套；
外护套绿色（RAL6018），紫色（RAL4001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Category 6;
PP core insulation;
Core twisted pair;
Tinned copper wire braided shield, about 85% coverage;
PVC outer sheath;
Outer sheath color:green (RAL6018), purple (RAL4001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 70℃；
　　移动安装：−5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+70 ℃ ;
　　Moved installation: − 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X2X0.14mm²	5.8	14.7	38
2	3X2X0.14mm²	6.4	18.4	48
3	4X2X0.14mm²	6.9	22.3	56
4	5X2X0.14mm²	7.4	26.3	65
5	6X2X0.14mm²	7.9	27.8	67
6	7X2X0.14mm²	7.9	30.6	71
7	8X2X0.14mm²	8.7	40.4	93
8	10X2X0.14mm²	10.2	49.6	117
9	12X2X0.14mm²	10.6	55.9	133
10	2X2X0.25mm²	6.5	19.9	48
11	3X2X0.25mm²	7.1	25.5	61
12	4X2X0.25mm²	7.7	34.2	74
13	5X2X0.25mm²	8.5	40.6	90
14	6X2X0.25mm²	9.3	47.0	106
15	7X2X0.25mm²	9.3	51.6	113
16	8X2X0.25mm²	10.2	58.0	130
17	10X2X0.25mm²	11.7	71.5	157
18	12X2X0.25mm²	12.2	81.6	180
19	2X2X0.34mm²	7.0	23.9	57

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
20	3X2X0.34mm²	7.5	34.0	72
21	4X2X0.34mm²	8.1	41.9	85
22	5X2X0.34mm²	8.9	50.0	103
23	6X2X0.34mm²	9.8	58.2	122
24	7X2X0.34mm²	9.8	64.4	131
25	8X2X0.34mm²	10.7	72.6	150
26	10X2X0.34mm²	12.5	89.7	188
27	12X2X0.34mm²	12.9	103.1	209
28	1X2X0.5mm²	5.3	17.5	37
29	2X2X0.5mm²	7.6	34.1	71
30	3X2X0.5mm²	8.2	44.8	88
31	4X2X0.5mm²	9.1	55.9	110
32	5X2X0.5mm²	10.0	67.2	133
33	6X2X0.5mm²	11.0	60.5	132
34	7X2X0.5mm²	11.0	69.6	144
35	8X2X0.5mm²	12.0	99.2	194
36	10X2X0.5mm²	14.1	122.8	243
37	12X2X0.5mm²	14.5	142.1	272

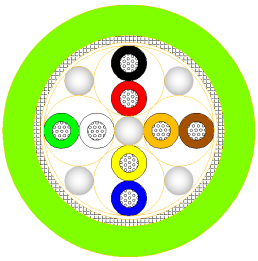
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HPMCE-SP Encoder

CE 认证 PUR 护套柔性伺服编码器反馈专用对绞屏蔽电缆

CE certified PUR sheathed flexible servo encoder feedback special twisted shielded cable



伺服系统编码器
反馈专用电缆
SERVO SYSTEM ENCODER FEEDBACK SPECIAL CABLE

SERVO-HRMCE -SP Encoder

SERVO-HPMCE -SP Encoder



应用范围

这些信号控制电缆适用于伺服控制器和编码器之间的连接线，具有良好的柔软性能，用于移动机械部件，低电容设计，双屏蔽层特别适合需要抗电磁干扰的应用场合，对绞结构有效防止相邻线对之间的串音，使数据传输更加安全可靠。适合在需要出色的机械性能和耐化学性能的工业环境中使用。

Scope of application

These signal control cables are applicable to the connecting lines between the servo controller and the encoder, and have good flexibility. They are used for mobile mechanical parts, low capacitance design. The double screen shielding layer is particularly suitable for applications requiring anti electromagnetic interference. The twisted pair structure effectively prevents crosstalk between adjacent pairs of lines, making data transmission more secure and reliable. Suitable for use in industrial environments where excellent mechanical properties and chemical resistance are required.

产品特性

柔性，易弯曲；
对绞结构可使电路去耦（串音效果）；
电磁兼容 EMC 场合；
低电容设计；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，抗撕裂及切割；
动力拖链使用寿命最高可达 800 万次。

Product characteristics

Flexible, easy to bend;
The twisted pair structure can decouple the circuit (crosstalk effect);
EMC occasions;
Low capacitance design;
Flame retardancy conform to IEC60332-1-2;
Oil resistance shall conform to EN60811-404;
PUR sheath, tear and cutting resistant;
The service life of power towline can reach 8 million times.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 6 类；
PP 芯线绝缘；
芯线绞合成对；
镀锡铜丝编织屏蔽，大约 85% 覆盖率；
PUR 外护套；
外护套绿色（RAL6018），紫色（RAL4001）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Category 6.
PP core insulation.
Core twisted pair.
Tinned copper wire braided shield, about 85% coverage;
PUR outer sheath;
Outer sheath color:green (RAL6018), purple (RAL4001).



技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：＞ 20MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：−40 至+ 80℃；
　　移动安装：−20 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: − 40 to+80 ℃ ;
　　Moved installation: − 20 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　Moved installation: 10X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X2X0.14mm²	5.8	14.7	38
2	3X2X0.14mm²	6.4	18.4	48
3	4X2X0.14mm²	6.9	22.3	56
4	5X2X0.14mm²	7.4	26.3	65
5	6X2X0.14mm²	7.9	27.8	67
6	7X2X0.14mm²	7.9	30.6	71
7	8X2X0.14mm²	8.7	40.4	93
8	10X2X0.14mm²	10.2	49.6	117
9	12X2X0.14mm²	10.6	55.9	133
10	2X2X0.25mm²	6.5	19.9	48
11	3X2X0.25mm²	7.1	25.5	61
12	4X2X0.25mm²	7.7	34.2	74
13	5X2X0.25mm²	8.5	40.6	90
14	6X2X0.25mm²	9.3	47.0	106
15	7X2X0.25mm²	9.3	51.6	113
16	8X2X0.25mm²	10.2	58.0	130
17	10X2X0.25mm²	11.7	71.5	157
18	12X2X0.25mm²	12.2	81.6	180
19	2X2X0.34mm²	7.0	23.9	57

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
20	3X2X0.34mm²	7.5	34.0	72
21	4X2X0.34mm²	8.1	41.9	85
22	5X2X0.34mm²	8.9	50.0	103
23	6X2X0.34mm²	9.8	58.2	122
24	7X2X0.34mm²	9.8	64.4	131
25	8X2X0.34mm²	10.7	72.6	150
26	10X2X0.34mm²	12.5	89.7	188
27	12X2X0.34mm²	12.9	103.1	209
28	1X2X0.5mm²	5.3	17.5	37
29	2X2X0.5mm²	7.6	34.1	71
30	3X2X0.5mm²	8.2	44.8	88
31	4X2X0.5mm²	9.1	55.9	110
32	5X2X0.5mm²	10.0	67.2	133
33	6X2X0.5mm²	11.0	60.5	132
34	7X2X0.5mm²	11.0	69.6	144
35	8X2X0.5mm²	12.0	99.2	194
36	10X2X0.5mm²	14.1	122.8	243
37	12X2X0.5mm²	14.5	142.1	272

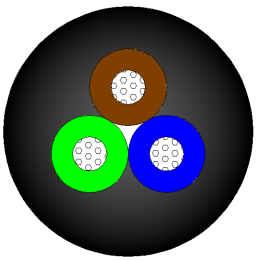
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HRMCE Sensor

CE 认证 PVC 护套柔性伺服传感器专用电缆

CE certified PVC sheathed flexible servo sensor special cable



伺服系统测温
传感器专用电缆
TEMPERATURE SENSOR OF SERVO SYSTEM SPECIAL CABLE

- SERVO-HRMCE Sensor
- SERVO-HPMCE Sensor
- SERVO-HLMCE Sensor



应用范围

这些信号电缆主要用于传感器连接线，适用于M12，M8，电磁阀连接器等各类规格的连接器。

Scope of application

These signal cables are mainly used for sensor connecting wires, and are suitable for M12, M8, solenoid valve connectors and other connectors of various specifications.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance conform to EN50290-2-22 (TM54) standard;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
镀锡铜丝编织屏蔽（屏蔽层可选）；
PVC 外护套；
外护套黑色，黄色（RAL1016）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PVC core wire insulation;
Tinned copper wire braided shield (shield layer optional);
PVC outer sheath;
Outer sheath color:black, yellow (RAL1016).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20M Ω x km；
测试电压：1500V；
电容：约 120nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 70℃；
　　移动安装：-5 至+ 70℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 120nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+70 ℃ ;
　　Moved installation: - 5 to+70 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
SERVO-HRMCE Sensor				
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	2X0.25mm²	4.2	4.5	24
7	3X0.25mm²	4.4	6.8	27
8	4X0.25mm²	4.7	9.0	33
9	5X0.25mm²	5.1	11.3	39
10	6X0.25mm²	5.5	13.5	45
11	2X0.34mm²	4.4	6.1	27
12	3X0.34mm²	4.6	9.2	32
13	4X0.34mm²	5.0	12.2	38
14	5X0.34mm²	5.4	15.3	46
15	6X0.34mm²	5.8	18.3	53
SERVO-HRMCE-S Sensor				
1	2X0.14mm² (S)	4.3	8.7	24
2	3X0.14mm² (S)	4.5	10.5	27
3	4X0.14mm² (S)	4.8	12.5	32
4	5X0.14mm² (S)	5.1	14.7	36
5	6X0.14mm² (S)	5.4	16.9	41
6	2X0.25mm² (S)	5.3	11.5	36
7	3X0.25mm² (S)	5.7	14.2	44
8	4X0.25mm² (S)	5.2	17.3	40
9	5X0.25mm² (S)	5.6	20.5	46
10	6X0.25mm² (S)	6.0	23.8	52
11	2X0.34mm² (S)	4.9	13.6	32
12	3X0.34mm² (S)	5.1	17.2	38
13	4X0.34mm² (S)	5.5	21.2	45
14	5X0.34mm² (S)	5.9	25.2	52
15	6X0.34mm² (S)	6.3	29.4	60

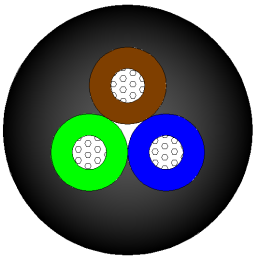
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HPMCE Sensor

CE 认证 PUR 护套柔性伺服传感器专用电缆

CE certified PUR sheathed flexible servo sensor special cable



伺服系统测温
传感器专用电缆
TEMPERATURE SENSOR OF SERVO SYSTEM SPECIAL CABLE

SERVO-HRMCE Sensor

SERVO-HPMCE Sensor

SERVO-HLMCE Sensor



应用范围

这些信号电缆主要用于传感器连接线，适用于M12，M8，电磁阀连接器等各类规格的连接器。具有出色耐化学性能，耐水解的护套。非常适合在油污环境，潮湿环境中使用。

Scope of application

These signal cables are mainly used for sensor connecting wires, and are suitable for M12, M8, solenoid valve connectors and other connectors of various specifications. Jacket with excellent chemical resistance and hydrolysis resistance. It is very suitable for use in oily and humid environments.

产品特性

柔性，易弯曲；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
良好的剥离性；
偶尔移动。

Product characteristics

Flexible, easy to bend;
Flame retardancy conform to IEC60332-1-2;
Oil resistance shall conform to EN60811-404;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PP 芯线绝缘；
镀锡铜丝编织屏蔽（屏蔽层可选）；
PUR 外护套；
外护套黑色，黄色（RAL1016）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
PP core insulation;
Tinned copper wire braided shield (shield layer optional);
PUR outer sheath;
Outer sheath color:black, yellow (RAL1016).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20MΩ x km；
测试电压：1500V；
电容：约 70nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-40 至+ 80℃；
　　移动安装：-20 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 70nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 40 to+80 ℃ ;
　　Moved installation: - 20 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
SERVO-HPMCE Sensor				
1	2X0.14mm²	3.8	2.7	16
2	3X0.14mm²	4.0	4.1	19
3	4X0.14mm²	4.3	5.4	22
4	5X0.14mm²	4.6	6.8	26
5	6X0.14mm²	4.9	8.1	30
6	2X0.25mm²	4.2	4.5	21
7	3X0.25mm²	4.4	6.8	24
8	4X0.25mm²	4.7	9.0	29
9	5X0.25mm²	5.1	11.3	35
10	6X0.25mm²	5.5	13.5	40
11	2X0.34mm²	4.4	6.1	24
12	3X0.34mm²	4.6	9.2	28
13	4X0.34mm²	5.0	12.2	34
14	5X0.34mm²	5.4	15.3	41
15	6X0.34mm²	5.8	18.3	48
SERVO-HPMCE-S Sensor				
1	2X0.14mm² (S)	4.3	8.7	21
2	3X0.14mm² (S)	4.5	10.5	25
3	4X0.14mm² (S)	4.8	12.5	28
4	5X0.14mm² (S)	5.1	14.7	33
5	6X0.14mm² (S)	5.4	16.9	37
6	2X0.25mm² (S)	5.3	11.5	32
7	3X0.25mm² (S)	5.7	14.2	39
8	4X0.25mm² (S)	5.2	17.3	36
9	5X0.25mm² (S)	5.6	20.5	42
10	6X0.25mm² (S)	6.0	23.8	47
11	2X0.34mm² (S)	4.9	13.6	29
12	3X0.34mm² (S)	5.1	17.2	35
13	4X0.34mm² (S)	5.5	21.2	41
14	5X0.34mm² (S)	5.9	25.2	48
15	6X0.34mm² (S)	6.3	29.4	55

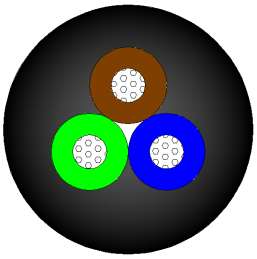
伺服系统电缆
SERVO SYSTEM SPECIAL CABLE

06

SERVO-HLMCE Sensor

CE 认证 无卤柔性伺服传感器专用电缆

CE certified halogen-free flexible servo sensor special cable



伺服系统测温
传感器专用电缆
TEMPERATURE SENSOR OF SERVO SYSTEM SPECIAL CABLE

SERVO-HRMCE Sensor

SERVO-HPMCE Sensor

SERVO-HLMCE Sensor



应用范围

这些信号电缆主要用于传感器连接线，适用于M12，M8，电磁阀连接器等各类规格的连接器。无卤护套，低烟雾密度和减少腐蚀性气体。

Scope of application

These signal cables are mainly used for sensor connecting wires, and are suitable for M12, M8, solenoid valve connectors and other connectors of various specifications. Halogen free sheath, low smoke density and less corrosive gas.

产品特性

阻燃性，符合 IEC60332-1-2；
无卤，符合 IEC60754-1(卤素酸性气体量)；
腐蚀性气体，符合 EN50267-2-3(酸度)；
低烟密度，符合 IEC61034-2；
良好的剥离性；
偶尔移动。

Product characteristics

Flame retardant, conforming to IEC60332-1-2;
Halogen free, conform to IEC60754-1 (halogen acid gas volume);
Corrosive gas, conform to EN50267-2-3 (acidity);
Low smoke density, conforming to IEC61034-2;
Good peeling property;
Occasional movement.

技术认证

CE 认证；
符合 VDE0812；
RoHS，REACH。

Technical certification

CE certification;
conform to VDE0812;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特殊无卤混合物芯线绝缘；
镀锡铜丝编织屏蔽（屏蔽层可选）；
特殊无卤混合物外护套；
外护套黑色，黄色（RAL1016）。

Cable structure

Multi strand stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special halogen-free mixture core wire insulation
Tinned copper wire braided shield (shield layer optional);
Outer sheath of special halogen-free mixture;
Outer sheath color:black, yellow (RAL1016).

技术参数

芯线标识：符合 DIN47100 色标；
额定电压：300V；
绝缘电阻：> 20M Ω x km；
测试电压：1500V；
电容：约 100nF/km；
电感：约 0.65mH/km；
温度范围：
　　固定安装：-30 至+ 80℃；
　　移动安装：-5 至+ 80℃。
最小弯曲半径：
　　固定安装：5X 电缆直径；
　　移动安装：10X 电缆直径。

Technical parameters

Core wire identification:
conform to DIN47100 color code;
Rated voltage: 300V;
Insulation resistance: > 20M Ω x km;
Test voltage: 1500V;
Capacitance: about 100nF/km;
Inductance: about 0.65mH/km;
Temperature range:
　　fixed installation: - 30 to+80 ℃ ;
　　Moved installation: - 5 to+80 ℃ .
Minimum bending radius:
　　fixed installation: 5X cable diameter;
　　Moved installation: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
SERVO-HLMCE Sensor				
1	2X0.14mm²	3.8	2.7	19
2	3X0.14mm²	4.0	4.1	21
3	4X0.14mm²	4.3	5.4	25
4	5X0.14mm²	4.6	6.8	29
5	6X0.14mm²	4.9	8.1	34
6	2X0.25mm²	4.2	4.5	24
7	3X0.25mm²	4.4	6.8	27
8	4X0.25mm²	4.7	9.0	33
9	5X0.25mm²	5.1	11.3	39
10	6X0.25mm²	5.5	13.5	45
11	2X0.34mm²	4.4	6.1	27
12	3X0.34mm²	4.6	9.2	32
13	4X0.34mm²	5.0	12.2	38
14	5X0.34mm²	5.4	15.3	46
15	6X0.34mm²	5.8	18.3	53
SERVO-HLMCE-S Sensor				
1	2X0.14mm² (S)	4.3	8.7	24
2	3X0.14mm² (S)	4.5	10.5	27
3	4X0.14mm² (S)	4.8	12.5	32
4	5X0.14mm² (S)	5.1	14.7	36
5	6X0.14mm² (S)	5.4	16.9	41
6	2X0.25mm² (S)	5.3	11.5	36
7	3X0.25mm² (S)	5.7	14.2	44
8	4X0.25mm² (S)	5.2	17.3	40
9	5X0.25mm² (S)	5.6	20.5	46
10	6X0.25mm² (S)	6.0	23.8	52
11	2X0.34mm² (S)	4.9	13.6	32
12	3X0.34mm² (S)	5.1	17.2	38
13	4X0.34mm² (S)	5.5	21.2	45
14	5X0.34mm² (S)	5.9	25.2	52
15	6X0.34mm² (S)	6.3	29.4	60



WIPOUS®
维普斯

新能源电缆
NEW ENERGY CABLES

应用领域APPLICATION FIELD:

适用于新能源如光伏逆变器链接、光伏供电系统、风力发电系统、储能仓系统等。

Suitable for new energy sources such as photovoltaic inverter links, photovoltaic power supply systems, wind power generation systems, energy storage silo systems, etc.



特点CHARACTERISTIC:

阻燃等级
VW-1，FT4可选
Flame retardant grade VW-1, FT4 optional

可安装于
潮湿环境
Can be installed in a humid environment

耐油性能60℃PR Ⅰ
OR 75℃ PR Ⅱ
Oil resistance 60 ℃ PR Ⅰ or 75 ℃ PR Ⅱ

坚固耐用，抗磨损
Durable and abrasion resistant

优异的耐腐蚀性
Excellent corrosion resistance

抗紫外线性能
UV resistance

耐低温性能-40℃
Low temperature resistance − 40 ℃

电缆外径小
Small cable outer diameter

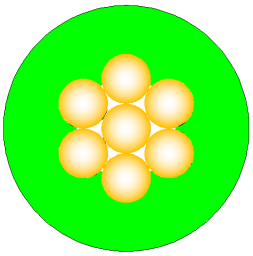
新能源电缆 NEW ENERGY CABLE

07

TW/THW/THW-2/THHW

UL83 认证 建筑用线

UL83 certified building wire



应用范围

该电缆适用于住宅，商业和工业环境的布线系统，用于服务，馈线和分支电路配线的永久安装。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is suitable for wiring systems in residential, commercial and industrial environments, and is used for permanent installation of service, feeder and branch circuit wiring. For export to the North American market using UL/CSA certified cables.

美标 UL83 认证

AMERICAN STANDARD UL83

TW/THW/
THW-2 THHW

THHN/THWN/
THWN-2

产品特性

可选阻燃等级 FT2,FT1,VW-1；
可安装于潮湿环境；
优异的抗老化性能；
优异的抗紫外线性能；

Product characteristics

Optional flame retardant grade FT2, FT1, VW-1;
Can be installed in humid environment;
Excellent anti-aging performance;
Excellent UV resistance.

技术认证

UL/cUL 认证；
符合 UL83，UL1581；
RoHS，REACH；

Technical certification

UL/cUL certification;
conform to UL83, UL1581;
RoHS，REACH.



电缆结构

可选裸铜导体（ASTM B3），镀锡导体（ASTM B33），铝合金导体（AA8000）；
PVC 绝缘；
绝缘颜色可选；

Cable structure

Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33), aluminum alloy conductor (AA8000);
PVC insulation;
Insulation color optional.

技术参数

额定电压：可选 600V；
耐压测试：2000V；
温度范围：-40 至+ 90℃；
最小弯曲半径：
　　固定安装：15X 电缆直径。

Technical parameters

Rated voltage: 600V optional;
Withstand voltage test: 2000V;
Temperature range: - 40 to+90 ℃ ;
Minimum bending radius:
　　fixed installation: 15X cable diameter.



物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	14AWG	7	0.62	0.76	3.4	29
2	12AWG	7	0.77	0.76	3.8	42
3	10AWG	7	0.98	0.76	4.5	63
4	8AWG	7	1.23	1.14	6.0	104
5	6AWG	7	1.55	1.52	7.7	168
6	4AWG	7	1.96	1.52	8.9	252
7	2AWG	7	2.47	1.52	10.5	380
8	1AWG	19	1.68	2.03	12.5	487
9	1/0AWG	19	1.84	2.03	13.3	571
10	2/0AWG	19	2.12	2.03	14.7	736
11	3/0AWG	19	2.39	2.03	16.0	914
12	4/0AWG	37	1.91	2.03	17.4	1117
13	250Kcmil	37	2.09	2.41	19.5	1356
14	300Kcmil	37	2.28	2.41	20.8	1590
15	350Kcmil	37	2.47	2.41	22.1	1844

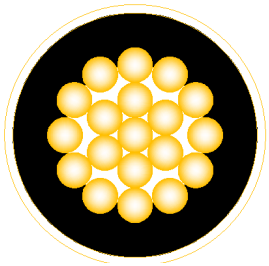
新能源电缆 NEW ENERGY CABLE

07

THHN/THWN/THWN-2

UL83 认证 建筑用尼龙护套线

UL83 certified nylon sheathed building wire



美标 UL83 认证

AMERICAN STANDARD UL83

TW/THW/
THW-2 THHW

THHN/THWN/
THWN-2

应用范围

该电缆适用于住宅，商业和工业环境的布线系统，用于服务，馈线和分支电路配线的永久安装。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is suitable for wiring systems in residential, commercial and industrial environments, and is used for permanent installation of service, feeder and branch circuit wiring. For export to the North American market using UL/CSA certified cables.

产品特性

可选阻燃等级 FT2,FT1,VW-1；
可安装于潮湿环境；
坚固耐用，抗磨损；
优异的耐腐蚀性；
电缆外径小。

Product characteristics

Optional flame retardant grade FT2, FT1, VW-1;
Can be installed in humid environment;
Durable and wear resistant;
Excellent corrosion resistance;
Small cable outer diameter.

技术认证

UL/cUL 认证；
符合 UL83，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL83, UL1581;
RoHS，REACH.



电缆结构

可选裸铜导体（ASTM B3），镀锡导体（ASTM B33），铝合金导体（AA8000）；
PVC/NYLON 绝缘；
绝缘颜色可选。

Cable structure

Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33), aluminum alloy conductor (AA8000);
PVC/NYLON insulation;
Insulation color optional.

技术参数

额定电压：可选 600V；
耐压测试：2000V；
温度范围：-40 至+ 90℃；
最小弯曲半径：
　　固定安装：15X 电缆直径。

Technical parameters

Rated voltage: 600V optional;
Withstand voltage test: 2000V;
Temperature range: - 40 to+90 ℃ ;
Minimum bending radius:
　　fixed installation: 15X cable diameter.



物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	尼龙厚度 mm Nylon thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	18AWG	17	0.254	0.38	0.10	2.2	12
2	16AWG	26	0.254	0.38	0.10	2.5	17
3	14AWG	19	0.37	0.38	0.10	2.9	24
4	12AWG	19	0.47	0.38	0.10	3.4	37
5	10AWG	19	0.59	0.51	0.10	4.3	58
6	8AWG	19	0.73	0.76	0.13	5.5	92
7	6AWG	19	0.92	0.76	0.13	6.5	138
8	4AWG	19	1.19	1.02	0.15	8.4	232
9	2AWG	19	1.5	1.02	0.15	9.9	354
10	1AWG	19	1.68	1.27	0.18	11.4	451
11	1/0AWG	19	1.84	1.27	0.18	12.2	533
12	2/0AWG	19	2.12	1.27	0.18	13.6	693
13	3/0AWG	19	2.39	1.27	0.18	15.0	868
14	4/0AWG	19	2.68	1.27	0.18	16.4	1077
15	250Kcmil	37	2.08	1.52	0.20	18.1	1277
16	300Kcmil	37	2.28	1.52	0.20	19.5	1518
17	350Kcmil	37	2.48	1.52	0.20	20.9	1781
18	400Kcmil	37	2.64	1.52	0.20	22.0	2006
19	500Kcmil	37	2.95	1.52	0.20	24.2	2482

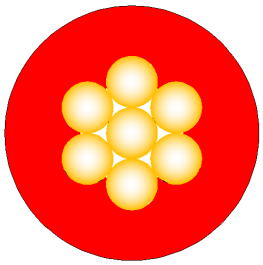
新能源电缆 NEW ENERGY CABLE

07

XHHW XHHW-2 RHW RHW-2 RW75 RW90

UL44 认证 光伏储能电缆

UL44 certified photovoltaic energy storage cable



美标 UL44 认证

AMERICAN STANDARD UL44

XHHW XHHW-2
RHW RHW-2
RW75 RW90

应用范围

该电缆可作为建筑用线，广泛应用于高层建筑、地铁、商业办公等大型公共场所，亦可用于光伏电站，移动储能电站、风电储能系统等新能源领域，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

The cable can be used as a building line and widely used in high-rise buildings, subways, commercial offices and other large public places, as well as in photovoltaic power stations, mobile energy storage power stations, wind power storage systems and other new energy fields. It is targeted at the North American market where UL/CSA certified cables are applied.

产品特性

低烟无卤；
可选阻燃等级 FT2,FT1,VW-1,FT4；
耐潮湿环境不高于 90℃；
优异的抗紫外线；
优异的耐低温。

Product characteristics

Low smoke and halogen-free;
Optional flame retardant grades FT2, FT1, VW-1, FT4;
The humidity resistance shall not be higher than 90 ℃ ;
Excellent UV resistance;
Excellent low temperature resistance.

技术认证

UL/cUL 认证；
符合 UL44，UL1581，UL2556；
RoHS，REACH。

Technical certification

UL/cUL certification;
conform to UL44, UL1581, UL2556;
RoHS，REACH.

电缆结构

可选裸铜导体（ASTM B3）；
镀锡导体（ASTM B33）；
铝合金导体（AA8000）；
XLPE 绝缘；
绝缘颜色可选。

Cable structure

Optional bare copper conductor (ASTM B3);
tinned conductor (ASTM B33);
aluminum alloy conductor (AA8000);
XLPE insulation;
Insulation color optional.

技术参数

额定电压：可选 600V，1000V，2000V；
耐压测试：根据规格和额定电压不同，试验电压从 3KV 至 10KV 不等；
温度范围：-40 至+ 90℃；
最小弯曲半径：
　　固定安装：15X 电缆直径。

Technical parameters

Rated voltage: 600V, 1000V, 2000V;
Withstand voltage test: the test voltage varies from 3KV to 10KV according to different specifications and rated voltages;
Temperature range: - 40 to+90 ℃ ;
Minimum bending radius:
　　fixed installation: 15X cable diameter.





物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
XHHW/XHHW-2 600V						
1	14AWG	7	0.62	0.76	3.5	30
2	12AWG	7	0.78	0.76	3.9	44
3	10AWG	7	0.98	0.76	4.6	65
4	8AWG	7	1.23	1.14	6.2	107
5	6AWG	7	1.56	1.14	7.1	160
6	4AWG	7	1.96	1.14	8.5	238
7	2AWG	7	2.47	1.14	10.0	370
8	1AWG	19	1.69	1.4	11.5	483
9	1/0AWG	19	1.89	1.4	12.6	574
10	2/0AWG	19	2.13	1.4	13.7	710
11	3/0AWG	19	2.39	1.4	15.0	917
12	4/0AWG	19	2.68	1.4	16.5	1093
13	250Kcmil	37	2.07	1.65	18.3	1296
14	300Kcmil	37	2.27	1.65	19.7	1537
15	350Kcmil	37	2.45	1.65	21.0	1777
16	400Kcmil	37	2.62	1.65	22.2	2108
17	450Kcmil	37	2.78	1.65	23.3	2358
18	500Kcmil	37	2.93	1.65	24.3	2490
RHW/RHW-2 2000V						
1	14AWG	7	0.62	1.52	5.0	46
2	12AWG	7	0.78	1.52	5.5	62
3	10AWG	7	0.98	1.52	6.1	85
4	8AWG	7	1.23	1.78	7.5	127
5	6AWG	7	1.56	1.78	8.4	182
6	4AWG	7	1.96	1.78	9.8	267
7	2AWG	7	2.47	1.78	11.3	401
8	1AWG	19	1.69	2.29	13.3	537
9	1/0AWG	19	1.89	2.29	14.3	636
10	2/0AWG	19	2.13	2.29	15.5	777
11	3/0AWG	19	2.39	2.29	16.8	987
12	4/0AWG	19	2.68	2.29	18.3	1174
13	250Kcmil	37	2.07	2.67	20.4	1399
14	300Kcmil	37	2.27	2.67	21.7	1647
15	350Kcmil	37	2.45	2.67	23.0	1893
16	400Kcmil	37	2.62	1.65	22.2	2108
17	450Kcmil	37	2.78	1.65	23.3	2358
18	500Kcmil	37	2.93	2.67	26.4	2624

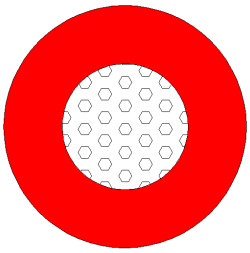
新能源电缆 NEW ENERGY CABLE

07

AWM 11627

UL758 认证 储能高压线 2000V

UL758 certification energy storage high-voltage cable 2000V



美标 UL785 认证

AMERICAN STANDARD UL785

11627

10269



应用范围

该电缆主要作为动力储能线使用，广泛应用于工业储能系统、户用储能系统、集装箱式储能等新能源领域，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

The cable is mainly used as power energy storage cable, and is widely used in industrial energy storage system, household energy storage system, container-type energy storage and other new energy fields, aiming at export to the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃等级 VW-1；
耐热性能优异，可达 105℃。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Excellent heat resistance, up to 105 ℃ .

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Conform to UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝）；
特制 PVC 绝缘；
绝缘颜色可选。

Cable structure

Multi strand stranded tinned copper
（or bare copper);
Special PVC insulation;
Insulation color is optional.

技术参数

额定电压：2000V；
测试电压：5000V；
额定温度：105℃；
最小弯曲半径：5X 电缆直径。

Technical parameters

Rated voltage: 2000V;
Test voltage: 5000V;
Rated temperature: 105 ℃ ;
Minimum bending radius: 5X cable diameterr.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	22AWG	17	0.16	0.76	2.35	9
2	20AWG	26	0.16	0.76	2.55	12
3	18AWG	41	0.16	0.76	2.80	16
4	16AWG	26	0.25	0.76	3.05	21
5	14AWG	41	0.25	0.76	3.45	29
6	12AWG	65	0.25	0.76	3.95	42
7	10AWG	105	0.25	0.76	5.0	66
8	8AWG	168	0.25	1.15	6.7	111
9	6AWG	266	0.25	1.53	8.5	177
10	4AWG	437	0.25	1.53	10.0	268
11	2AWG	646	0.25	1.53	11.5	375
12	1AWG	847	0.25	2.03	13.7	508
13	1/0AWG	1050	0.25	2.03	15.0	622
14	2/0AWG	1349	0.25	2.03	16.3	770
15	3/0AWG	1702	0.25	2.03	18.0	957
16	4/0AWG	2146	0.25	2.03	19.3	1162
17	250Kcmil	2546	0.25	2.41	21.2	1390
18	300Kcmil	3096	0.25	2.41	22.9	1680
19	350Kcmil	1393	0.4	2.41	24.1	1911
20	400Kcmil	1592	0.4	2.41	25.4	2160
21	450Kcmil	1790	0.4	2.41	26.7	2410
22	500Kcmil	1989	0.4	2.41	27.8	2623

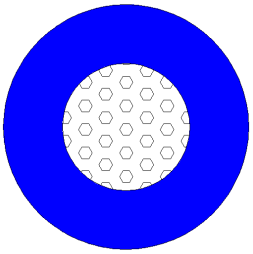
新能源电缆 NEW ENERGY CABLE

07

AWM 10269

UL758 认证 光伏逆变器连接线 1000V

UL758 certification PV inverter connection cable 1000V



美标 UL785 认证

AMERICAN STANDARD UL785

11627

10269

应用范围

该电缆广泛应用于光伏发电储能系统，太阳能控制器、太阳能蓄电池、逆变器设备内部的连接线路，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

The cable is widely used in photovoltaic power generation and energy storage system, solar controller, solar battery, and internal connection cable of inverter equipment, aiming at export to the North American market where UL/CSA certified cables are applied.

产品特性

柔性，易弯曲；
阻燃等级 VW-1；
耐热性能优异，可达 105℃。

Product characteristics

Flexible, easy to bend;
Flame retardant conform to FT1, VW-1;
Excellent heat resistance, up to 105 ℃ .

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Conform to UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝）；
特制 PVC 绝缘；
绝缘颜色可选。

Cable structure

Multi strand stranded tinned copper (or bare copper);
Special PVC insulation;
Insulation color is optional.

技术参数

额定电压：1000V；
测试电压：3000V；
额定温度：80℃，90℃，105℃；
最小弯曲半径：5X 电缆直径。

Technical parameters

Rated voltage: 1000V;
Test voltage: 3000V;
Rated temperature: 80 ℃ , 90 ℃ , 105 ℃ ;
Minimum bending radius: 5X cable diameter.





物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	22AWG	17	0.16	0.76	2.35	9
2	20AWG	26	0.16	0.76	2.55	12
3	18AWG	41	0.16	0.76	2.80	16
4	16AWG	26	0.25	0.76	3.05	21
5	14AWG	41	0.25	0.76	3.45	29
6	12AWG	65	0.25	0.76	3.95	42
7	10AWG	105	0.25	0.76	5.0	66
8	8AWG	168	0.25	1.15	6.7	111
9	6AWG	266	0.25	1.53	8.5	177
10	4AWG	437	0.25	1.53	10.0	268
11	2AWG	646	0.25	1.53	11.5	375
12	1AWG	847	0.25	2.03	13.7	508
13	1/0AWG	1050	0.25	2.03	15.0	622
14	2/0AWG	1349	0.25	2.03	16.3	770
15	3/0AWG	1702	0.25	2.03	18.0	957
16	4/0AWG	2146	0.25	2.03	19.3	1162
17	250Kcmil	2546	0.25	2.41	21.2	1390
18	300Kcmil	3096	0.25	2.41	22.9	1680
19	350Kcmil	1393	0.4	2.41	24.1	1911
20	400Kcmil	1592	0.4	2.41	25.4	2160
21	450Kcmil	1790	0.4	2.41	26.7	2410
22	500Kcmil	1989	0.4	2.41	27.8	2623

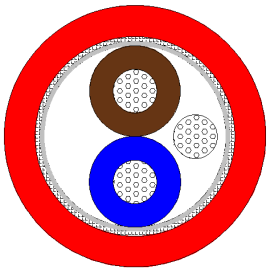
新能源电缆 NEW ENERGY CABLE

07

FPL FPLR

UL1424 认证 功率限止火灾报警电路电缆

UL1424 certified power limit fire alarm circuit cable



美标 UL1424 认证

AMERICAN STANDARD UL1424

FPL FPLR

FPL FPLR (LSZH)



应用范围

UL1424 标准火灾报警线是一种符合 UL（美国安全实验室）标准的火灾报警系统中使用的电线。它具有耐火、耐高温和耐燃烧的特性，能够在火灾发生时提供可靠的信号传输。该标准要求火灾报警线的绝缘材料具有一定的耐火时间，以保证在火灾情况下仍能正常工作。UL1424 标准火灾报警线广泛应用于建筑物、商业场所和住宅等各种场合，用于连接火灾探测器、报警设备和控制面板，确保火灾报警系统的正常运行和及时响应。

产品特性

轻便、容易安装、布线及占地面积小等特点；
采用高阻燃性能的绝缘和护套材料，电缆的自熄性强；
采用护套押制，易于电缆安装剥皮；
符合 CM,CMR 阻燃等级。

技术认证

UL 认证
符合 UL1424 标准
RoHS，REACH。

电缆结构

实心或多股铜导体；
高阻燃 PVC 芯线绝缘；
铝箔麦拉；
镀锡铜丝排流线（可选）；
镀锡铜丝编织层（可选）；
高阻燃 PVC 护套；
外护套红色（RAL3000）。

技术参数

芯线标识：符合国际色规；
额定电压：300V；
额定温度：60℃ OR 75℃ OR 105℃；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
最小弯曲半径：15X 电缆直径。

Scope of application

UL1424 standard fire alarm wire is a type of wire used in fire alarm systems that complies with UL (American Safety Laboratory) standards. It has the characteristics of fire resistance, high temperature resistance, and combustion resistance, and can provide reliable signal transmission in the event of a fire. This standard requires the insulation material of fire alarm lines to have a certain fire resistance time to ensure normal operation in the event of a fire. UL1424 standard fire alarm lines are widely used in various occasions such as buildings, commercial places, and residential areas, to connect fire detectors, alarm equipment, and control panels, ensuring the normal operation and timely response of fire alarm systems.

Product characteristics

Features such as lightweight, easy installation, wiring, and small footprint;
Using high flame retardant green insulation and sheath materials, the cable has strong self extinguishing properties;
Adopting protective sheath for easy installation of cables with leftover skin;
Compliant with CM and CMR flame retardant rating.

Technical certification

UL certification;
Complies with UL1424 standard;
RoHS，REACH.

Cable structure

Solid or stranded copper conductors;
High flame retardant PVC core wire insulation;
Aluminum foil Mylar;
Tin plated copper wire drain wire (optional);
Tin plated copper wire braided layer (optional);
High flame retardant PVC sheath;
Outer sheath red (RAL3000).

Technical parameters

Core wire identification:
in compliance with international color standards;
Rated voltage: 300V;
Rated temperature: 60 ℃ OR 75 ℃ OR 105 ℃ ;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	2X24AWG	3.5	3.7	17.8
2	3X24AWG	3.6	5.5	20.6
3	4X24AWG	3.8	7.4	23.8
4	5X24AWG	4.1	9.2	27.8
5	2X22AWG	3.8	5.8	21.2
6	3X22AWG	4.0	8.7	26.0
7	4X22AWG	4.2	11.6	30.3
8	5X22AWG	4.5	14.5	35.2
9	2X20AWG	4.2	9.3	27.3
10	3X20AWG	4.4	14.0	34.1
11	4X20AWG	4.6	18.6	39.9
12	5X20AWG	5.0	23.3	47.6
13	2X18AWG	4.6	14.8	34.4
14	3X18AWG	4.8	22.1	43.9
15	4X18AWG	5.1	29.5	53.2
16	5X18AWG	5.6	36.9	64.7
17	2X16AWG	5.1	23.6	46.3
18	3X16AWG	5.4	35.4	61.4
19	4X16AWG	5.7	47.2	74.7
20	5X16AWG	6.2	59.0	90.2
21	2X14AWG	5.8	37.7	63.6
22	3X14AWG	6.1	56.6	85.6
23	4X14AWG	6.6	75.4	108.1
24	5X14AWG	7.2	94.3	131.5
25	2X12AWG	6.8	59.6	92.4
26	3X12AWG	7.2	89.4	127.0
27	4X12AWG	7.8	119.3	161.4
28	5X12AWG	8.5	149.1	196.5
29	2X10AWG	7.8	94.5	131.5
30	3X10AWG	8.3	141.7	184.7
31	4X10AWG	9.0	188.9	236.7
32	5X10AWG	10.0	236.1	293.7

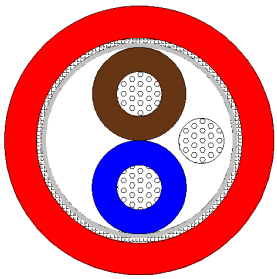
新能源电缆 NEW ENERGY CABLE

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FPL FPLR(LSZH)

UL1424 认证 功率限止火灾报警电路电缆

UL1424 certified power limit fire alarm circuit cable

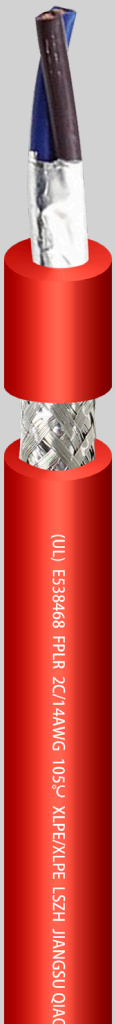


美标 UL1424 认证

AMERICAN STANDARD UL1424

FPL FPLR

FPL FPLR (LSZH)



应用范围

UL1424 标准火灾报警线是一种符合 UL（美国安全实验室）标准的火灾报警系统中使用的电线。它具有耐火、耐高温和耐燃烧的特性，能够在火灾发生时提供可靠的信号传输。该标准要求火灾报警线的绝缘材料具有一定的耐火时间，以保证在火灾情况下仍能正常工作。UL1424 标准火灾报警线广泛应用于建筑物、商业场所和住宅等各种场合，用于连接火灾探测器、报警设备和控制面板，确保火灾报警系统的正常运行和及时响应。

Scope of application

UL1424 standard fire alarm wire is a type of wire used in fire alarm systems that complies with UL (American Safety Laboratory) standards. It has the characteristics of fire resistance, high temperature resistance, and combustion resistance, and can provide reliable signal transmission in the event of a fire. This standard requires the insulation material of fire alarm lines to have a certain fire resistance time to ensure normal operation in the event of a fire. UL1424 standard fire alarm lines are widely used in various occasions such as buildings, commercial places, and residential areas, to connect fire detectors, alarm equipment, and control panels, ensuring the normal operation and timely response of fire alarm systems.

产品特性

轻便、容易安装、布线及占地面积小等特点；
采用高阻燃性能的绝缘和护套材料，电缆的自熄性强；
采用护套押制，易于电缆安装剥皮；
符合低烟无卤特性；
符合 CM,CMR 阻燃等级。

Product characteristics

Features such as lightweight, easy installation, wiring, and small footprint;
Using high flame retardant green insulation and sheath materials, the cable has strong self extinguishing properties;
Compliant with low smoke and halogen-free characteristics;
Compliant with CM and CMR flame retardant rating.

技术认证

UL 认证；
符合 UL1424 标准；
RoHS，REACH。

Technical certification

UL certification;
Complies with UL1424 standard;
RoHS,REACH.

电缆结构

实心或多股铜导体；
低烟无卤 XLPE 芯线绝缘；
铝箔麦拉（可选）；
镀锡铜丝排流线（可选）；
镀锡铜丝编织层（可选）；
低烟无卤 XLPE 护套；
外护套红色（RAL3000）。

Cable structure

Solid or stranded copper conductors;
Low smoke halogen-free XLPE core wire insulation;
Aluminum foil Mylar;
Tin plated copper wire drain wire (optional);
Tin plated copper wire braided layer (optional);
Low smoke halogen-free XLPE sheath;
Outer sheath red (RAL3000).

技术参数

芯线标识：符合国际色规；
额定电压：300V；
额定温度：60℃ OR 75℃ OR 105℃；
绝缘电阻：> 20MΩ x km；
测试电压：2000V；
最小弯曲半径：
软导体 7X 电缆直径，硬导体 15X 电缆直径。

Technical parameters

Core wire identification:
in compliance with international color standards;
Rated voltage: 300V;
Rated temperature: 60 ℃ OR 75 ℃ OR 105 ℃ ;
Insulation resistance: > 20M Ω x km;
Test voltage: 2000V;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	2X24AWG	4.9	3.7	29.0
2	3X24AWG	5.1	5.5	34.6
3	4X24AWG	5.5	7.4	41.0
4	5X24AWG	6.0	9.2	47.6
5	2X22AWG	5.1	5.8	33.0
6	3X22AWG	5.4	8.7	40.1
7	4X22AWG	5.8	11.6	48.1
8	5X22AWG	6.3	14.5	56.2
9	2X20AWG	5.5	9.3	39.0
10	3X20AWG	5.8	14.0	48.5
11	4X20AWG	6.2	18.6	58.8
12	5X20AWG	6.8	23.3	69.4
13	2X18AWG	5.9	14.8	47.6
14	3X18AWG	6.2	22.1	60.4
15	4X18AWG	6.7	29.5	74.3
16	5X18AWG	7.3	36.9	88.4
17	2X16AWG	6.4	23.6	60.4
18	3X16AWG	6.8	35.4	78.6
19	4X16AWG	7.4	47.2	97.9
20	5X16AWG	8.1	59.0	117.5
21	2X14AWG	7.1	37.7	79.5
22	3X14AWG	7.5	56.6	105.9
23	4X14AWG	8.2	75.4	133.5
24	5X14AWG	9.0	94.3	161.5
25	2X12AWG	8.0	59.6	107.6
26	3X12AWG	8.4	89.4	146.3
27	4X12AWG	9.2	119.3	186.6
28	5X12AWG	10.1	149.1	227.2
29	2X10AWG	9.0	94.5	150.2
30	3X10AWG	9.6	141.7	208.1
31	4X10AWG	10.5	188.9	267.8
32	5X10AWG	11.5	236.1	328.0

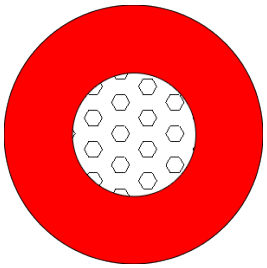
新能源电缆 NEW ENERGY CABLE

07

ESL 10Z3-K

TUV 认证 XLPO 绝缘储能电缆 1000Vdc

TÜV Rheinland certified XLPO insulated energy storage cable, 1000Vdc



莱茵 TUV 认证

TÜV RHEINLAND

- ESL/10Z3-K
- ESL/15Z3-K
- ESL/P10Z3Z3-K
- ESL/P15Z3Z3-K



应用范围

储能电站（集中式 / 分布式），电池储能集装箱 / 舱体，电动交通储能配套，移动储能设备，可再生能源配套储能，工业储能与备用电源等。

Scope of application

Energy storage power stations (centralized / distributed), battery energy storage containers / cabins, energy storage supporting facilities for electric transportation, mobile energy storage equipment, energy storage supporting renewable energy, industrial energy storage and backup power supplies, etc.

产品特性

阻燃性符合 EN 60332-1-2；
抗老化性能，适应储能系统长期充放电循环的工况；
适用于室内和室外安装；
抗 UV 性能优异。

Product characteristics

Flame retardancy conform to EN 60332-1-2;
Anti-aging performance, suitable for the long-term charge-discharge cycle conditions of energy storage systems;
Suitable for both indoor and outdoor installation;
Excellent UV resistance.

技术认证

符合 TUV 认证 2PfG 2693；
RoHS,REACH。

Technical certification

conform to TUV certification 2PfG 2693;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 (5 类)；
XLPO 芯线绝缘；
外护套黑色，红色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 5);
XLPO core insulation;
Outer sheath: black, red optional.

技术参数

导体电阻：符合 IEC60228 标准；
额定电压：1000V DC；
额定温度：125℃；
测试电压：4500V/5min；
温度范围：-40 至 +125℃；
最小弯曲半径：6x 电缆直径。

Technical parameters

Conductor resistance:
conform to IEC 60228 standard;
Rated voltage: 1000V DC;
Rated temperature: 125℃ ;
Test voltage: 4500V/5min;
Temperature range: -40 to +125℃ ;
Minimum bending radius: 6x cable diameter.



物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X4mm²	3.8	37	46
2	1X6mm²	4.4	54	65
3	1X10mm²	5.8	92	110
4	1X16mm²	7.2	147	173
5	1X25mm²	8.6	229	261
6	1X35mm²	10.2	321	363
7	1X50mm²	12.2	458	520
8	1X70mm²	14.3	641	721
9	1X95mm²	16.8	871	984
10	1X120mm²	18.5	1099	1225
11	1X150mm²	20.7	1375	1535
12	1X185mm²	23.1	1696	1896
13	1X240mm²	26.0	2200	2439

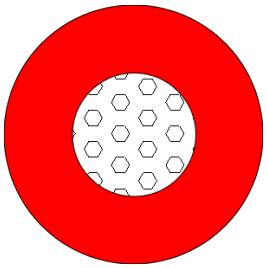
新能源电缆 NEW ENERGY CABLE

07

ESL 15Z3-K

TUV 认证 XLPO 绝缘 XLPO 护套储能电缆 1500Vdc

TUV certified XLPO insulated XLPO sheathed energy storage cable 1500Vdc



莱茵 TUV 认证

TÜV RHEINLAND

- ESL/10Z3-K
- ESL/15Z3-K
- ESL/P10Z3Z3-K
- ESL/P15Z3Z3-K



应用范围

储能电站（集中式 / 分布式），电池储能集装箱 / 舱体，电动交通储能配套，移动储能设备，可再生能源配套储能，工业储能与备用电源等。

Scope of application

Energy storage power stations (centralized / distributed), battery energy storage containers / cabins, energy storage supporting facilities for electric transportation, mobile energy storage equipment, energy storage supporting renewable energy, industrial energy storage and backup power supplies, etc.

产品特性

阻燃性符合 EN 60332-1-2；
抗老化性能，适应储能系统长期充放电循环的工况；
适用于室内和室外安装；
抗 UV 性能优异。

Product characteristics

Flame retardancy conform to EN 60332-1-2;
Anti-aging performance, suitable for the long-term charge-discharge cycle conditions of energy storage systems;
Suitable for both indoor and outdoor installation;
Excellent UV resistance.

技术认证

符合 TUV 认证 2PfG 2693；
RoHS,REACH。

Technical certification

Conform to TUV certification 2PfG 2693;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228 (5 类)；
XLPO 芯线绝缘；
外护套黑色，红色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 5);
XLPO core insulation;
Outer sheath: black, red optional.

技术参数

导体电阻：符合 IEC60228 标准；
额定电压：1500V DC；
额定温度：125℃；
测试电压：6000V/5min；
温度范围：-40 至 +125℃；
最小弯曲半径：6x 电缆直径。

Technical parameters

Conductor resistance:
conform to IEC 60228 standard;
Rated voltage: 1500V DC;
Rated temperature: 125℃ ;
Test voltage: 6000V/5min;
Temperature range: -40 to +125℃ ;
Minimum bending radius: 6x cable diameter.



物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X4mm²	5.2	37	62
2	1X6mm²	5.8	54	84
3	1X10mm²	7.5	92	139
4	1X16mm²	8.7	147	203
5	1X25mm²	10.6	229	310
6	1X35mm²	12.0	321	414
7	1X50mm²	13.6	458	567
8	1X70mm²	15.6	641	770
9	1X95mm²	18.0	871	1037
10	1X120mm²	19.8	1099	1288
11	1X150mm²	22.0	1375	1606
12	1X185mm²	24.0	1696	1949
13	1X240mm²	27.1	2200	2513

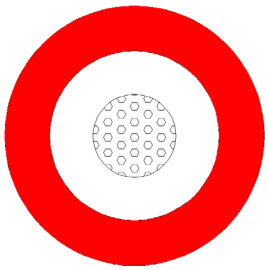
新能源电缆 NEW ENERGY CABLE

07

ESL P10Z3Z3-K

TUV 认证 XLPO 绝缘 XLPO 护套储能电缆 1000Vdc

TUV certified XLPO insulated XLPO sheathed energy storage cable 1000Vdc



莱茵 TUV 认证

TÜV RHEINLAND

ESL/10Z3-K

ESL/15Z3-K

ESL/P10Z3Z3-K

ESL/P15Z3Z3-K



应用范围

储能电站（集中式 / 分布式），电池储能集装箱 / 舱体，电动交通储能配套，移动储能设备，可再生能源配套储能，工业储能与备用电源等。

Scope of application

Energy storage power stations (centralized / distributed), battery energy storage containers / cabins, energy storage supporting facilities for electric transportation, mobile energy storage equipment, energy storage supporting renewable energy, industrial energy storage and backup power supplies, etc.

产品特性

阻燃性符合 EN 60332-1-2；
抗老化性能，适应储能系统长期充放电循环的工况；
适用于室内和室外安装；
抗 UV 性能优异。

Product characteristics

Flame retardancy conform to EN 60332-1-2;
Anti-aging performance, suitable for long-term charge-discharge cycle conditions of energy storage systems;
Applicable for both indoor and outdoor installation;
Excellent UV resistance.

技术认证

符合 TUV 认证 2 PfG 2693；
RoHS,REACH。

Technical certification

Conform to TUV certification 2 PfG 2693;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228(5 类)；
低烟无卤 XLPO 芯线绝缘（白色）；
低烟无卤 XLPO 护套；
外护套黑色，红色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 5);
Low-smoke halogen-free XLPO core insulation(white);
Low-smoke halogen-free XLPO sheath;
Outer sheath: black, red optional.



技术参数

导体电阻：符合 IEC60228 标准；
额定电压：1000V DC；
额定温度：125℃；
测试电压：4500V/5min；
温度范围：−40 至 +125℃；
最小弯曲半径：6x 电缆直径。

Technical parameters

Conductor resistance:
conform to IEC 60228 standard;
Rated voltage: 1000V DC;
Rated temperature: 125℃;
Test voltage: 4500V/5min;
Temperature range: −40 to +125℃;
Minimum bending radius: 6x cable diameter.

物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X4mm²	4.7	37	56
2	1X6mm²	5.7	54	82
3	1X10mm²	7.4	92	136
4	1X16mm²	9.0	147	209
5	1X25mm²	10.6	229	309
6	1X35mm²	12.5	321	428
7	1X50mm²	14.5	458	596
8	1X70mm²	16.6	641	809
9	1X95mm²	19.0	871	1081
10	1X120mm²	20.9	1099	1341
11	1X150mm²	23.1	1375	1665
12	1X185mm²	25.9	1696	2065
13	1X240mm²	28.8	2200	2628

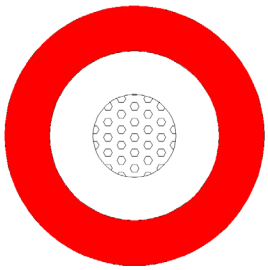
新能源电缆 NEW ENERGY CABLE

07

ESL P15Z3Z3-K

TUV 认证 储能线 ESP/L15Z3Z3-K -40-125℃ 1500V DC

TUV Certified Energy Storage Cable ESP/L15Z3Z3-K -40-125℃ 1500V DC



莱茵 TUV 认证

TÜV RHEINLAND

ESL/10Z3-K

ESL/15Z3-K

ESL/P10Z3Z3-K

ESL/P15Z3Z3-K



应用范围

储能电站（集中式 / 分布式），电池储能集装箱 / 舱体，电动交通储能配套，移动储能设备，可再生能源配套储能，工业储能与备用电源等

Scope of application

Energy storage power stations (centralized / distributed), battery energy storage containers / cabins, energy storage supporting facilities for electric transportation, mobile energy storage equipment, energy storage supporting renewable energy, industrial energy storage and backup power supplies, etc.

产品特性

阻燃性符合 EN 60332-1-2；
抗老化性能，适应储能系统长期充放电循环的工况；
适用于室内和室外安装；
抗 UV 性能优异。

Product characteristics

Flame retardancy conform to the requirements of EN 60332-1-2;
Anti-aging performance, adapting to the long-term charge-discharge cycle conditions of energy storage systems;
Suitable for both indoor and outdoor installation;
Excellent UV resistance.

技术认证

符合 TUV 认证 2 PfG 2693；
RoHS,REACH。

Technical certification

Conform to TUV certification 2 PfG 2693;
RoHS, REACH.

电缆结构

裸铜丝，符合 IEC60228(5 类)；
低烟无卤 XLPO 芯线绝缘（白色）；
低烟无卤 XLPO 护套；
外护套黑色，红色可选。

Cable structure

Bare copper, conform to IEC 60228 (Class 5);
Low-smoke and halogen-free XLPO core insulation(white);
Low-smoke and halogen-free XLPO sheath;
Outer sheath: black, with red as an option.



技术参数

导体电阻：符合 IEC60228 标准；
额定电压：1500V DC；
额定温度：125℃；
测试电压：6000V/5min；
温度范围：−40 至 +125℃；
最小弯曲半径：6x 电缆直径。

Technical parameters

Conductor resistance:
conform to IEC 60228 standard;
Rated voltage: 1500V DC;
Rated temperature: 125℃ ;
Test voltage: 6000V/5min;
Temperature range: −40 to +125℃ ;
Minimum bending radius: 6x cable diameter.

物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X4mm²	7.9	37	106
2	1X6mm²	8.5	54	131
3	1X10mm²	10.2	92	198
4	1X16mm²	11.4	147	270
5	1X25mm²	13.2	229	387
6	1X35mm²	14.9	321	511
7	1X50mm²	16.5	458	675
8	1X70mm²	18.4	641	888
9	1X95mm²	20.8	871	1171
10	1X120mm²	22.7	1099	1440
11	1X150mm²	24.9	1375	1774
12	1X185mm²	27.1	1696	2145
13	1X240mm²	30.4	2200	2747

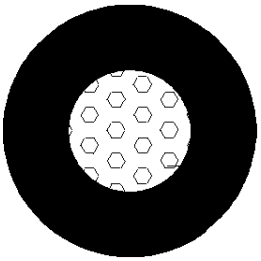
新能源电缆 NEW ENERGY CABLE

07

ESW06V2-K

TUV 标准聚氯乙烯绝缘无护套储能电缆 600V 临时室外应用

TUV Standard PVC Insulated Unsheathed Energy Storage Cable 600V Temporary Outdoor Application



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

- ESW06V2-K
- ES-RYJYJ-125
- ES-RYJ-125
- ES-H15ZZ-F
- ES-H15Z-F

应用范围

电力储能系统用电池连接电缆主要用于电力储能系统中直流侧的电池模块之间、电池簇之间、电池簇与汇流箱及电池簇与储能变流器之间的连接。

Scope of application

The battery connection cable used in the power energy storage system is mainly used for the connection between battery modules on the DC side, between battery clusters, between battery clusters and combiner boxes, and between battery clusters and energy storage converters in the power energy storage system.

产品特性

应用于直流系统，额定电压为 DC600V；
单层结构，适合无外部机械损伤的场合；
室内应用或临时室外应用；
最高耐温等级为 90℃；
耐高低温环境、耐电池酸；
燃烧性能 IEC60332-1-2；
使用寿命：在 60℃以下超过 25 年。

Product characteristics

Applied to DC systems with a rated voltage of DC600V;
Single layer structure, suitable for situations without external mechanical damage;
Indoor or temporary outdoor applications;
The highest temperature resistance level is 90 ℃ ;
Resistant to high and low temperature environments and battery acid;
Combustion performance IEC60332-1-2;
Service life: Over 25 years below 60 ℃ .

技术认证

TUV 莱茵认证；
符 合 TUV 2Pfg 2693，EN60228:class5 ，IEC60332-1-2；
RoHS，REACH。

Technical certification

TUV Certification;
Conform to TUV 2Pfg 2693, EN60228: class5, IEC60332-1-2;
RoHS，REACH.



电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
90 度 PVC 绝缘；
颜色任意。

Cable structure

Multi strand stranded bare copper or tinned copper, complying with IEC60228 standard, Class 5 conductor;
125 degree XLPO insulation ;
Sheath color Red or Black.

技术参数

额定电压：DC:600V；
测试电压：3500V/5min；
温度范围：-40 至+ 90℃；
导体最高温度：+ 90℃；
短路最高温度：+ 160℃；
最小弯曲半径：
OD < 8mm：4X 电缆直径；
OD ≥ 8mm：6X 电缆直径。

Technical parameters

Rated voltage: DC: 600V;
Test voltage: 3500V/5min;
Temperature range: - 40 to+90 ℃ ;
Maximum conductor temperature: + 90 ℃ ;
Maximum short-circuit temperature: + 160 ℃ ;
Minimum bending radius:
OD < 8mm: 4X cable diameter;
OD ≥ 8mm: 6X cable diameter.



物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	4mm²	82	0.25	1.0	2.4	56
2	6mm²	122	0.25	1.0	2.4	78
3	10mm²	204	0.25	1.0	2.5	122
4	16mm²	326	0.25	1.0	2.5	183
5	25mm²	510	0.25	1.2	3.0	285
6	35mm²	713	0.25	1.2	3.0	386
7	50mm²	1018	0.25	1.4	3.4	547
8	70mm²	1426	0.25	1.4	3.4	745

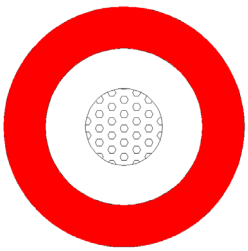
新能源电缆 NEW ENERGY CABLE

07

ES-RYJYJ-125

CQC 标准辐照交联绝缘护套储能电缆 1500V

CQC standard irradiation cross-linked insulated sheathed energy storage cable 1500V



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

ESW06V2-K
ES-RYJYJ-125
ES-RYJ-125
ES-H15ZZ-F
ES-H15Z-F

应用范围

电力储能系统用电池连接电缆主要用于电力储能系统中直流侧的电池模块之间、电池簇之间、电池簇与汇流箱及电池簇与储能变流器之间的连接。

Scope of application

The battery connection cable used in the power energy storage system is mainly used for the connection between battery modules on the DC side, between battery clusters, between battery clusters and combiner boxes, and between battery clusters and energy storage converters in the power energy storage system.

产品特性

应用于直流系统，额定电压为 DC1500V；
双层结构，机械强度高，适合有外部机械损伤的场合；
最高耐温等级为 125℃；
耐高低温环境、耐化学试剂、耐电池酸；
燃烧性能 IEC60332-1-2；
使用寿命：在 90℃以下超过 25 年。

Product characteristics

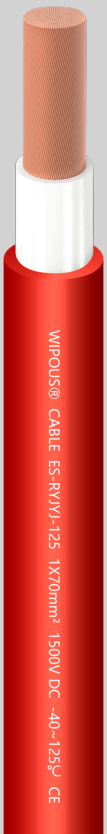
Applied to DC systems with a rated voltage of DC1500V;
Double layered structure with high mechanical strength, suitable for situations with external mechanical damage;
The highest temperature resistance level is 125 ℃ ;
Resistant to high and low temperature environments, chemical reagents, and battery acid;
Combustion performance IEC60332-1-2;
Service life: Over 25 years below 90 ℃ .

技术认证

符合 CQC1143&PPP58049A，
IEC60228:class5 ，IEC60332-1-2；
RoHS，REACH。

Technical certification

Complies with CQC1143&PPP58049A, IEC60228: class5, IEC60332-1-2;
RoHS，REACH.



电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
125 度 XLPO 绝缘（白色）；
125 度 XLPO 护套；
护套颜色红色或黑色。

Cable structure

Multi strand stranded bare copper or tinned copper, complying with IEC60228 standard, Class 5 conductor;
125 degree XLPO insulation (white);
125 degree XLPO sheath;
Sheath color Red or Black.

技术参数

额定电压：DC:1500V；
测试电压：6500V/5min；
温度范围：-40 至+ 125℃；
导体最高温度：+ 120℃；
短路最高温度：+ 250℃；
最小弯曲半径：6X 电缆直径。

Technical parameters

Rated voltage: DC: 1500V;
Test voltage: 6000V/5min;
Temperature range: - 40 to+125 ℃ ;
Maximum conductor temperature: + 120 ℃ ;
Maximum short-circuit temperature: + 250 ℃ ;
Minimum bending radius: 6X cable diameter.



物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	护套厚度 mm ISheath thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	4mm²	82	0.25	0.8	0.7	5.8	70
2	6mm²	122	0.25	0.8	0.7	6.6	95
3	10mm²	204	0.25	1.0	0.7	8.0	147
4	16mm²	326	0.25	1.1	0.7	9.4	217
5	25mm²	510	0.25	1.3	0.8	11.5	333
6	35mm²	713	0.25	1.3	0.8	12.9	439
7	50mm²	1018	0.25	1.5	0.8	14.9	609
8	70mm²	1426	0.25	1.5	0.9	17.0	824
9	95mm²	1935	0.25	1.5	0.9	19.0	1078
10	120mm²	2442	0.25	1.5	0.9	20.8	1333
11	150mm²	3055	0.25	1.7	1	23.2	1667
12	185mm²	1472	0.40	1.9	1	25.6	2040
13	240mm²	1910	0.40	2.0	1.1	28.8	2622

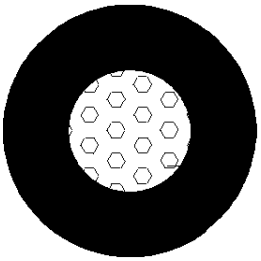
新能源电缆 NEW ENERGY CABLE

07

ES-RYJ-125

CQC 标准辐照交联绝缘无护套储能电缆 1500V

CQC standard irradiation cross-linked insulated unsheathed energy storage cable 1500V



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

ESW06V2-K
ES-RYJYJ-125
ES-RYJ-125
ES-H15ZZ-F
ES-H15Z-F

应用范围

电力储能系统用电池连接电缆主要用于电力储能系统中直流侧的电池模块之间、电池簇之间、电池簇与汇流箱及电池簇与储能变流器之间的连接。

Scope of application

The battery connection cable used in the power energy storage system is mainly used for the connection between battery modules on the DC side, between battery clusters, between battery clusters and combiner boxes, and between battery clusters and energy storage converters in the power energy storage system.

产品特性

应用于直流系统，额定电压为 DC1500V；
单层结构，适合无外部机械损伤的场合；
最高耐温等级为 125℃；
耐高低温环境、耐化学试剂、耐电池酸；
燃烧性能 IEC60332-1-2；
使用寿命：在 90℃以下超过 25 年。

Product characteristics

Applied to DC systems with a rated voltage of DC1500V;
Single layer structure, suitable for situations without external mechanical damage;
The highest temperature resistance level is 125 ℃ ;
Resistant to high and low temperature environments, chemical reagents, and battery acid;
Combustion performance IEC60332-1-2;
Service life: Over 25 years below 90 ℃ .

技术认证

符合 CQC1143&PPP58049A，
IEC60228:class5 ，IEC60332-1-2；
RoHS，REACH。

Technical certification

Complies with CQC1143&PPP58049A, IEC60228: class5, IEC60332-1-2;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
125 度 XLPO 绝缘；
颜色红色或黑色。

Cable structure

Multi strand stranded bare copper or tinned copper, complying with IEC60228 standard, Class 5 conductor;
125 degree XLPO insulation;
Sheath color Red or Black.

技术参数

额定电压：DC:1500V；
测试电压：4500V/5min；
温度范围：-40 至+ 125℃；
导体最高温度：+ 120℃；
短路最高温度：+ 250℃；
最小弯曲半径：5X 电缆直径。

Technical parameters

Rated voltage: DC: 1500V;
Test voltage: 4500V/5min;
Temperature range: - 40 to+125 ℃ ;
Maximum conductor temperature: + 120 ℃ ;
Maximum short-circuit temperature: + 250 ℃ ;
Minimum bending radius: 5X cable diameter.





物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	护套厚度 mm ISheath thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	4mm²	82	0.25	0.8	4.3	51	70
2	6mm²	122	0.25	0.8	5.2	74	95
3	10mm²	204	0.25	1.0	6.6	122	147
4	16mm²	326	0.25	1.1	8.0	187	217
5	25mm²	510	0.25	1.3	9.9	290	333
6	35mm²	713	0.25	1.3	11.3	392	439
7	50mm²	1018	0.25	1.5	13.3	554	609
8	70mm²	1426	0.25	1.5	15.2	752	824
9	95mm²	1935	0.25	1.5	17.2	998	1078
10	120mm²	2442	0.25	1.5	19.0	1244	1333
11	150mm²	3055	0.25	1.7	21.2	1557	1667
12	185mm²	1472	0.40	1.9	23.6	1919	2040
13	240mm²	1910	0.40	2.0	26.5	2464	2622

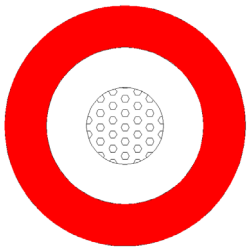
新能源电缆 NEW ENERGY CABLE

07

ES-H15ZZ-F

TUV 南德标准辐照交联绝缘护套储能电缆 1500V

TUV South German standard irradiation cross-linked insulated sheathed energy storage cable 1500V



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

- ESW06V2-K
- ES-RYJYJ-125
- ES-RYJ-125
- ES-H15ZZ-F
- ES-H15Z-F

应用范围

电力储能系统用电池连接电缆主要用于电力储能系统中直流侧的电池模块之间、电池簇之间、电池簇与汇流箱及电池簇与储能变流器之间的连接。

Scope of application

The battery connection cable used in the power energy storage system is mainly used for the connection between battery modules on the DC side, between battery clusters, between battery clusters and combiner boxes, and between battery clusters and energy storage converters in the power energy storage system.

产品特性

应用于直流系统，额定电压为 DC1500V；
双层结构，机械强度高，适合有外部机械损伤的场合；
最高耐温等级为 125℃；
耐高低温环境、耐化学试剂、耐电池酸；
燃烧性能 IEC60332-1-2；
使用寿命：在 90℃以下超过 25 年。

Product characteristics

Applied to DC systems with a rated voltage of DC1500V;
Double layered structure with high mechanical strength, suitable for situations with external mechanical damage
The highest temperature resistance level is 125 ℃ ;
Resistant to high and low temperature environments, chemical reagents, and battery acid;
Combustion performance IEC60332-1-2;
Service life: Over 25 years below 90 ℃ .

技术认证

符合 CQC1143&PPP58049A，
IEC60228:class5 ，IEC60332-1-2；
RoHS，REACH。

Technical certification

Complies with CQC1143&PPP58049A, IEC60228: class5, IEC60332-1-2;
RoHS，REACH.



电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
125 度 XLPO 绝缘（白色）；
125 度 XLPO 护套；
护套颜色红色或黑色。

Cable structure

Multi strand stranded bare copper or tinned copper, complying with IEC60228 standard, Class 5 conductor;
125 degree XLPO insulation (white);
125 degree XLPO sheath;
Sheath color Red or Black.

技术参数

额定电压：DC:1500V；
测试电压：6500V/5min；
温度范围：-40 至+ 125℃；
导体最高温度：+ 120℃；
短路最高温度：+ 250℃；
最小弯曲半径：6X 电缆直径。

Technical parameters

Rated voltage: DC: 1500V;
Test voltage: 6000V/5min;
Temperature range: - 40 to+125 ℃ ;
Maximum conductor temperature: + 120 ℃ ;
Maximum short-circuit temperature: + 250 ℃ ;
Minimum bending radius: 6X cable diameter.



物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	护套厚度 mm ISheath thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	4mm²	82	0.25	0.8	0.7	5.8	70
2	6mm²	122	0.25	0.8	0.7	6.6	95
3	10mm²	204	0.25	1.0	0.7	8.0	147
4	16mm²	326	0.25	1.1	0.7	9.4	217
5	25mm²	510	0.25	1.3	0.8	11.5	333
6	35mm²	713	0.25	1.3	0.8	12.9	439
7	50mm²	1018	0.25	1.5	0.8	14.9	609
8	70mm²	1426	0.25	1.5	0.9	17.0	824
9	95mm²	1935	0.25	1.5	0.9	19.0	1078
10	120mm²	2442	0.25	1.5	0.9	20.8	1333
11	150mm²	3055	0.25	1.7	1	23.2	1667
12	185mm²	1472	0.40	1.9	1	25.6	2040
13	240mm²	1910	0.40	2.0	1.1	28.8	2622

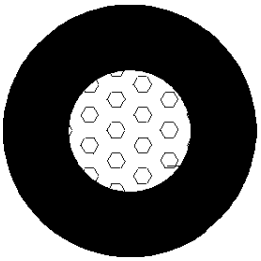
新能源电缆 NEW ENERGY CABLE

07

ES-H15Z-F

TUV 南德标准辐照交联绝缘无护套储能电缆 1500V

TUV South German Standard Irradiation Crosslinked Insulated Unsheathed Energy Storage Cable 1500V



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

ESW06V2-K
ES-RYJYJ-125
ES-RYJ-125
ES-H15ZZ-F
ES-H15Z-F

应用范围

电力储能系统用电池连接电缆主要用于电力储能系统中直流侧的电池模块之间、电池簇之间、电池簇与汇流箱及电池簇与储能变流器之间的连接。

Scope of application

The battery connection cable used in the power energy storage system is mainly used for the connection between battery modules on the DC side, between battery clusters, between battery clusters and combiner boxes, and between battery clusters and energy storage converters in the power energy storage system.

产品特性

应用于直流系统，额定电压为 DC1500V；
单层结构，适合无外部机械损伤的场合；
最高耐温等级为 125℃；
耐高低温环境、耐化学试剂、耐电池酸；
燃烧性能 IEC60332-1-2；
使用寿命：在 90℃以下超过 25 年。

Product characteristics

Applied to DC systems with a rated voltage of DC1500V;
Single layer structure, suitable for situations without external mechanical damage;
The highest temperature resistance level is 125 ℃ ;
Resistant to high and low temperature environments, chemical reagents, and battery acid;
Combustion performance IEC60332-1-2;
Service life: Over 25 years below 90 ℃ .

技术认证

符合 CQC1143&PPP58049A，
IEC60228:class5 ，IEC60332-1-2；
RoHS，REACH。

Technical certification

Complies with CQC1143&PPP58049A, IEC60228: class5, IEC60332-1-2;
RoHS，REACH.

电缆结构

多股束绞裸铜丝或镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
125 度 XLPO 绝缘；
颜色红色或黑色。

Cable structure

Multi strand stranded bare copper or tinned copper, complying with IEC60228 standard, Class 5 conductor;
125 degree XLPO insulation ;
Sheath color Red or Black.

技术参数

额定电压：DC:1500V；
测试电压：4500V/5min；
温度范围：-40 至+ 125℃；
导体最高温度：+ 120℃；
短路最高温度：+ 250℃；
最小弯曲半径：5X 电缆直径。

Technical parameters

Rated voltage: DC: 1500V;
Test voltage: 4500V/5min;
Temperature range: - 40 to+125 ℃ ;
Maximum conductor temperature: + 120 ℃ ;
Maximum short-circuit temperature: + 250 ℃ ;
Minimum bending radius: 5X cable diameter.





物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	护套厚度 mm ISheath thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	4mm²	82	0.25	0.8	4.3	51	70
2	6mm²	122	0.25	0.8	5.2	74	95
3	10mm²	204	0.25	1.0	6.6	122	147
4	16mm²	326	0.25	1.1	8.0	187	217
5	25mm²	510	0.25	1.3	9.9	290	333
6	35mm²	713	0.25	1.3	11.3	392	439
7	50mm²	1018	0.25	1.5	13.3	554	609
8	70mm²	1426	0.25	1.5	15.2	752	824
9	95mm²	1935	0.25	1.5	17.2	998	1078
10	120mm²	2442	0.25	1.5	19.0	1244	1333
11	150mm²	3055	0.25	1.7	21.2	1557	1667
12	185mm²	1472	0.40	1.9	23.6	1919	2040
13	240mm²	1910	0.40	2.0	26.5	2464	2622

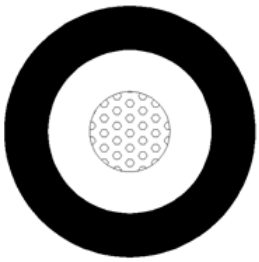
新能源电缆 NEW ENERGY CABLE

07

PV1-F

TUV 认证 太阳能光伏电缆

TUV certified solar photovoltaic cable



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

PV1-F

H1Z2Z2-K

应用范围

主要应用于光伏发电和太阳能系统，连接太阳能组件和电气元件，适用于户外极端环境。

Scope of application

It is mainly used in photovoltaic power generation and solar energy systems, connecting solar modules and electrical components, and is suitable for outdoor extreme environments.

产品特性

低烟无卤材质；
耐高低温性能；
抗紫外线，耐臭氧；
阻燃符合 IEC60332-1-2；
使用寿命：在 90℃以下超过 25 年。

Product characteristics

Low smoke halogen-free material;
High and low temperature resistance;
UV resistant, ozone resistant;
Flame retardant conform to IEC60332-1-2;
Service life: more than 25 years under 90 ℃ .

技术认证

TUV 莱茵认证；
符合 TUV2 Pfg/1169；
RoHS，REACH。

Technical certification

TUV Rhine Certification;
Conform to TUV2 Pfg/1169;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
XLPO 绝缘；
XLPO 护套；
颜色红色或黑色。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5 conductor;
XLPO insulation;
XLPO sheath;
Color Red or Black.

技术参数

额定电压：AC:600/1000V , DC:1000V；
测试电压：6500V；
温度范围：-40 至+ 90℃；
导体最高温度：+ 120℃；
短路最高温度：+ 250℃；
最小弯曲半径：
OD < 8mm：4X 电缆直径；
OD ≥ 8mm：6X 电缆直径。

Technical parameters

Rated voltage: AC: 600/1000V, DC: 1000V;
Test voltage: 6500V;
Temperature range: - 40 to+90 ℃ ;
Maximum conductor temperature: + 120 ℃ ;
Maximum short-circuit temperature: + 250 ℃ ;
Minimum bending radius:
OD < 8mm: 4X cable diameter;
OD ≥ 8mm: 6X cable diameter.





物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘外径 mm Insulation outer diameter	成品外径 mm cable OD	导体最大电阻 Ω/km Max. resistance of conductor
1	1.5mm²	30	0.25	2.65	3.70	13.7
2	2.5mm²	49	0.25	3.10	4.20	8.21
3	4.0mm²	56	0.285	3.55	4.60	5.09
4	6.0mm²	84	0.285	4.15	5.20	3.39
5	10mm²	77	0.40	5.15	6.30	1.95
6	16mm²	126	0.40	6.70	8.20	1.24
7	25mm²	196	0.40	8.10	10.00	0.795
8	35mm²	276	0.40	9.50	11.50	0.565
9	2*1.5mm²	30	0.25	2.65	3.70*7.60	13.7
10	2*2.5mm²	49	0.25	3.10	4.20*8.60	8.21
11	2*4.0mm²	56	0.285	3.55	4.60*9.40	5.09
12	2*6.0mm²	84	0.285	4.15	5.20*10.60	3.39
13	2*10mm²	77	0.40	5.15	6.30*12.80	1.95
14	2*16mm²	126	0.40	6.70	8.20*16.70	1.24
15	2*25mm²	196	0.40	8.10	10.00*20.30	0.795
16	2*35mm²	276	0.40	9.50	11.50*23.30	0.565

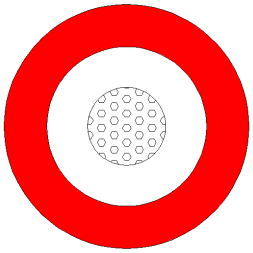
新能源电缆 NEW ENERGY CABLE

07

H1Z2Z2-K

TUV 认证 太阳能光伏电缆

TUV certified solar photovoltaic cable



TUV 标准
储能电缆
TUV STANDARD STORAGE CABLE

PV1-F

H1Z2Z2-K

应用范围

主要应用于光伏发电和太阳能系统，连接太阳能组件和电气元件，适用于户外极端环境。

Scope of application

It is mainly used in photovoltaic power generation and solar energy systems, connecting solar modules and electrical components, and is suitable for outdoor extreme environments.

产品特性

低烟无卤材质；
耐高低温性能；
抗紫外线，耐臭氧；
阻燃符合 IEC60332-1-2；
使用寿命：在 90℃以下超过 25 年。

Product characteristics

Low smoke halogen-free material;
High and low temperature resistance;
UV resistant, ozone resistant;
Flame retardant conform to IEC60332-1-2;
Service life: more than 25 years under 90 ℃ .

技术认证

TUV 莱茵认证；
符合 EN50618；
RoHS，REACH。

Technical certification

TUV Rhine Certification;
Conform to EN50618;
RoHS，REACH.



电缆结构

多股束绞镀锡铜丝，符合 IEC60228 标准，第 5 类导体；
XLPO 绝缘；
XLPO 护套；
颜色红色或黑色。

Cable structure

Multi strand stranded tinned copper wire, conform to IEC60228 standard, Class 5 conductor;
XLPO insulation;
XLPO sheath;
Color Red or Black.

技术参数

额定电压：DC 1500V；
测试电压：6500V；
温度范围：-40 至+ 90℃；
导体最高温度：+ 120℃；
短路最高温度：+ 250℃；
最小弯曲半径：
OD ≤ 12mm：4X 电缆直径；
OD > 12mm：10X 电缆直径。

Technical parameters

Rated voltage: DC 1500V;
Test voltage: 6500V;
Temperature range: - 40 to+90 ℃ ;
Maximum conductor temperature: + 120 ℃ ;
Maximum short-circuit temperature: + 250 ℃ ;
Minimum bending radius:
OD ≤ 12mm: 4X cable diameter;
OD > 12mm: 10X cable diameter.



物料编号 Item No	规格 Specification	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘外径 mm Insulation outer diameter	成品外径 mm cable OD	导体最大电阻 Ω/km Max. resistance of conductor
1	1.5mm²	30	0.25	3.05	4.70	13.7
2	2.5mm²	49	0.25	3.50	5.20	8.21
3	4.0mm²	56	0.285	3.85	5.50	5.09
4	6.0mm²	84	0.285	4.45	6.10	3.39
5	10mm²	77	0.40	5.50	7.20	1.95
6	16mm²	126	0.40	6.90	8.80	1.24
7	25mm²	196	0.40	8.70	10.80	0.795
8	35mm²	276	0.40	10.00	12.40	0.565
9	2*1.5mm²	30	0.25	3.05	4.70*9.60	13.7
10	2*2.5mm²	49	0.25	3.50	5.20*10.60	8.21
11	2*4.0mm²	56	0.285	3.85	5.50*11.20	5.09
12	2*6.0mm²	84	0.285	4.45	6.10*12.40	3.39
13	2*10mm²	77	0.40	5.50	7.20*14.70	1.95
14	2*16mm²	126	0.40	6.90	8.80*17.90	1.24
15	2*25mm²	196	0.40	8.70	10.80*21.90	0.795
16	2*35mm²	276	0.40	10.00	12.40*25.10	0.565

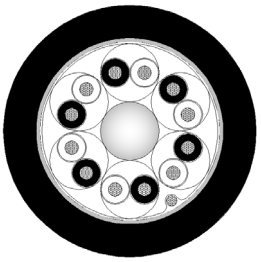
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 仪表和控制电缆（600V）

UL1277 certified Instrument and control cable (600V)



应用范围

该电缆适用于信号电路、仪器仪表、低压数字控制、编码器、分布式控制系统（DCS）、可编程逻辑控制器（PLC）、电磁阀、阀门、定位器等。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is applicable to signal circuit, instrument, low-voltage digital control, encoder, distributed control system (DCS), programmable logic controller (PLC), solenoid valve, valve, positioner, etc. For the North American market where UL/CSA certified cables are exported.

产品特性

阻燃等级 VW-1，FT1，FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
室内 / 室外使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use;
UV resistance;
Low temperature resistance.

技术认证

UL 认证；
UL1277 TYPE TC/TC-ER，UL File E515641，TYPE 18AWG OR 16AWG;
UL1685 Vertical Tray Flame Test;
UL1581；
RoHS，REACH。

Technical certification

UL certification;
UL1277 TYPE TC/TC-ER，UL File E515641，TYPE 18AWG OR 16AWG;
UL1685 Vertical Tray Flame Test;
UL1581；
RoHS，REACH.

电缆结构

可选裸铜导体（ASTM B3），镀锡导体（ASTM B33）；
PVC/Nylon 芯线绝缘（符合 QMTT2 认证）；
两两对绞；
镀锡铜丝排流线 + 铝塑复合膜分屏（可选）；
铝塑复合膜绕包总屏；
镀锡铜丝排流线；
PVC 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33);
PVC/Nylon core insulation (conforming to QMTT2 certification);
Twisted in pairs;
Tinned copper wire drain wire+aluminum-plastic composite film split screen (optional);
Aluminum plastic composite film wrapped total screen;
Tinned copper wire drain wire;
PVC sheath (conforming to QMTT2 certification)
Color black.

技术参数

额定电压：600V;
测试电压：2000V;
UL 耐温等级：90℃ Wet or Dry;
工作温度范围：-40 至+ 90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 600V;
Test voltage: 2000V;
UL temperature resistance grade: 90 ℃ Wet or Dry;
Operating temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.

美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER





物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	尼龙厚度 mm Nylon thickness	绝缘外径 mm Insulation outer diameter	护套厚度 mm ISheath thickness	电缆外径约 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
1	1X2X18AWG	17	0.254	0.38	0.10	2.2	1.14	6.8±0.3	64	14
2	2X2X18AWG	17	0.254	0.38	0.10	2.2	1.14	9.5±0.3	104	14
3	3X2X18AWG	17	0.254	0.38	0.10	2.2	1.14	10.2±0.3	133	14
4	4X2X18AWG	17	0.254	0.38	0.10	2.2	1.14	11.6±0.3	174	14
5	5X2X18AWG	17	0.254	0.38	0.10	2.2	1.14	12.6±0.3	205	14
6	6X2X18AWG	17	0.254	0.38	0.10	2.2	1.52	14.1±0.4	250	14
7	7X2X18AWG	17	0.254	0.38	0.10	2.2	1.52	14.1±0.4	275	14
8	8X2X18AWG	17	0.254	0.38	0.10	2.2	1.52	15.2±0.4	308	14
9	10X2X18AWG	17	0.254	0.38	0.10	2.2	1.52	17.9±0.5	385	14
10	12X2X18AWG	17	0.254	0.38	0.10	2.2	1.52	18.7±0.5	447	14
11	15X2X18AWG	17	0.254	0.38	0.10	2.2	1.52	20.1±0.5	533	14
12	18X2X18AWG	17	0.254	0.38	0.10	2.2	2.03	22.6±0.6	663	14
13	20X2X18AWG	17	0.254	0.38	0.10	2.2	2.03	23.7±0.6	724	14
14	25X2X18AWG	17	0.254	0.38	0.10	2.2	2.03	26.2±0.7	873	14
15	1X2X16AWG	26	0.254	0.38	0.10	2.6	1.14	7.6±0.3	85	18
16	2X2X16AWG	26	0.254	0.38	0.10	2.6	1.14	10.7±0.3	138	18
17	3X2X16AWG	26	0.254	0.38	0.10	2.6	1.14	11.6±0.3	180	18
18	4X2X16AWG	26	0.254	0.38	0.10	2.6	1.52	13.6±0.4	248	18
19	5X2X16AWG	26	0.254	0.38	0.10	2.6	1.52	14.8±0.4	293	18
20	6X2X16AWG	26	0.254	0.38	0.10	2.6	1.52	16.1±0.5	339	18
21	7X2X16AWG	26	0.254	0.38	0.10	2.6	1.52	16.1±0.5	375	18
22	8X2X16AWG	26	0.254	0.38	0.10	2.6	1.52	17.6±0.5	429	18
23	10X2X16AWG	26	0.254	0.38	0.10	2.6	1.52	20.6±0.6	526	18
24	12X2X16AWG	26	0.254	0.38	0.10	2.6	2.03	22.2±0.6	655	18
25	15X2X16AWG	26	0.254	0.38	0.10	2.6	2.03	23.9±0.6	781	18
26	18X2X16AWG	26	0.254	0.38	0.10	2.6	2.03	25.9±0.7	910	18
27	20X2X16AWG	26	0.254	0.38	0.10	2.6	2.03	27.6±0.7	1022	18
28	25X2X16AWG	26	0.254	0.38	0.10	2.6	2.03	30.9±0.8	1266	18

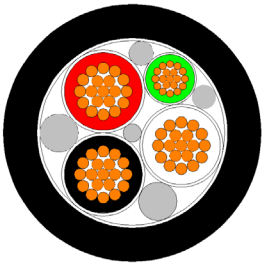
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热固性绝缘热塑性护套控制电缆（600V）

UL1277 certified Thermoset insulated thermoplastic sheathed control cable (600V)



应用范围

该电缆适用于工业设备安装工程、控制电路中，主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用，也可直埋。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is applicable to industrial equipment installation engineering, control circuit, mainly through cable rack, cable duct installation, and outdoor applications with sling support, and can also be directly buried. For the North American market where UL/CSA certified cables are exported.

美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER



产品特性

阻燃等级 VW-1，FT1,FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
室内 / 室外使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use;
UV resistance;
Low temperature resistance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER，UL File E515641，UL44 TYPE XHHW/XHHW-2；
C(UL) 600V Type CIC,CSA C22.2 No.230；
UL1685 Vertical Tray Flame Test；
UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER，UL File E515641，UL44 TYPE XHHW/XHHW-2；
C(UL) 600V Type CIC,CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;
RoHS，REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体(ASTM B33),铝合金导体(AA8000)
XLPE 芯线绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
PVC 护套，XLPE 可选（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33), aluminum alloy conductor (AA8000);
XLPE core insulation (conforming to QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tinned copper wire braid (optional);
PVC sheath, XLPE optional (conforming to QMTT2 certification);
Color black.

技术参数

额定电压：600V；
测试电压：2000V；
UL 耐温等级：90℃ Wet or Dry；
工作温度范围：-40 至+ 90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 600V;
Test voltage: 2000V;
UL temperature resistance grade: 90 ℃ Wet or Dry;
Operating temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆外径约 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
1	2X14AWG	7	0.62	0.76	3.45	9.3±0.3	102	25
2	3X14AWG	7	0.62	0.76	3.45	9.8±0.3	133	25
3	4X14AWG	7	0.62	0.76	3.45	10.7±0.3	166	25
4	5X14AWG	7	0.62	0.76	3.45	12.1±0.3	210	25
5	6X14AWG	7	0.62	0.76	3.45	13.2±0.4	245	25
6	7X14AWG	7	0.62	0.76	3.45	13.2±0.4	273	25
7	8X14AWG	7	0.62	0.76	3.45	14.6±0.4	321	25
8	9X14AWG	7	0.62	0.76	3.45	15.7±0.5	357	25
9	10X14AWG	7	0.62	0.76	3.45	17.0±0.5	395	25
10	12X14AWG	7	0.62	0.76	3.45	17.7±0.5	463	25
11	15X14AWG	7	0.62	0.76	3.45	19.1±0.5	557	25
12	19X14AWG	7	0.62	0.76	3.45	20.9±0.5	691	25
13	20X14AWG	7	0.62	0.76	3.45	22.7±0.6	770	25
14	25X14AWG	7	0.62	0.76	3.45	25.1±0.6	934	25
15	30X14AWG	7	0.62	0.76	3.45	26.9±0.7	1113	25
16	37X14AWG	7	0.62	0.76	3.45	29.2±0.8	1345	25
17	2X12AWG	7	0.78	0.76	3.95	10.3±0.3	134	30
18	3X12AWG	7	0.78	0.76	3.95	10.9±0.3	179	30
19	4X12AWG	7	0.78	0.76	3.95	12.3±0.3	237	30
20	5X12AWG	7	0.78	0.76	3.95	13.5±0.4	286	30
21	6X12AWG	7	0.78	0.76	3.95	15.1±0.5	349	30
22	7X12AWG	7	0.78	0.76	3.95	15.1±0.5	390	30
23	8X12AWG	7	0.78	0.76	3.95	16.3±0.5	440	30
24	9X12AWG	7	0.78	0.76	3.95	17.5±0.5	490	30
25	10X12AWG	7	0.78	0.76	3.95	19.2±0.5	552	30
26	12X12AWG	7	0.78	0.76	3.95	20.0±0.5	648	30
27	15X12AWG	7	0.78	0.76	3.95	22.4±0.6	827	30
28	19X12AWG	7	0.78	0.76	3.95	24.2±0.6	1009	30
29	20X12AWG	7	0.78	0.76	3.95	25.4±0.6	1063	30
30	25X12AWG	7	0.78	0.76	3.95	28.5±0.7	1323	30
31	30X12AWG	7	0.78	0.76	3.95	30.5±0.8	1576	30
32	37X12AWG	7	0.78	0.76	3.95	33.3±1.0	1923	30
33	2X10AWG	7	0.98	0.76	4.6	12.0±0.3	194	40
34	3X10AWG	7	0.98	0.76	4.6	12.7±0.3	260	40
35	4X10AWG	7	0.98	0.76	4.6	14.3±0.3	343	40
36	5X10AWG	7	0.98	0.76	4.6	15.6±0.4	415	40
37	6X10AWG	7	0.98	0.76	4.6	17.0±0.5	487	40
38	7X10AWG	7	0.98	0.76	4.6	17.0±0.5	548	40
39	8X10AWG	7	0.98	0.76	4.6	18.6±0.5	629	40
40	9X10AWG	7	0.98	0.76	4.6	20.2±0.5	712	40
41	10X10AWG	7	0.98	0.76	4.6	22.8±0.6	832	40
42	12X10AWG	7	0.98	0.76	4.6	23.5±0.6	962	40

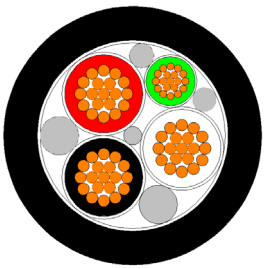
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热塑性绝缘热塑性护套控制电缆（600V）

UL1277 certified Thermoplastic insulation Thermoplastic sheathed control cable (600V)



美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER ➤
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER



应用范围

该电缆适用于工业设备安装工程、控制电路中，主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用，也可直埋。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is applicable to industrial equipment installation engineering, control circuit, mainly through cable rack, cable duct installation, and outdoor applications with sling support, and can also be directly buried. For the North American market where UL/CSA certified cables are exported.

产品特性

阻燃等级 VW-1，FT1,FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
室内 / 室外使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use;
UV resistance;
Low temperature resistance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER，UL File E515641，
UL83 TYPE THHN/THWN-2；
UL1685 Vertical Tray Flame Test；
UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER，UL File E515641，UL83 TYPE THHN/THWN-2;
UL1685 Vertical Tray Flame Test;
UL1581;
RoHS，REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体(ASTM B33),铝合金导体(AA8000)
PVC/NYLON 绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
PVC 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33), aluminum alloy conductor (AA8000);
PVC/NYLON insulation (conforming to QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tinned copper wire braid (optional);
PVC sheath (conforming to QMTT2 certification)
Color black.

技术参数

额定电压：600V；
测试电压：2000V；
UL 耐温等级：90℃ Wet or Dry；
工作温度范围：-40 至+ 90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 600V;
Test voltage: 2000V;
UL temperature resistance grade: 90 ℃ Wet or Dry;
Operating temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	尼龙厚度 mm Nylon thickness	绝缘外径 mm Insulation outer diameter	电缆外径约 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
1	2X14AWG	19	0.37	0.38	0.10	2.90	8.3±0.3	92	25
2	3X14AWG	19	0.37	0.38	0.10	2.90	8.7±0.3	120	25
3	4X14AWG	19	0.37	0.38	0.10	2.90	9.5±0.3	150	25
4	5X14AWG	19	0.37	0.38	0.10	2.90	10.3±0.3	180	25
5	6X14AWG	19	0.37	0.38	0.10	2.90	11.2±0.3	211	25
6	7X14AWG	19	0.37	0.38	0.10	2.90	11.2±0.3	236	25
7	8X14AWG	19	0.37	0.38	0.10	2.90	12.3±0.3	272	25
8	9X14AWG	19	0.37	0.38	0.10	2.90	13.4±0.4	310	25
9	10X14AWG	19	0.37	0.38	0.10	2.90	14.9±0.4	356	25
10	12X14AWG	19	0.37	0.38	0.10	2.90	15.3±0.5	411	25
11	15X14AWG	19	0.37	0.38	0.10	2.90	16.5±0.5	496	25
12	19X14AWG	19	0.37	0.38	0.10	2.90	17.8±0.5	607	25
13	20X14AWG	19	0.37	0.38	0.10	2.90	18.9±0.5	648	25
14	25X14AWG	19	0.37	0.38	0.10	2.90	21.1±0.5	801	25
15	30X14AWG	19	0.37	0.38	0.10	2.90	22.3±0.6	973	25
16	37X14AWG	19	0.37	0.38	0.10	2.90	24.8±0.6	1177	25
17	2X12AWG	19	0.47	0.38	0.10	3.40	9.3±0.3	125	30
18	3X12AWG	19	0.47	0.38	0.10	3.40	9.8±0.3	166	30
19	4X12AWG	19	0.47	0.38	0.10	3.40	10.7±0.3	210	30
20	5X12AWG	19	0.47	0.38	0.10	3.40	11.9±0.3	260	30
21	6X12AWG	19	0.47	0.38	0.10	3.40	12.9±0.4	305	30
22	7X12AWG	19	0.47	0.38	0.10	3.40	12.9±0.4	344	30
23	8X12AWG	19	0.47	0.38	0.10	3.40	14.5±0.4	409	30
24	9X12AWG	19	0.47	0.38	0.10	3.40	15.6±0.5	456	30
25	10X12AWG	19	0.47	0.38	0.10	3.40	16.9±0.5	505	30
26	12X12AWG	19	0.47	0.38	0.10	3.40	17.4±0.6	586	30
27	15X12AWG	19	0.47	0.38	0.10	3.40	18.9±0.6	721	30
28	19X12AWG	19	0.47	0.38	0.10	3.40	20.7±0.7	898	30
29	20X12AWG	19	0.47	0.38	0.10	3.40	22.5±0.7	987	30
30	25X12AWG	19	0.47	0.38	0.10	3.40	24.9±0.8	1205	30
31	30X12AWG	19	0.47	0.38	0.10	3.40	25.4±0.8	1404	30
32	37X12AWG	19	0.47	0.38	0.10	3.40	28.7±1.0	1731	30
33	2X10AWG	19	0.59	0.51	0.10	4.3	11.1±0.3	180	40
34	3X10AWG	19	0.59	0.51	0.10	4.3	12.0±0.4	251	40
35	4X10AWG	19	0.59	0.51	0.10	4.3	13.3±0.4	325	40
36	5X10AWG	19	0.59	0.51	0.10	4.3	14.9±0.5	409	40
37	6X10AWG	19	0.59	0.51	0.10	4.3	16.2±0.5	480	40
38	7X10AWG	19	0.59	0.51	0.10	4.3	16.2±0.5	541	40
39	8X10AWG	19	0.59	0.51	0.10	4.3	17.5±0.6	612	40
40	9X10AWG	19	0.59	0.51	0.10	4.3	19.0±0.7	693	40
41	10X10AWG	19	0.59	0.51	0.10	4.3	20.9±0.7	778	40
42	12X10AWG	19	0.59	0.51	0.10	4.3	22.4±0.8	947	40

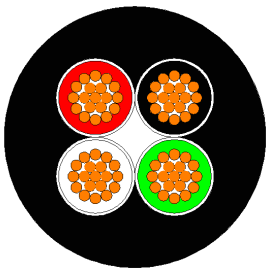
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热固性绝缘热塑性护套电力电缆（600V）

UL1277 certified Thermoset insulated thermoplastic sheathed power cable（600V）



美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER ➤
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER



应用范围

该电缆适用于住宅，商业和工业环境的布线系统的电机供电，在工业环境中的其他电源设备的连接。主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用。也可直埋，敷设于地下管道。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is applicable to the motor power supply of wiring system in residential, commercial and industrial environments, and the connection of other power supply equipment in industrial environments. It is mainly installed through cable racks, cable ducts and outdoor applications supported by slings. It can also be directly buried and laid in underground pipelines. For the North American market where UL/CSA certified cables are exported.

产品特性

阻燃等级 VW-1，FT1,FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
室内 / 室外使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use;
UV resistance;
Low temperature resistance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER，UL File E515641，
UL44 TYPE XHHW/XHHW-2；
C(UL) 600V Type CIC,CSA C22.2 No.230
UL1685 Vertical Tray Flame Test；
UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER，UL File E515641，UL44 TYPE XHHW/XHHW-2；
C(UL) 600V Type CIC,CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;
RoHS，REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体(ASTM B33),铝合金导体(AA8000)；
XLPE 芯线绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
PVC 护套，XLPE 可选（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3), tinned conductor (ASTM B33), aluminum alloy conductor (AA8000);
XLPE core insulation (conforming to QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tinned copper wire braid (optional);
PVC sheath, XLPE optional (conforming to QMTT2 certification);
Color black.

技术参数

额定电压：600V；
测试电压：2000V；
UL 耐温等级：90℃ Wet or Dry；
工作温度范围：-40 至+ 90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 600V;
Test voltage: 2000V;
UL temperature resistance grade: 90 ℃ Wet or Dry;
Operating temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	最小接地线 Minimum ground wire	电缆外径 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
			3 芯				
1	3X10AWG	7	0.98	10AWG	14.3±0.4	343	40
2	3X8AWG	7	1.23	10AWG	17.4±0.6	477	55
3	3X6AWG	7	1.56	8AWG	21.0±0.7	729	75
4	3X4AWG	7	1.96	8AWG	23.8±0.7	1007	95
5	3X2AWG	7	2.47	6AWG	27.5±0.8	1477	130
6	3X1AWG	19	1.69	6AWG	30.4±1.0	1820	145
7	3X1/0AWG	19	1.89	6AWG	32.8±1.2	2191	170
8	3X2/0AWG	19	2.13	6AWG	35.2±1.5	2656	195
9	3X3/0AWG	19	2.39	4AWG	38.4±1.5	3277	225
10	3X4/0AWG	19	2.68	4AWG	41.5±1.5	3981	260
11	3X250KCMIL	37	2.07	4AWG	45.1±1.5	4634	290
12	3X300KCMIL	37	2.27	3AWG	48.5±1.5	5497	320
13	3X350KCMIL	37	2.45	3AWG	51.3±1.5	6289	350
14	3X400KCMIL	37	2.62	3AWG	53.4±1.5	7037	380
15	3X500KCMIL	37	2.93	2AWG	58.3±1.8	8639	430
			4 芯				
1	4X10AWG	7	0.98	10AWG	15.6±0.5	415	40
2	4X8AWG	7	1.23	10AWG	19.7±0.7	609	55
3	4X6AWG	7	1.56	8AWG	23.6±0.8	922	75
4	4X4AWG	7	1.96	8AWG	26.4±0.8	1262	95
5	4X2AWG	7	2.47	6AWG	31.0±1.0	1889	130
6	4X1AWG	19	1.69	6AWG	34.4±1.2	2339	145
7	4X1/0AWG	19	1.89	6AWG	37.2±1.5	2825	170
8	4X2/0AWG	19	2.13	6AWG	39.5±1.5	3400	195
9	4X3/0AWG	19	2.39	4AWG	43.4±1.5	4234	225
10	4X4/0AWG	19	2.68	4AWG	47.5±1.5	5208	260
11	4X250KCMIL	37	2.07	4AWG	51.4±1.5	6022	290
12	4X300KCMIL	37	2.27	3AWG	55.2±1.5	7140	320
13	4X350KCMIL	37	2.45	3AWG	58.4±1.8	8184	350
14	4X400KCMIL	37	2.62	3AWG	61.0±1.8	9178	380
15	4X500KCMIL	37	2.93	2AWG	66.2±2.0	11208	430

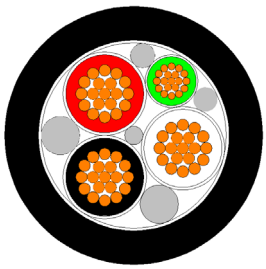
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热塑性绝缘热塑性护套电力电缆（600V）

UL1277 certified Thermoplastic insulation Thermoplastic sheathed power cable（600V）



美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER ▶
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER



应用范围

该电缆适用于住宅，商业和工业环境的布线系统的电机供电，在工业环境中的其他电源设备的连接。主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用。也可直埋，敷设于地下管道。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is applicable to the motor power supply of wiring system in residential, commercial and industrial environments, and the connection of other power supply equipment in industrial environments. It is mainly installed through cable racks, cable ducts and outdoor applications supported by slings. It can also be directly buried and laid in underground pipelines. For the North American market where UL/CSA certified cables are exported.

产品特性

阻燃等级 VW-1，FT1,FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
室内 / 室外使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use;
UV resistance;
Low temperature resistance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER，UL File E515641，
UL83 TYPE THHN/THWN-2；
UL1685 Vertical Tray Flame Test；
UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER，UL File E515641，UL83 TYPE THHN/THWN-2;
UL1685 Vertical Tray Flame Test;
UL1581;
RoHS，REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体（ASTM B33），铝合金导体（AA8000）
PVC/NYLON 绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
PVC 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3),
tinned conductor (ASTM B33), aluminum alloy conductor (AA8000);
PVC/NYLON insulation (conforming to QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tinned copper wire braid (optional);
PVC sheath (conforming to QMTT2 certification);
Color black.

技术参数

额定电压：600V；
测试电压：2000V；
UL 耐温等级：90℃ Wet or Dry；
工作温度范围：-40 至+ 90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 600V;
Test voltage: 2000V;
UL temperature resistance grade: 90 ℃ Wet or Dry;
Operating temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	最小接地线 Minimum ground wire	电缆外径 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
			3 芯				
1	3X10AWG	19	0.59	10AWG	13.2±0.4	364	40
2	3X8AWG	19	0.73	10AWG	15.8±0.5	456	55
3	3X6AWG	19	0.92	8AWG	18.7±0.6	680	75
4	3X4AWG	19	1.19	8AWG	22.9±0.7	1021	95
5	3X2AWG	19	1.5	6AWG	26.7±0.8	1496	130
6	3X1AWG	19	1.68	6AWG	29.8±1.0	1860	145
7	3X1/0AWG	19	1.84	6AWG	31.6±1.0	2203	170
8	3X2/0AWG	19	2.12	6AWG	34.6±1.5	2706	195
9	3X3/0AWG	19	2.39	4AWG	38.2±1.5	3364	225
10	3X4/0AWG	19	2.68	4AWG	41.2±1.5	4064	260
11	3X250KCMIL	37	2.08	4AWG	44.7±1.5	4731	290
12	3X300KCMIL	37	2.28	3AWG	48.1±1.5	5605	320
13	3X350KCMIL	37	2.48	3AWG	51.0±1.5	6426	350
14	3X400KCMIL	37	2.64	3AWG	53.0±1.5	7162	380
15	3X500KCMIL	37	2.95	2AWG	57.8±1.8	8775	430
			4 芯				
1	4X10AWG	19	0.59	10AWG	14.8±0.5	416	40
2	4X8AWG	19	0.73	10AWG	17.4±0.6	564	55
3	4X6AWG	19	0.92	8AWG	20.6±0.7	843	75
4	4X4AWG	19	1.19	8AWG	25.5±0.8	1285	95
5	4X2AWG	19	1.5	6AWG	30.1±1.0	1917	130
6	4X1AWG	19	1.68	6AWG	33.7±1.2	2396	145
7	4X1/0AWG	19	1.84	6AWG	35.9±1.5	2846	170
8	4X2/0AWG	19	2.12	6AWG	38.9±1.5	3471	195
9	4X3/0AWG	19	2.39	4AWG	43.3±1.5	4348	225
10	4X4/0AWG	19	2.68	4AWG	47.2±1.5	5316	260
11	4X250KCMIL	37	2.08	4AWG	50.8±1.5	6149	290
12	4X300KCMIL	37	2.28	3AWG	54.7±1.5	7282	320
13	4X350KCMIL	37	2.48	3AWG	58.1±1.8	8363	350
14	4X400KCMIL	37	2.64	3AWG	60.5±1.8	9342	380
15	4X500KCMIL	37	2.95	2AWG	66.0±2.0	11452	430

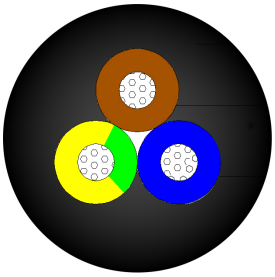
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热固性绝缘热塑性护套电力电缆（2000V）

UL1277 certified Thermosetting insulated thermoplastic sheathed power cable (2000V)



美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER ▶
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER



应用范围

该电缆适用于住宅，商业和工业环境的布线系统的电机供电，在工业环境中的其他电源设备的连接。主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用。也可直埋，敷设于地下管道。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is suitable for the motor power supply of wiring systems in residential, commercial, and industrial environments, as well as the connection of other power equipment in industrial environments. Mainly installed through cable racks, cable ducts, and outdoor applications supported by slings. It can also be directly buried and laid in underground pipelines. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

阻燃等级 VW-1，FT1，FT4 可选；
耐油性能 60℃ PR I or 75℃ PR Ⅱ；
室内 / 室外使用；
抗紫外线性能；
耐低温性能；

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use;
UV resistance performance;
Low temperature resistance performance;

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER, UL File E515641；
UL44 TYPE RHW/RHW-2；
C(UL) 2000V Type CIC,CSA C22.2 No.230；
UL1685 Vertical Tray Flame Test；
UL1581;RoHS,REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER, UL File E515641;
UL44 TYPE RHW/RHW-2;
C (UL) 2000V Type CIC, CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;RoHS,REACH;

电缆结构

可选裸铜导体（ASTM B3），镀锡导体（ASTMB33），铝合金导体（AA8000）；
XLPE 芯线绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
PVC 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3), tin plated conductor (ASTMB33), aluminum alloy conductor (AA8000);
XLPE core wire insulation (in compliance with QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tin plated copper wire weaving (optional);
PVC sheath (compliant with QMTT2 certification);
Color black.

技术参数

额定电压：2000V；
测试电压：5000V；
额定温度：90℃；
UL 耐温等级：90℃ Wet or Dry;
工作温度范围：-40 至 +90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 2000V;
Test voltage: 5000V;
Rated temperature: 90 ℃ ;
UL temperature resistance level: 90 ℃ Wet or Dry;
Working temperature range: -40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	最小接地线 Minimum ground wire	电缆外径 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
			3 芯 +1 地				
1	3X10AWG	7	0.98	10AWG	18.0±0.5	503	40
2	3X8AWG	7	1.23	10AWG	21.5±0.7	735	55
3	3X6AWG	7	1.56	8AWG	24.7±0.8	1036	75
4	3X4AWG	7	1.96	8AWG	28.0±0.8	1435	95
5	3X2AWG	7	2.47	6AWG	32.5±1.0	2070	130
6	3X1AWG	19	1.69	6AWG	38.3±1.2	2752	145
7	3X1/0AWG	19	1.89	6AWG	41.1±1.5	3282	170
8	3X2/0AWG	19	2.13	6AWG	44.4±1.5	3976	195
9	3X3/0AWG	19	2.39	4AWG	47.9±1.5	4802	225
10	3X4/0AWG	19	2.68	4AWG	51.8±1.8	5813	260
11	3X250KCMIL	37	2.07	4AWG	56.9±1.8	6866	290
12	3X300KCMIL	37	2.27	3AWG	60.9±2.0	8053	320
13	3X350KCMIL	37	2.45	3AWG	64.3±2.0	9183	350
14	3X400KCMIL	37	2.62	3AWG	67.2±2.0	10256	380
15	3X500KCMIL	37	2.93	2AWG	72.8±2.0	12444	430
			4 芯 +1 地				
1	4X10AWG	7	0.98	10AWG	20.1±0.5	628	40
2	4X8AWG	7	1.23	10AWG	24.0±0.7	914	55
3	4X6AWG	7	1.56	8AWG	27.5±0.8	1283	75
4	4X4AWG	7	1.96	8AWG	31.5±1.0	1808	95
5	4X2AWG	7	2.47	6AWG	36.0±1.2	2560	130
6	4X1AWG	19	1.69	6AWG	42.4±1.5	3396	145
7	4X1/0AWG	19	1.89	6AWG	45.5±1.5	4051	170
8	4X2/0AWG	19	2.13	6AWG	49.1±1.5	4908	195
9	4X3/0AWG	19	2.39	4AWG	53.0±1.8	5929	225
10	4X4/0AWG	19	2.68	4AWG	57.5±1.8	7209	260
11	4X250KCMIL	37	2.07	4AWG	63.1±2.0	8509	290
12	4X300KCMIL	37	2.27	3AWG	67.3±2.0	9943	320
13	4X350KCMIL	37	2.45	3AWG	71.1±2.0	11339	350
14	4X400KCMIL	37	2.62	3AWG	74.3±2.0	12674	380
15	4X500KCMIL	37	2.93	2AWG	80.2±2.0	15308	430

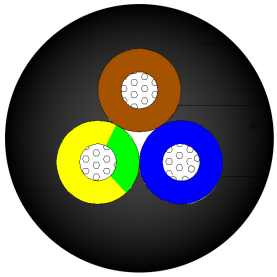
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热固性绝缘热固性护套控制电缆（600V）

UL1277 certified Thermosetting insulated and sheathed control cables（600V）



应用范围

该电缆适用于工艺设备安装工程、控制电路中，主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用，也可直埋。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is suitable for process equipment installation engineering, control circuits, mainly installed through cable racks, cable ducts, and outdoor applications supported by slings. It can also be directly buried. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

阻燃等级 VW-1，FT1，FT4 可选；
耐油性能 60℃ PR Ⅰ or75℃ PR Ⅱ；
室内 / 室外使用 ,"DIR BUR" 可直埋使用；
抗紫外线性能；
耐低温性能；

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance at 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use, "DIR BUR" can be directly buried for use;
UV resistance performance;
Low temperature resistance performance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER, UL File E515641；
UL44 TYPE XHHW/XHHW-2；
C(UL) 600V Type CIC,CSA C22.2 No.230；
UL1685 Vertical Tray Flame Test；
UL1581;RoHS,REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER, UL File E515641;
UL44 TYPE XHHW/XHHW-2;
C (UL) 600V Type CIC, CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;RoHS,REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体（ASTMB33），铝合金导体（AA8000）；
XLPE 芯线绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
XLPE 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3),
tin plated conductor (ASTMB33), aluminum alloy conductor (AA8000);
XLPE core wire insulation (in compliance with QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tin plated copper wire weaving (optional);
XLPE sheath (compliant with QMTT2 certification);
Color black.

技术参数

额定电压：600V；
测试电压：2000V；
额定温度：90℃；
UL 耐温等级：90℃ Wet or Dry；
工作温度范围：-40 至 +90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

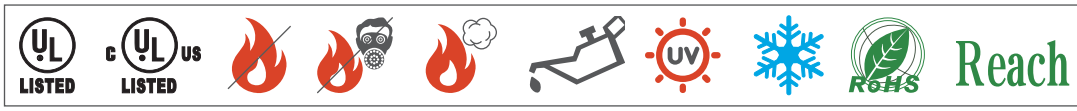
Rated voltage: 600V;
Test voltage: 2000V;
Rated temperature: 90 ℃ ;
UL temperature resistance level: 90 ℃ Wet or Dry;
Working temperature range: -40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.

美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER ▶
- XHHW&TC/TC-ER
- RHW&TC/TC-ER





物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆外径约 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
1	2X14AWG	7	0.62	0.76	3.45	9.3±0.3	102	25
2	3X14AWG	7	0.62	0.76	3.45	9.8±0.3	133	25
3	4X14AWG	7	0.62	0.76	3.45	10.7±0.3	166	25
4	5X14AWG	7	0.62	0.76	3.45	12.1±0.3	210	25
5	6X14AWG	7	0.62	0.76	3.45	13.2±0.3	245	25
6	7X14AWG	7	0.62	0.76	3.45	13.2±0.3	273	25
7	8X14AWG	7	0.62	0.76	3.45	14.6±0.4	321	25
8	9X14AWG	7	0.62	0.76	3.45	15.7±0.5	357	25
9	10X14AWG	7	0.62	0.76	3.45	17.0±0.5	395	25
10	12X14AWG	7	0.62	0.76	3.45	17.7±0.5	463	25
11	15X14AWG	7	0.62	0.76	3.45	19.1±0.5	557	25
12	19X14AWG	7	0.62	0.76	3.45	20.9±0.5	691	25
13	20X14AWG	7	0.62	0.76	3.45	22.7±0.6	770	25
14	25X14AWG	7	0.62	0.76	3.45	25.1±0.6	934	25
15	30X14AWG	7	0.62	0.76	3.45	26.9±0.7	1113	25
16	37X14AWG	7	0.62	0.76	3.45	29.2±0.8	1345	25
17	2X12AWG	7	0.78	0.76	3.95	10.3±0.3	134	30
18	3X12AWG	7	0.78	0.76	3.95	10.9±0.3	179	30
19	4X12AWG	7	0.78	0.76	3.95	12.3±0.3	237	30
20	5X12AWG	7	0.78	0.76	3.95	13.5±0.4	286	30
21	6X12AWG	7	0.78	0.76	3.95	15.1±0.5	349	30
22	7X12AWG	7	0.78	0.76	3.95	15.1±0.5	390	30
23	8X12AWG	7	0.78	0.76	3.95	16.3±0.5	440	30
24	9X12AWG	7	0.78	0.76	3.95	17.5±0.5	490	30
25	10X12AWG	7	0.78	0.76	3.95	19.2±0.5	552	30
26	12X12AWG	7	0.78	0.76	3.95	20.0±0.5	648	30
27	15X12AWG	7	0.78	0.76	3.95	22.4±0.6	827	30
28	19X12AWG	7	0.78	0.76	3.95	24.2±0.6	1009	30
29	20X12AWG	7	0.78	0.76	3.95	25.4±0.6	1063	30
30	25X12AWG	7	0.78	0.76	3.95	28.5±0.7	1323	30
31	30X12AWG	7	0.78	0.76	3.95	30.5±0.8	1576	30
32	37X12AWG	7	0.78	0.76	3.95	33.5±1.0	1923	30
33	2X10AWG	7	0.98	0.76	4.6	12.0±0.3	194	40
34	3X10AWG	7	0.98	0.76	4.6	12.7±0.3	260	40
35	4X10AWG	7	0.98	0.76	4.6	14.3±0.3	343	40
36	5X10AWG	7	0.98	0.76	4.6	15.6±0.4	415	40
37	6X10AWG	7	0.98	0.76	4.6	17.0±0.5	487	40
38	7X10AWG	7	0.98	0.76	4.6	17.0±0.5	548	40
39	8X10AWG	7	0.98	0.76	4.6	18.6±0.5	629	40
40	9X10AWG	7	0.98	0.76	4.6	20.2±0.5	712	40
41	10X10AWG	7	0.98	0.76	4.6	22.8±0.6	832	40
42	12X10AWG	7	0.98	0.76	4.6	23.5±0.6	962	40

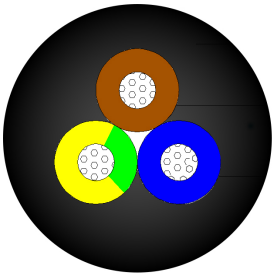
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热固性绝缘热固性护套电力电缆（600V）

UL1277 certified Thermosetting insulated and sheathed power cable (600V)



应用范围

该电缆适用于住宅，商业和工业环境的布线系统的电机供电，在工业环境中的其他电源设备的连接。主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用。也可直埋，敷设于地下管道。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is suitable for the motor power supply of wiring systems in residential, commercial, and industrial environments, as well as the connection of other power equipment in industrial environments. Mainly installed through cable racks, cable ducts, and outdoor applications supported by slings. It can also be directly buried and laid in underground pipelines. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

阻燃等级 VW-1，FT1，FT4 可选；
耐油性能 60℃ PR I or75℃ PR Ⅱ；
室内 / 室外使用 ,,"DIR BUR" 可直埋使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance at 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use, "DIR BUR" can be directly buried for use;
UV resistance performance;
Low temperature resistance performance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER, UL File E515641；
UL44 TYPE XHHW/XHHW-2；
C(UL) 600V Type CIC,CSA C22.2 No.230；
UL1685 Vertical Tray Flame Test；
UL1581;RoHS,REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER, UL File E515641;
UL44 TYPE XHHW/XHHW-2;
C (UL) 600V Type CIC, CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;RoHS,REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体(ASTMB33),铝合金导体(AA8000)；
XLPE 芯线绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
XLPE 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3),
tin plated conductor (ASTMB33), aluminum alloy conductor (AA8000);
XLPE core wire insulation (in compliance with QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tin plated copper wire weaving (optional);
XLPE sheath (compliant with QMTT2 certification);
Color black.

技术参数

额定电压：600V；
测试电压：2000V；
额定温度：90℃；
UL 耐温等级：90℃ Wet or Dry;
工作温度范围：-40 至 +90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

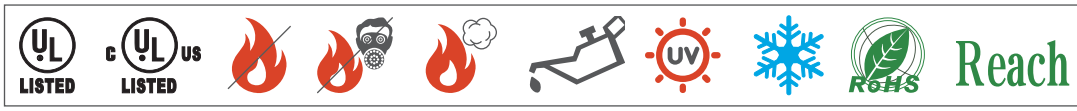
Rated voltage: 600V;
Test voltage: 2000V;
Rated temperature: 90 ℃ ;
UL temperature resistance level: 90 ℃ Wet or Dry;
Working temperature range: -40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.

美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER ▶
- RHW&TC/TC-ER





物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	最小接地线 Minimum ground wire	电缆外径 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
			3 芯				
1	3X10AWG	7	0.98	10AWG	14.3±0.4	343	40
2	3X8AWG	7	1.23	10AWG	17.4±0.6	477	55
3	3X6AWG	7	1.56	8AWG	21.0±0.7	729	75
4	3X4AWG	7	1.96	8AWG	23.8±0.7	1007	95
5	3X2AWG	7	2.47	6AWG	27.5±0.8	1477	130
6	3X1AWG	19	1.69	6AWG	30.4±1.0	1820	145
7	3X1/0AWG	19	1.89	6AWG	32.8±1.2	2191	170
8	3X2/0AWG	19	2.13	6AWG	35.2±1.5	2656	195
9	3X3/0AWG	19	2.39	4AWG	38.4±1.5	3277	225
10	3X4/0AWG	19	2.68	4AWG	41.5±1.5	3981	260
11	3X250KCMIL	37	2.07	4AWG	45.1±1.5	4634	290
12	3X300KCMIL	37	2.27	3AWG	48.5±1.5	5497	320
13	3X350KCMIL	37	2.45	3AWG	51.3±1.5	6289	350
14	3X400KCMIL	37	2.62	3AWG	53.4±1.5	7037	380
15	3X500KCMIL	37	2.93	2AWG	58.3±1.8	8639	430
			4 芯				
1	4X10AWG	7	0.98	10AWG	15.9±0.5	415	40
2	4X8AWG	7	1.23	10AWG	19.7±0.7	609	55
3	4X6AWG	7	1.56	8AWG	23.6±0.8	922	75
4	4X4AWG	7	1.96	8AWG	26.4±0.8	1262	95
5	4X2AWG	7	2.47	6AWG	31.0±1.0	1889	130
6	4X1AWG	19	1.69	6AWG	34.4±1.2	2339	145
7	4X1/0AWG	19	1.89	6AWG	37.2±1.5	2825	170
8	4X2/0AWG	19	2.13	6AWG	39.5±1.5	3400	195
9	4X3/0AWG	19	2.39	4AWG	43.4±1.5	4234	225
10	4X4/0AWG	19	2.68	4AWG	47.5±1.5	5208	260
11	4X250KCMIL	37	2.07	4AWG	51.4±1.5	6022	290
12	4X300KCMIL	37	2.27	3AWG	55.2±1.5	7140	320
13	4X350KCMIL	37	2.45	3AWG	58.4±1.8	8184	350
14	4X400KCMIL	37	2.62	3AWG	61.0±1.8	9178	380
15	4X500KCMIL	37	2.93	2AWG	66.2±2.0	11208	430

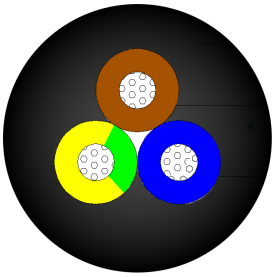
新能源电缆 NEW ENERGY CABLE

07

TC 类

UL1277 认证 热固性绝缘热固性护套电力电缆（2000V）

UL1277 certified Thermosetting insulated and sheathed power cable (2000V)



应用范围

该电缆适用于住宅，商业和工业环境的布线系统的电机供电，在工业环境中的其他电源设备的连接。主要通过电缆架，电缆管道安装，以及有吊索支撑的户外应用。也可直埋，敷设于地下管道。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is suitable for the motor power supply of wiring systems in residential, commercial, and industrial environments, as well as the connection of other power equipment in industrial environments. Mainly installed through cable racks, cable ducts, and outdoor applications supported by slings. It can also be directly buried and laid in underground pipelines. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

阻燃等级 VW-1，FT1，FT4 可选；
耐油性能 60℃ PR I or 75℃ PR Ⅱ；
室内 / 室外使用 ,"DIR BUR" 可直埋使用；
抗紫外线性能；
耐低温性能。

Product characteristics

Flame retardant grade VW-1, FT1, FT4 optional;
Oil resistance 60 ℃ PR I or 75 ℃ PR II;
Indoor/outdoor use, "DIR BUR" can be directly buried for use;
UV resistance performance;
Low temperature resistance performance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER, UL File E515641；
UL44 TYPE RHW/RHW-2；
C(UL) 2000V Type CIC,CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;RoHS,REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER, UL File E515641;
UL44 TYPE RHW/RHW-2;
C (UL) 2000V Type CIC, CSA C22.2 No.230;
UL1685 Vertical Tray Flame Test;
UL1581;RoHS,REACH.

电缆结构

可选裸铜导体（ASTM B3），
镀锡导体(ASTMB33),铝合金导体(AA8000)；
XLPE 芯线绝缘（符合 QMTT2 认证）；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
XLPE 护套（符合 QMTT2 认证）；
颜色黑色。

Cable structure

Optional bare copper conductor (ASTM B3),
tin plated conductor (ASTMB33), aluminum alloy conductor (AA8000);
XLPE core wire insulation (in compliance with QMTT2 certification);
Aluminum plastic composite film wrapping (optional);
Tin plated copper wire weaving (optional);
XLPE sheath (compliant with QMTT2 certification);
Color black.

技术参数

额定电压：2000V；
测试电压：5000V；
额定温度：90℃；
UL 耐温等级：90℃ Wet or Dry;
工作温度范围：-40 至 +90℃；
最小弯曲半径：15X 电缆直径。

Technical parameters

Rated voltage: 2000V;
Test voltage: 5000V;
Rated temperature: 90 ℃ ;
UL temperature resistance level: 90 ℃ Wet or Dry;
Working temperature range: -40 to+90 ℃ ;
Minimum bending radius: 15X cable diameter.

美标 UL1277 认证

AMERICAN STANDARD UL1277

- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- XHHW&TC/TC-ER
- THHN&TC/TC-ER
- RHW&TC/TC-ER
- XHHW&TC/TC-ER
- XHHW&TC/TC-ER
- RHW&TC/TC-ER





物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	导体根数 No. of conductor	导体直径 mm Conductor diameter	最小接地线 Minimum ground wire	电缆外径 mm Cable outer diameter	参考重量 kg/km Reference weight	参考电流（A） Reference current
			3 芯 +1 地				
1	3X10AWG	7	0.98	10AWG	18.0±0.5	503	40
2	3X8AWG	7	1.23	10AWG	21.5±0.7	735	55
3	3X6AWG	7	1.56	8AWG	24.7±0.8	1036	75
4	3X4AWG	7	1.96	8AWG	28.0±0.8	1435	95
5	3X2AWG	7	2.47	6AWG	32.5±1.0	2070	130
6	3X1AWG	19	1.69	6AWG	38.3±1.2	2752	145
7	3X1/0AWG	19	1.89	6AWG	41.1±1.5	3282	170
8	3X2/0AWG	19	2.13	6AWG	44.4±1.5	3976	195
9	3X3/0AWG	19	2.39	4AWG	47.9±1.5	4802	225
10	3X4/0AWG	19	2.68	4AWG	51.8±1.8	5813	260
11	3X250KCMIL	37	2.07	4AWG	56.9±1.8	6866	290
12	3X300KCMIL	37	2.27	3AWG	60.9±2.0	8053	320
13	3X350KCMIL	37	2.45	3AWG	64.3±2.0	9183	350
14	3X400KCMIL	37	2.62	3AWG	67.2±2.0	10256	380
15	3X500KCMIL	37	2.93	2AWG	72.8±2.0	12444	430
			4 芯 +1 地				
1	4X10AWG	7	0.98	10AWG	20.1±0.5	628	40
2	4X8AWG	7	1.23	10AWG	24.0±0.7	914	55
3	4X6AWG	7	1.56	8AWG	27.5±0.8	1283	75
4	4X4AWG	7	1.96	8AWG	31.5±1.0	1808	95
5	4X2AWG	7	2.47	6AWG	36.0±1.2	2560	130
6	4X1AWG	19	1.69	6AWG	42.4±1.5	3396	145
7	4X1/0AWG	19	1.89	6AWG	45.5±1.5	4051	170
8	4X2/0AWG	19	2.13	6AWG	49.1±1.5	4908	195
9	4X3/0AWG	19	2.39	4AWG	53.0±1.8	5929	225
10	4X4/0AWG	19	2.68	4AWG	57.5±1.8	7209	260
11	4X250KCMIL	37	2.07	4AWG	63.1±2.0	8509	290
12	4X300KCMIL	37	2.27	3AWG	67.3±2.0	9943	320
13	4X350KCMIL	37	2.45	3AWG	71.1±2.0	11339	350
14	4X400KCMIL	37	2.62	3AWG	74.3±2.0	12674	380
15	4X500KCMIL	37	2.93	2AWG	80.2±2.0	15308	430

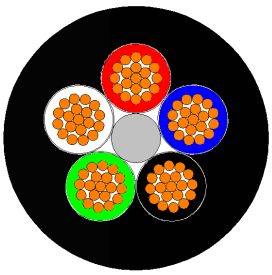
新能源电缆 NEW ENERGY CABLE

07

WTTC

UL2277 认证 风力涡轮机托盘电缆

UL2277 Certified Wind Turbine Tray Cable



美标 UL2277 认证

AMERICAN STANDARD UL2277

TC-ER & WTTC

TC-ER & VFD



应用范围

该电缆主要应用于风能发电场合，安装于风力发电机内部，通过电缆桥架或配管敷设。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

The cable is mainly used in wind power generation, installed inside the wind turbine, and laid through cable tray or piping. For export to the North American market using UL/CSA certified cables.

产品特性

阻燃等级 VW-1，FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
抗紫外线性能；
耐低温性能 -40℃；
耐扭住性能。

Product characteristics

Flame retardant grade VW-1, FT4 optional;
Oil resistance 60 ℃ PR Ⅰ or 75 ℃ PR Ⅱ ;
UV resistance;
Low temperature resistance - 40 ℃ ;
Torsion resistance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER；
UL File E515641；
UL83 TYPE THHN/THWN-2；
UL2277 WTTC 1000V；
RoHS，REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER;
UL File E515641;
UL83 TYPE THHN/THWN-2;
UL2277 WTTC 1000V;
RoHS，REACH.

电缆结构

多股细绞裸铜导体；
PVC/Nylon 芯线绝缘，XLPE 可选；
铝塑复合薄膜绕包（可选）；
镀锡铜丝编织（可选）；
PVC 护套；
颜色黑色。

Cable structure

Multi strand fine stranded bare copper conductor;
PVC/Nylon core wire insulation, XLPE optional;
Aluminum plastic composite film wrapping (optional);
Tinned copper wire braid (optional);
PVC sheath;
Color Black.

技术参数

额定电压：600V，1000V；
测试电压：2000V；
温度范围：-40 至+ 90℃；
最小弯曲半径：10X 电缆直径。

Technical parameters

Rated voltage: 600V, 1000V;
Test voltage: 2000V;
Temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 10X cable diameter.



物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	护套厚度 mm Sheath thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	3G1.0mm² (17AWG)	7.4	28.8	82
2	4G1.0mm² (17AWG)	8.0	38.4	95
3	5G1.0mm² (17AWG)	8.6	48.0	112
4	7G1.0mm² (17AWG)	9.3	67.0	144
5	12G1.0mm² (17AWG)	12.0	115.0	247
6	18G1.0mm² (17AWG)	14.7	173.0	365
7	25G1.0mm² (17AWG)	16.7	240.0	464
8	2X1.5mm² (16AWG)	7.3	28.8	74
9	3G1.5mm² (16AWG)	8.1	43.0	100
10	4G1.5mm² (16AWG)	8.8	58.0	119
11	5G1.5mm² (16AWG)	9.5	72.0	141
12	7G1.5mm² (16AWG)	10.3	101.0	183
13	9G1.5mm² (16AWG)	11.9	129.6	247
14	12G1.5mm² (16AWG)	14.1	173.0	328
15	18G1.5mm² (16AWG)	16.4	259.0	403
16	25G1.5mm² (16AWG)	18.6	360.0	596
17	3G2.5mm² (14AWG)	8.9	72.0	125
18	4G2.5mm² (14AWG)	9.8	96.0	155
19	5G2.5mm² (14AWG)	10.7	120.0	185
20	7G2.5mm² (14AWG)	11.6	168.0	244
21	3G4mm² (12AWG)	10.6	115.0	165
22	4G4mm² (12AWG)	11.5	154.0	220
23	5G4mm² (12AWG)	12.6	192.0	269
24	7G4mm² (12AWG)	14.6	269.0	482
25	4G6mm² (10AWG)	14.5	231.0	382
26	5G6mm² (10AWG)	15.8	288.0	457
27	4G10mm² (8AWG)	17.7	384.0	615
28	5G10mm² (8AWG)	19.4	480.0	771
29	4G16mm² (6AWG)	22.5	615.0	864

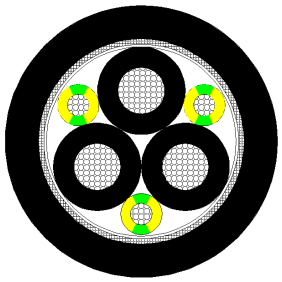
新能源电缆 NEW ENERGY CABLE

07

VFD

UL2277 认证 柔性变频驱动电缆

UL2277 certified flexible variable frequency drive cable



美标 UL2277 认证

AMERICAN STANDARD UL2277

TC-ER & WTTC

TC-ER & VFD

应用范围

该电缆主要应用于工业环境中的大功率变频驱动系统，设备与变频电机之间的相互连接，具有一定的柔性。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

The cable is mainly used in high-power variable frequency drive system in industrial environment. The interconnection between equipment and variable frequency motor has certain flexibility. For export to the North American market using UL/CSA certified cables.

产品特性

阻燃等级 VW-1，FT4 可选；
耐油性能 60℃ PR Ⅰ or 75℃ PR Ⅱ；
抗紫外线性能；
耐低温性能 -40℃；
低电容，抗电磁干扰性能优异。

Product characteristics

Flame retardant grade VW-1, FT4 optional;
Oil resistance 60 ℃ PR Ⅰ or 75 ℃ PR Ⅱ ;
UV resistance;
Low temperature resistance - 40 ℃ ;
Low capacitance, excellent anti electromagnetic interference performance.

技术认证

UL/cUL 认证；
UL1277 TYPE TC-ER；
UL File E515641；
UL44 TYPE XHHW/XHHW-2；
UL2277 FLEXIBLE MOTOR SUPPLY CABLE；
RoHS，REACH。

Technical certification

UL/cUL certification;
UL1277 TYPE TC-ER;
UL File E515641;
UL44 TYPE XHHW/XHHW-2;
UL2277 FLEXIBLE MOTOR SUPPLY CABLE;
RoHS，REACH。

电缆结构

多股细绞裸铜导体；
XLPE 芯线绝缘；
铝塑复合薄膜绕包；
镀锡铜丝编织，编织密度 85% 以上；
PVC 护套；
颜色黑色。

Cable structure

Multi strand fine stranded bare copper conductor;
XLPE core wire insulation;
Wrapping of aluminum plastic composite film;
Tinned copper wire braid,density above 85%;
PVC sheath;
Color Black.

技术参数

额定电压：600V，1000V；
测试电压：2000V；
温度范围：-40 至+ 90℃；
最小弯曲半径：10X 电缆直径。

Technical parameters

Rated voltage: 600V, 1000V;
Test voltage: 2000V;
Temperature range: - 40 to+90 ℃ ;
Minimum bending radius: 10X cable diameter.





物料编号 Item No	芯数 X 标称截面 AWG Cores X Sectional area	电缆外径 mm Cable outer diameter	铜重量 kg/km Copper weight	电缆重量 kg/km Cable weight
1	3X8AWG+3X14AWG	18.3	447.0	649
2	3X6AWG+3X12AWG	19.3	666.0	872
3	3X4AWG+3X12AWG	25.4	998.0	1354
4	3X2AWG+3X10AWG	30.5	1512.0	1908
5	3X1AWG+3X8AWG	33.0	1940.0	2473
6	3X1/0AWG+3X8AWG	35.6	2328.0	2866
7	3X2/0AWG+3X8AWG	38.1	2816.0	3391
8	3X3/0AWG+3X6AWG	40.6	3598.0	4110
9	3X4/0AWG+3X6AWG	45.7	4313.0	4960
10	3X250KCMIL+3X6AWG	50.8	5019.0	5759
11	3X300KCMIL+3X4AWG	61.0	6131.0	6607
12	3X350KCMIL+3X2AWG	63.5	7472.0	8272
13	3X400KCMIL+3X2AWG	66.0	8261.0	9487
14	3X500KCMIL+3X2AWG	68.6	9976.0	10543



WIPOUS®
维普斯

特殊工业电缆

SPECIAL INDUSTRY CABLES

应用领域APPLICATION FIELD:

·应用在各种抓斗机，龙门吊，起重机的随行供电系统，适用于有频繁收放操作的卷筒设备；

·发电、冶金、化工、港口等恶劣环境下移动电器设备之间电器连接，扁形结构特别适用于行车，起重机等具有频繁弯曲移动且需要一定抗拉要求的设备上。

·在海洋中或在具有酸碱性水域中使用的专用型电缆，该线缆可以实现保障在各种复杂环境下的电气性能保障，用于满足水下作业要求。

· It is applied to the accompanying power supply system of various grab cranes, gantry cranes, and cranes, and is suitable for drum equipment with frequent retraction and retraction operations;

· Electric connection between mobile electrical equipment in harsh environments such as power generation, metallurgy, chemical engineering, and ports. The flat structure is particularly suitable for cranes, cranes, and other equipment that have frequent bending movements and require certain tensile requirements.

· A special type of cable used in the ocean or in acidic and alkaline waters. This cable can achieve electrical performance assurance in various complex environments, and is used to meet the requirements of underwater operations.





特点CHARACTERISTIC:

高抗拉，耐卷绕
High tensile strength and resistance to winding

承受超强的机械负载
Withstand strong mechanical loads

阻燃性符合IEC60332-1-2
Flame retardant in accordance with IEC60332-1-2

耐油性符合EN50290-2-22(TM54)标准
Oil resistance in accordance with EN50290-2-22 (TM54) standard

耐油性符合EN60811-404
Oil resistance according to EN60811-404

PUR护套高度耐磨
PUR sheath, highly wear-resistant

抗紫外光老化性能优异
Excellent UV light aging

耐低温性能优异
Excellent low-temperature resistance

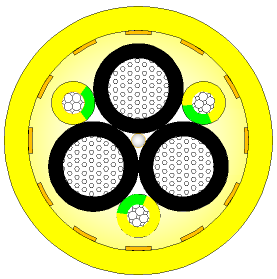
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

TS-CRANE-HPKMCE
TS-CRANE-HPJMCE

CE 认证 PUR 护套抗拉卷筒电缆

CE Certified PUR Sheathed Tension reel Cable



抗拉卷筒电缆

TENSION REEL CABLE

- TS-CRANE-HPKMCE
  TS-CRANE-HPJMCE
- TS-CRANE-HNKMCE
  TS-CRANE-HNJMCE
- YSLTOE-J



应用范围

本产品主要应用在各种抓斗机，龙门吊，起重机的随行供电系统，适用于有频繁收放操作的卷筒设备，尤其适合对该电缆既有拉伸要求，同时又有扭曲及有强制力运动的场合。适合在潮湿或干燥的室内及户外安装。

Scope of application

This product is mainly used in the accompanying power supply system of various grab cranes, gantry cranes and cranes. It is suitable for drum equipment with frequent retraction and retraction operations, especially for the occasions where the cable is required to be stretched, twisted and forced to move at the same time. Suitable for wet or dry indoor and outdoor installation.

产品特性

高抗拉，耐卷绕；
承受超强的机械负载；
耐油性符合 EN60811-404；
PUR 护套，高度耐磨；
耐低温性能优异。

Product characteristics

High tensile strength, winding resistance;
Bear super strong mechanical load;
Oil resistance shall comply with EN60811-404;
PUR sheath, highly wear-resistant;
Excellent low temperature resistance.

技术认证

CE 认证；
符合 VDE0250；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0250;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
TPE 芯线绝缘；
抗拉加强芯（位于电缆中心位置）；
PUR 内护套；
宽网芳纶编织层；
PUR 外护套；
外护套黑色，黄色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
TPE core insulation;
Tensile reinforcement core (at the center of the cable);
PUR inner sheath;
Wide mesh aramid woven layer;
PUR outer sheath;
Outer sheath color:black, yellow.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
≤ 6mm²：450/750V；
> 6mm²：0.6/1KV。
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：
固定安装：5X 电缆直径；
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage:
≤ 6mm ²: 450/750V;
> 6mm ²: 0.6/1KV.
Insulation resistance: > 20MΩ x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 5X cable diameter;
Moved installation: 7.5X cable diameter.

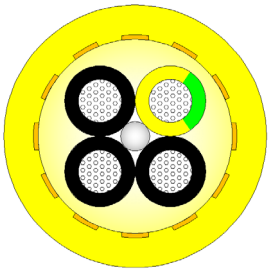
物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	7X1.5mm²	15.4	97	323
2	12X1.5mm²	21.4	166	605
3	18X1.5mm²	26.4	249	917
4	24X1.5mm²	29.5	332	1165
5	36X1.5mm²	36.4	498	1765
6	7X2.5mm²	18.4	161	479
7	12X2.5mm²	26.2	276	933
8	18X2.5mm²	32.5	415	1424
9	24X2.5mm²	36.2	553	1797
10	36X2.5mm²	44.1	829	2676
11	3X6mm²+1X4mm²	17.1	202	457
12	3X10mm²+1X6mm²	21.3	330	719
13	3X16mm²+1X10mm²	25.3	532	1068
14	3X25mm²+1X16mm²	30.9	835	1624
15	3X35mm²+1X16mm²	35.0	1109	2110
16	3X50mm²+1X25mm²	41.5	1604	3003
17	4G70mm²	46.8	2565	4205
18	4G95mm²	53.4	3483	5582
19	4G120mm²	58.2	4395	6824

特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

TS-CRANE-HNKMCE
TS-CRANE-HNJMCE

CE 认证 橡胶护套卷筒电缆
CE Certified Rubber Sheathed Reel Cable



抗拉卷筒电缆
TENSION REEL CABLE

TS-CRANE-HPKMCE
TS-CRANE-HPJMCE
TS-CRANE-HNKMCE
TS-CRANE-HNJMCE
YSLTOE-J



应用范围

本产品主要应用在各种抓斗机，龙门吊，起重机的随行供电系统，适用于有频繁收放操作的卷筒设备，尤其适合对该电缆既有拉伸要求，同时又有扭曲及有强制力运动的场合。适合在潮湿或干燥的室内及户外安装。

Scope of application

This product is mainly used in the accompanying power supply system of various grab cranes, gantry cranes and cranes. It is suitable for drum equipment with frequent retraction and retraction operations, especially for the occasions where the cable is required to be stretched, twisted and forced to move at the same time. Suitable for wet or dry indoor and outdoor installation.

产品特性

高抗拉，耐卷绕；
承受超强的机械负载；
耐油性符合 EN60811-404；
阻燃性能符合 IEC60332-1-2；
耐水解，耐盐雾，耐霉菌；
耐寒，最低耐温 -50℃。

Product characteristics

High tensile strength, winding resistance;
Bear super strong mechanical load;
Oil resistance shall comply with EN60811-404;
Flame retardant performance shall conform to IEC60332-1-2;
Hydrolysis resistant, salt fog resistant, mold resistant;
Cold resistance, minimum temperature resistance - 50 ℃ .

技术认证

CE 认证；
符合 VDE0250；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0250;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
橡胶混合料芯线绝缘；
抗拉加强芯（位于电缆中心位置）；
橡胶混合料内护套；
宽网芳纶编织层；
橡胶混合料外护套；
外护套黑色，黄色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
Rubber compound core wire insulation;
Tensile reinforcement core (at the center of the cable);
Inner sheath of rubber mixture;
Wide mesh aramid woven layer;
Outer sheath of rubber mixture;
Outer sheath color: black, yellow.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
≤ 6mm²：450/750V；
> 6mm²：0.6/1KV。
绝缘电阻：> 20MΩ x km；
测试电压：4000V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：-60 至+ 105℃；
移动安装：-50 至+ 90℃。
最小弯曲半径：
固定安装：5X 电缆直径；
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: in accordance with IEC60228 Class 5 standard.
Rated voltage:
≤ 6mm ²: 450/750V;
> 6mm ²: 0.6/1KV.
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: - 60 to+105 ℃ ;
Moved installation: - 50 to+90 ℃ .
Minimum bending radius:
fixed installation: 5X cable diameter;
Moved installation: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	7X1.5mm²	15.4	97	301
2	12X1.5mm²	21.4	166	563
3	18X1.5mm²	26.4	249	853
4	24X1.5mm²	29.5	332	1084
5	36X1.5mm²	36.4	498	1642
6	7X2.5mm²	18.4	161	445
7	12X2.5mm²	26.2	276	868
8	18X2.5mm²	32.5	415	1324
9	24X2.5mm²	36.2	553	1672
10	36X2.5mm²	44.1	829	2489
11	3X6mm²+1X4mm²	17.1	201.6	425
12	3X10mm²+1X6mm²	21.3	330.3	668
13	3X16mm²+1X10mm²	25.3	531.9	993
14	3X25mm²+1X16mm²	30.9	835.2	1510
15	3X35mm²+1X16mm²	35.0	1109.2	1963
16	3X50mm²+1X25mm²	41.5	1603.7	2793
17	4G70mm²	46.8	2564.9	3911
18	4G95mm²	53.4	3482.9	5191
19	4G120mm²	58.2	4395.5	6346

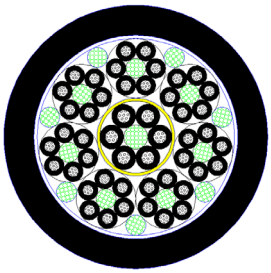
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

YSLTOE-J

CE 认证 PUR 护套蓄缆框吊具电缆

CE certified PUR sheathed cable storage frame sling cable



抗拉卷筒电缆

TENSION REEL CABLE

TS-CRANE-HPKMCE
TS-CRANE-HPJMCE

TS-CRANE-HNKMCE
TS-CRANE-HNJMCE

YSLTOE-J



应用范围

吊具电缆作为垂直升降机或起重机连接和控制电缆，专业应用于具备极高的机械强度的垂直升降场合，可安装在干燥或潮湿的室内室外以及工业环境下。广泛应用于建筑施工垂直升降机、大型龙门吊式起重机、斗轮机卷筒卷盘、港口门座式起重机、集装箱起重机、抓斗装（卸）船机、塔式起重机等重型机械等。

Scope of application

As a connection and control cable for vertical elevators or cranes, sling cables are professionally used in vertical lifting situations with extremely high mechanical strength, and can be installed in dry or humid indoor, outdoor, and industrial environments. Widely used in construction vertical elevators, large gantry cranes, bucket wheel drum reels, port gantry cranes, container cranes, grab loading (unloading) ships, tower cranes and other heavy machinery.

产品特性

阻燃、抗紫外线、耐油、耐酸碱腐蚀等化学物质、抗臭氧、抗撕裂、耐弯折；

中央承载加强芯化解了张力并确保电缆自由悬挂，收线，放线以及长距离偏斜；

电缆置入铅珠链来增强电缆的重量，防止电缆在大风天气场合下扭曲或钩挂。

Product characteristics

Flame retardant, UV resistant, oil resistant, acid and alkali resistant and other chemicals, ozone resistant, tear resistant and bending resistant;
The central bearing reinforcing core defuses the tension and ensures the free suspension, take-up, paying off and long-distance deflection of the cable;
The cable is placed with lead bead chain to enhance the weight of the cable and prevent the cable from twisting or hooking in windy weather.

技术认证

CE 认证；
符合 VDE0250；
RoHS，REACH。

Technical certification

CE certification;
Conform to VDE0250;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 6 类;
特种橡胶混合料芯线绝缘;
抗拉加强芯（位于电缆中心位置）;
宽网芳纶抗扭编织层;
置入防风元件;
PUR 外护套;
外护套黑色，黄色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Category 6;
Special rubber compound core wire insulation;
Tensile reinforcement core (at the center of the cable);
Wide mesh aramid torsional braid;
Place the windproof element;
PUR outer sheath;
Outer sheath color:black, yellow.

技术参数

芯线标识:
根据 DIN VDE0293 黑色芯线白色数字编号;
导体电阻：符合 IEC60228 6 类标准;
额定电压:
≤ 6mm²：450/750V;
> 6mm²：0.6/1KV。
绝缘电阻：> 20MΩ x km
测试电压：4000V
接地保护芯线:
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围:
固定安装：−40 至+ 80℃;
移动安装：−40 至+ 80℃。
最小弯曲半径:
固定安装：5X 电缆直径;
移动安装：7.5X 电缆直径。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: in accordance with IEC60228 Class 6 standard;
Rated voltage:
≤ 6mm ²: 450/750V;
> 6mm ²: 0.6/1KV.
Insulation resistance: > 20M Ω x km;
Test voltage: 4000V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius:
fixed installation: 5X cable diameter;
Moved installation: 7.5X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	24G2.5mm²	33.0	1800	300
2	30G2.5mm²	37.5	2000	300
3	36G2.5mm²	40.5	2200	300
4	42G2.5mm²	41.0	2600	400
5	48G2.5mm²	45.2	3000	500

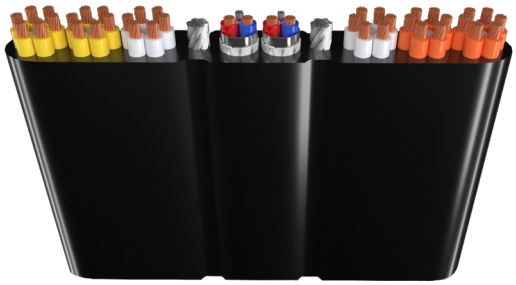
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

H05VVH6-F
H07VVH6-F

CE 认证 PVC 弹性体护套扁平电缆

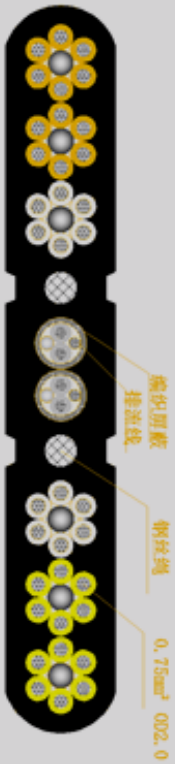
CE certified PVC elastomer sheathed flat cable



扁平电缆

FLAT CABLE

- H05VVH6-F H07VVH6-F
- H05VVD3H6-F H07VVD3H6-F
- TS-FB-HPKMCE
- TS-FB-HPKMCE-G
- TS-FB-HNKMCE



应用范围

本产品主要应用在发电、冶金、化工、港口等恶劣环境下移动电器设备之间电器连接，扁形结构特别适用于行车，起重机等具有频繁弯曲移动且需要一定抗拉要求的设备上。适合在潮湿或干燥的室内及户外安装。

Scope of application

This product is mainly used for electrical connection between mobile electrical equipment in harsh environments such as power generation, metallurgy, chemical industry and ports. The flat structure is especially suitable for cranes and other equipment with frequent bending movement and certain tensile requirements. Suitable for wet or dry indoor and outdoor installation.

产品特性

较小的弯曲半径；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
抗紫外光老化性能优异；
耐低温，防水性能优异。

Product characteristics

Smaller bending radius;
Flame retardancy conforms to IEC60332-1-2;
Oil resistance meets EN50290-2-22 (TM54) standard;
Excellent UV light aging resistance;
Low temperature resistance and excellent waterproof performance.

技术认证

CE 认证；
符合 EN50525-2-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50525-2-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
PVC 芯线绝缘；
特制耐油弹性体 PVC 外护套；
外护套黑色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
PVC core wire insulation;
Special oil resistant elastomer PVC outer sheath;
Outer sheath color:black.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
< 1.5mm²：300/500V；
⩾ 1.5mm²：450/750V。
测试电压：2500V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 70℃；
移动安装：−15 至+ 70℃。
最小弯曲半径：10X 电缆厚度。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: in accordance with IEC60228 Class 5 standard;
Rated voltage:
< 1.5mm ²: 300/500V;
⩾ 1.5mm ²: 450/750V.
Test voltage: 2500V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+70 ℃ ;
Moved installation: − 15 to+70 ℃ .
Minimum bending radius: 10X cable thickness.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
H05VVH6-F				
1	12G1.0mm²	36.0x4.7	115	392
2	16G1.0mm²	48.5x4.7	154	521
3	20G1.0mm²	59.0x4.7	192	645
4	24G1.0mm²	71.5x4.7	230	772
H07VVH6-F				
1	4G1.5mm²	15.5x5.2	57.6	132
2	5G1.5mm²	19.7x5.2	72.0	170
3	7G1.5mm²	27.0x5.2	100.8	236
4	8G1.5mm²	29.0x5.2	115.0	266
5	10G1.5mm²	36.5x5.2	144.0	333
6	12G1.5mm²	42.0x5.2	172.8	422
7	4G2.5mm²	19.0x5.9	96.0	206
8	5G2.5mm²	24.0x5.9	120.0	257
9	7G2.5mm²	32.5x5.9	168.0	345
10	8G2.5mm²	35.0x5.9	192.0	390
11	12G2.5mm²	52.5x5.9	288.0	580
12	4G4mm²	21.0x6.8	153.6	343
13	7G4mm²	38.0x6.8	268.8	589
14	4G6mm²	24.0x7.3	230.0	425
15	4G10mm²	30.5x9.5	384.0	709
16	4G16mm²	35.0x10.8	614.0	1015
17	4G25mm²	42.0x13.0	960.0	1366

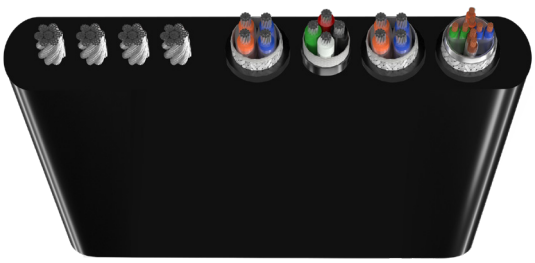
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

H05VVD3H6-F/H07VVD3H6-F

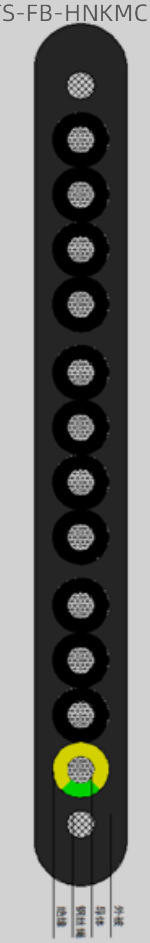
CE 认证 带钢丝支撑 PVC 弹性体护套扁平电缆

CE certified PVC elastomer sheathed flat cable with steel wire support



扁平电缆
FLAT CABLE

H05VVH6-F
H07VVH6-F
H05VVD3H6-F
H07VVD3H6-F
TS-FB-HPKMCE
TS-FB-HPKMCE-G
TS-FB-HNKMCE



应用范围

本产品主要应用在发电、冶金、化工、港口等恶劣环境下移动电器设备之间电器连接，扁形结构特别适用于行车，起重机等具有频繁弯曲移动且需要一定抗拉要求的设备上。适合在潮湿或干燥的室内及户外安装。在扁电缆芯两侧增加钢丝绳或其他承力元件，增加电缆抗拉性能。

Scope of application

This product is mainly used for electrical connection between mobile electrical equipment in harsh environments such as power generation, metallurgy, chemical industry, ports, etc. The flat structure is especially suitable for cranes, cranes and other equipment with frequent bending movements and certain tensile requirements. Suitable for indoor and outdoor installation in wet or dry places. Add steel wire rope or other load-bearing elements on both sides of the flat cable core to increase the tensile performance of the cable.

产品特性

较小的弯曲半径；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN50290-2-22(TM54) 标准；
抗拉力性能优异；
抗紫外光老化性能优异；
耐低温，防水性能优异。

Product characteristics

Smaller bending radius;
Flame retardance conforms to IEC60332-1-2;
Oil resistance conforms to EN50290-2-22 (TM54) standard;
Excellent tensile resistance;
Excellent UV aging resistance;
Low temperature resistance and excellent waterproof performance.

技术认证

CE 认证；
符合 EN50214/VDE0283-2；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50214/VDE0283-2;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特制丁腈聚合物芯线绝缘；
芯线两侧增加承重绳（钢丝绳）；
特制丁腈聚合物外护套；
外护套黑色。

Cable structure

Stranded bare copper wire, conform to IEC60228 standard, Class 5;
Special nitrile polymer core wire insulation;
Add bearing rope (steel wire rope) on both sides of core wire;
Special nitrile polymer outer sheath;
Outer sheath color:black.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
< 1.5mm²：300/500V；
⩾ 1.5mm²：450/750V。
测试电压：2500V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 70℃；
移动安装：−15 至+ 70℃。
最小弯曲半径：10X 电缆厚度。

Technical parameters

Core identification:
black core white number according to DIN VDE0293;
Conductor resistance: conform to IEC60228 Class 5 standard;
Rated voltage:
< 1.5mm ²: 300/500V;
⩾ 1.5mm ²: 450/750V.
Test voltage: 2500V;
Grounding protection core:
G=including yellow-green grounding protection core;
X=excluding yellow-green grounding protection core.
Temperature range:
fixed installation: − 40 to+70 ℃ ;
Moved installation: − 15 to+70 ℃ .
Minimum bending radius: 10X cable thickness.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
H05VVD3H6-F				
1	12G1.0mm²	40.0x4.7	115	439
2	16G1.0mm²	52.5x4.7	154	584
3	20G1.0mm²	63.0x4.7	192	722
4	24G1.0mm²	75.5x4.7	230	865
H07VVD3H6-F				
1	4G1.5mm²	19.5x5.2	57.6	148
2	5G1.5mm²	23.7x5.2	72.0	190
3	7G1.5mm²	31.0x5.2	100.8	264
4	8G1.5mm²	33.0x5.2	115.0	298
5	10G1.5mm²	40.5x5.2	144.0	373
6	12G1.5mm²	46.0x5.2	172.8	473
7	4G2.5mm²	23.0x5.9	96.0	231
8	5G2.5mm²	28.0x5.9	120.0	288
9	7G2.5mm²	36.5x5.9	168.0	386
10	8G2.5mm²	39.0x5.9	192.0	437
11	12G2.5mm²	56.5x5.9	288.0	650
12	4G4mm²	25.0x6.8	153.6	384
13	7G4mm²	42.0x6.8	268.8	660
14	4G6mm²	28.0x7.3	230.0	476
15	4G10mm²	34.5x9.5	384.0	794
16	4G16mm²	39.0x10.8	614.0	1137
17	4G25mm²	46.0x13.0	960.0	1530

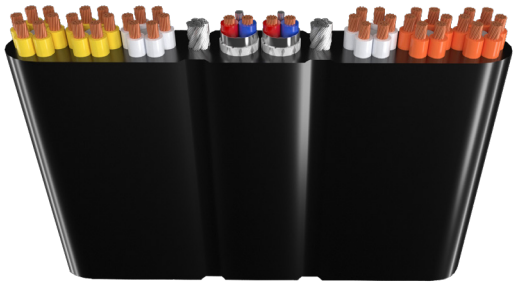
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

TS-FB-HPKMCE

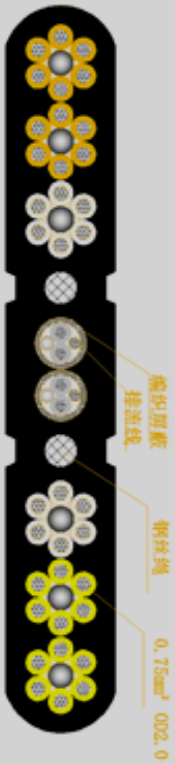
CE 认证 PUR 护套扁平电缆

CE certified PUR sheathed flat cable



扁平电缆
FLAT CABLE

- H05VVH6-F
  H07VVH6-F
- H05VVD3H6-F
  H07VVD3H6-F
- TS-FB-HPKMCE
- TS-FB-HPKMCE-G
- TS-FB-HNKMCE



应用范围

本产品主要应用在发电、冶金、化工、港口等恶劣环境下移动电器设备之间电器连接，扁形结构特别适用于行车，起重机等具有频繁弯曲移动且需要一定抗拉要求的设备上。适合在潮湿或干燥的室内及户外安装。坚固的聚氨酯护套特别适合恶劣环境下使用。

Scope of application

This product is mainly used for electrical connection between mobile electrical equipment in harsh environments such as power generation, metallurgy, chemical industry and ports. The flat structure is especially suitable for cranes and other equipment with frequent bending movement and certain tensile requirements. Suitable for wet or dry indoor and outdoor installation. The rugged polyurethane jacket is particularly suitable for use in harsh environments.

产品特性

较小的弯曲半径；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，特别耐磨；
抗紫外光老化性能优异；
耐低温，防水性能优异。

Product characteristics

Smaller bending radius;
Flame retardancy conforms to IEC60332-1-2;
Oil resistance shall comply with EN60811-404;
PUR sheath, especially wear-resistant;
Excellent UV light aging resistance;
Low temperature resistance and excellent waterproof performance.

技术认证

CE 认证；
符合 EN50525-2-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50525-2-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特制丁腈聚合物芯线绝缘；
特制 PUR 弹性体外护套；
外护套黑色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
Special butyronitrile polymer core wire insulation;
Special PUR elastic outer sheath;
Outer sheath color:black.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
< 1.5mm²：300/500V；
⩾ 1.5mm²：450/750V。
测试电压：2500V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：10X 电缆厚度。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: in accordance with IEC60228 Class 5 standard;
Rated voltage:
< 1.5mm ²: 300/500V;
⩾ 1.5mm ²: 450/750V.
Test voltage: 2500V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius: 10X cable thickness.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	12G1.0mm²	36.0x4.7	115	353
2	4G1.5mm²	15.5x5.2	58	119
3	8G1.5mm²	29.0x5.2	115	239
4	12G1.5mm²	42.0x5.2	173	380
5	4G2.5mm²	19.0x5.9	96	185
6	12G2.5mm²	52.5x5.9	288	522
7	4G4mm²	21.2x6.2	148	299
8	4G6mm²	24.9x7.0	220	409
9	4G10mm²	31.2x8.8	367	661
10	4G16mm²	36.5x10.0	587	953
11	4G25mm²	45.1x12.5	918	1482
12	4G35mm²	51.0x14.2	1283	1975
13	4G50mm²	59.8x16.5	1832	2756
14	4G70mm²	68.5x18.8	2565	3722

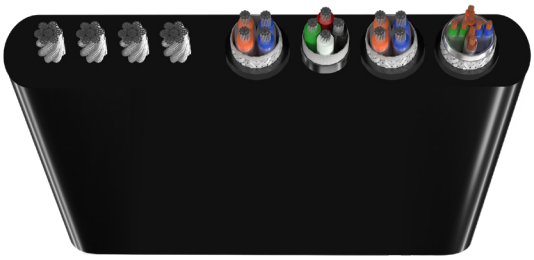
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

TS-FB-HPKMCE-G

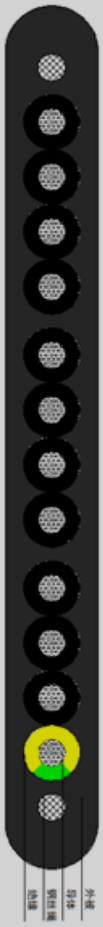
CE 认证
带钢丝支撑 PUR 护套扁平电缆

CE certified PUR sheathed flat cable with steel wire support



扁平电缆
FLAT CABLE

- H05VVH6-F
  H07VVH6-F
- H05VVD3H6-F
  H07VVD3H6-F
- TS-FB-HPKMCE
- TS-FB-HPKMCE-G ▶
- TS-FB-HNKMCE



应用范围

本产品主要应用在发电、冶金、化工、港口等恶劣环境下移动电器设备之间电器连接，扁形结构特别适用于行车，起重机等具有频繁弯曲移动且需要一定抗拉要求的设备上。适合在潮湿或干燥的室内及户外安装。坚固的聚氨酯护套特别适合恶劣环境下使用。在扁电缆芯两侧增加钢丝绳或其他承力元件，增加电缆抗拉性能。

Scope of application

This product is mainly used for electrical connection between mobile electrical equipment in harsh environments such as power generation, metallurgy, chemical industry and ports. The flat structure is especially suitable for cranes and other equipment with frequent bending movement and certain tensile requirements. Suitable for wet or dry indoor and outdoor installation. The rugged polyurethane jacket is particularly suitable for use in harsh environments. Add steel wire rope or other load-bearing elements on both sides of the flat cable core to increase the tensile property of the cable.

产品特性

较小的弯曲半径；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
PUR 护套，特别耐磨；
抗紫外光老化性能优异；
抗拉力性能优异；
耐低温，防水性能优异。

Product characteristics

Smaller bending radius;
Flame retardancy conforms to IEC60332-1-2;
Oil resistance shall comply with EN60811-404;
PUR sheath, especially wear-resistant;
Excellent UV light aging resistance;
Excellent tensile resistance;
Low temperature resistance and excellent waterproof performance.

技术认证

CE 认证；
符合 EN50525-2-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50525-2-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特制丁腈聚合物芯线绝缘；
芯线两侧增加承重绳（钢丝绳或芳纶绳）；
特制 PUR 弹性体外护套；
外护套黑色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
Special butyronitrile polymer core wire insulation;
Load bearing rope (steel wire rope or aramid fiber rope) shall be added on both sides of the core wire
Special PUR elastic outer sheath;
Outer sheath color:black.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
< 1.5mm²：300/500V；
⩾ 1.5mm²：450/750V。
测试电压：2500V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：10X 电缆厚度。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: in accordance with IEC60228 Class 5 standard;
Rated voltage:
< 1.5mm ²: 300/500V;
⩾ 1.5mm ²: 450/750V.
Test voltage: 2500V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius: 10X cable thickness.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	12G1.0mm²	40.0x4.7	115	406
2	4G1.5mm²	19.5x5.2	58	137
3	8G1.5mm²	23.0x5.2	115	275
4	12G1.5mm²	46.0x5.2	173	437
5	4G2.5mm²	23.0x5.9	96	213
6	12G2.5mm²	56.5x5.9	288	600
7	4G4mm²	25.2x6.2	148	344
8	4G6mm²	28.9x7.0	220	470
9	4G10mm²	35.2x8.8	367	760
10	4G16mm²	40.5x10.0	587	1096
11	4G25mm²	49.1x12.5	918	1704
12	4G35mm²	55.0x14.2	1283	2271
13	4G50mm²	63.8x16.5	1832	3169
14	4G70mm²	72.5x18.8	2565	4280

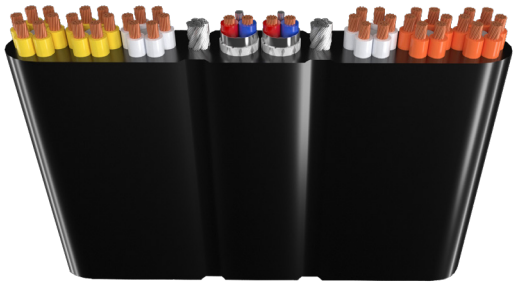
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

TS-FB-HNKMCE

CE 认证 耐低温橡套扁平电缆

CE certified low temperature resistant rubber sheathed flat cable



扁平电缆
FLAT CABLE

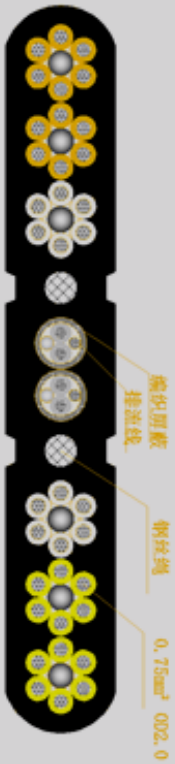
H05VVH6-F
H07VVH6-F

H05VVD3H6-F
H07VVD3H6-F

TS-FB-HPKMCE

TS-FB-HPKMCE-G

TS-FB-HNKMCE



应用范围

本产品主要应用在发电、冶金、化工、港口等恶劣环境下移动电器设备之间电器连接，扁形结构特别适用于行车，起重机等具有频繁弯曲移动且需要一定抗拉要求的设备上。特殊的热塑性合成橡胶不含卤素，特别适合在潮湿环境中使用，如港口，甲板上使用。

Scope of application

This product is mainly used for electrical connection between mobile electrical equipment in harsh environments such as power generation, metallurgy, chemical industry and ports. The flat structure is especially suitable for cranes and other equipment with frequent bending movement and certain tensile requirements. The special thermoplastic synthetic rubber does not contain halogen and is particularly suitable for use in humid environments, such as ports and decks.

产品特性

不含卤素；
较小的弯曲半径；
阻燃性符合 IEC60332-1-2；
耐油性符合 EN60811-404；
抗紫外光老化性能优异；
耐低温，防水性能优异。

Product characteristics

Halogen free;
Smaller bending radius;
Flame retardancy conforms to IEC60332-1-2;
Oil resistance shall comply with EN60811-404;
Excellent UV light aging resistance;
Low temperature resistance and excellent waterproof performance.

技术认证

CE 认证；
符合 EN50525-2-11；
RoHS，REACH。

Technical certification

CE certification;
Conform to EN50525-2-11;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
特殊橡胶混合物芯线绝缘；
特殊橡胶混合物外护套；
外护套黑色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
Special rubber compound core wire insulation;
Outer sheath of special rubber mixture;
Outer sheath color:black.



技术参数

芯线标识：
根据 DIN VDE0293 黑色芯线白色数字编号；
导体电阻：符合 IEC60228 5 类标准；
额定电压：
< 1.5mm²：300/500V；
⩾ 1.5mm²：450/750V。
测试电压：2500V；
接地保护芯线：
G = 含黄绿接地保护芯线，
X = 不含黄绿接地保护芯线。
温度范围：
固定安装：−50 至+ 105℃；
移动安装：−40 至+ 105℃。
最小弯曲半径：10X 电缆厚。

Technical parameters

Core wire identification:
white number of black core wire according to DIN VDE0293;
Conductor resistance: in accordance with IEC60228 Class 5 standard;
Rated voltage:
< 1.5mm ²: 300/500V;
⩾ 1.5mm ²: 450/750V.
Test voltage: 2500V;
Grounding protection core wire:
G=including yellow green grounding protection core wire;
X=excluding yellow green grounding protection core wire.
Temperature range:
fixed installation: − 50 to+105 ℃ ;
Moved installation: − 40 to+105 ℃ .
Minimum bending radius: 10X cable thickness.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	12G1.0mm²	36.0x4.7	115	318
2	4G1.5mm²	15.5x5.2	58	107
3	8G1.5mm²	29.0x5.2	115	215
4	12G1.5mm²	42.0x5.2	173	342
5	4G2.5mm²	19.0x5.9	96	167
6	12G2.5mm²	52.5x5.9	288	470
7	4G4mm²	21.2x6.2	148	269
8	4G6mm²	24.9x7.0	220	368
9	4G10mm²	31.2x8.8	367	594
10	4G16mm²	36.5x10.0	587	858
11	4G25mm²	45.1x12.5	918	1334
12	4G35mm²	51.0x14.2	1283	1777
13	4G50mm²	59.8x16.5	1832	2480
14	4G70mm²	68.5x18.8	2565	3350

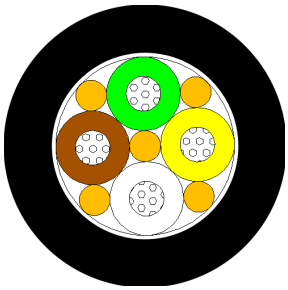
特殊工业电缆
SPECIAL INDUSTRIAL CABLE

08

TS-WTSEA-PUR
TS-WTSEA-C-PUR

CE 认证 特种 PUR 护套防海水水密专用电缆

CE certified special PUR sheathed seawater tight cable



海水电缆
SEAWATER CABLE

TS-WTSEA-PUR
TS-WTSEA-C-PUR

TS-ROV-HPMCE



应用范围

防海水水密电缆是一款在海洋中或在具有酸碱性水域中使用的专用型电缆，该线缆可以实现保障在各种复杂环境下的电气性能保障，用于满足水下作业要求。产品柔性耐曲绕、耐海水腐蚀，且可承受较大承载拉力。

Scope of application

Seawater proof watertight cable is a special cable used in the ocean or in the acidic and alkaline waters. The cable can guarantee the electrical performance in various complex environments and meet the requirements of underwater operations. The product is flexible and resistant to bending and seawater corrosion, and can withstand large bearing tension.

产品特性

不含卤素；
高柔性，耐曲绕；
抗扭力，抗拉力（根据客户要求设计）；
耐水解，耐微生物腐蚀；
耐低温，抗 UV；
纵向水密性能优异。

Product characteristics

Halogen free;
High flexibility and resistance to bending;
Torsion resistance, tensile resistance (designed according to customer requirements);
Hydrolysis resistant, microbial resistant;
Low temperature resistance, UV resistance;
Excellent longitudinal water tightness.

技术认证

CE 认证；
符合 IEC60227-5；
RoHS，REACH。

Technical certification

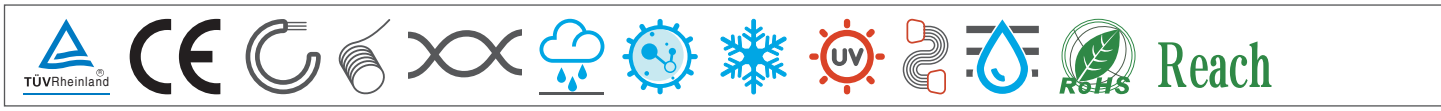
CE certification;
Conform to IEC60227-5;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 6 类；
PE/PP/TPE 芯线绝缘；
芯线绞合成缆（防扭分层结构设计）；
芳纶抗拉元件；
镀锡铜丝屏蔽层（可选）；
特制聚醚性 PUR 内护套（可选）；
凯夫拉抗拉层（可选）；
特制聚醚性 PUR 外护套；
外护套黑色，黄色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Category 6;
PE/PP/TPE core insulation;
Core wire twisted into cable (anti twist layered structure design);
Aramid tensile element;
Tinned copper wire shielding layer (optional);
Special polyether PUR inner sheath (optional);
Kevlar tensile layer (optional);
Special polyether PUR outer sheath;
Outer sheath color:black, yellow.



技术参数

导体电阻：符合 IEC60228 6 类标准；
额定电压：
< 0.5mm²：300/300V；
≥ 0.5mm²：300/500V。
绝缘电阻：> 20MΩ x km；
测试电压：
< 0.5mm²：1500V；
≥ 0.5mm²：2000V。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：7.5X 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 6 standard;
Rated voltage:
< 0.5mm ²: 300/300V;
≥ 0.5mm ²: 300/500V.
Insulation resistance: > 20M Ω x km;
Test voltage:
< 0.5mm ²: 1500V;
≥ 0.5mm ²: 2000V.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius: 7.5X cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.34mm²	4.9	6.1	25
2	3X0.34mm²	5.1	9.2	30
3	4X0.34mm²	5.5	12.2	36
4	5X0.34mm²	5.9	15.3	43
5	2X0.5mm²	5.8	9.1	39
6	3G0.5mm²	6.1	13.6	46
7	4G0.5mm²	6.5	18.1	56
8	5G0.5mm²	7.1	22.7	67
9	7G0.5mm²	7.8	31.8	85
10	10G0.5mm²	9.8	45.4	124
11	2X0.75mm²	6.2	13.8	48
12	3G0.75mm²	6.5	20.7	57
13	4G0.75mm²	7.0	27.6	70
14	2X1.0mm²	6.7	18.4	58
15	3G1.0mm²	7.1	27.6	70
16	4G1.0mm²	7.6	36.9	87
17	2X1.5mm²	7.5	27.6	77
18	3G1.5mm²	7.9	41.5	95
19	4G1.5mm²	8.8	55.3	121
20	2X2.5mm²	9.0	46.1	118
21	3G2.5mm²	9.7	69.1	151
22	4G2.5mm²	10.8	92.2	192

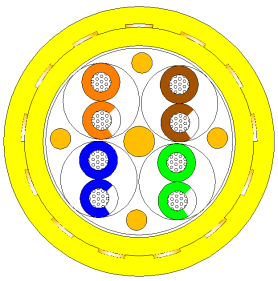
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

TS-ROV-HPMCE

CE 认证 特种 PUR 护套防海水零浮力电缆

CE certified special PUR sheathed seawater free buoyancy cable



海水电缆
SEAWATER CABLE

TS-WTSEA-PUR
TS-WTSEA-C-PUR

TS-ROV-HPMCE ➤



应用范围

零浮力电缆多用于水下机器人或水下设备控制信号线，可克服自重而浮于水面，并且具有良好的防水性能，长期使用缆芯间不产生错位、扭绞及变形，完全可以满足机器人在水下长期工作的需求。

Scope of application

The zero buoyancy cable is mostly used for underwater robots or underwater equipment control signal lines. It can overcome self weight and float on the water surface, and has good waterproof performance. Long term use of cable cores does not produce dislocation, twisting and deformation, which can fully meet the long-term work needs of robots underwater.

产品特性

不含卤素；
高柔性，耐曲绕；
抗扭力，抗拉力（根据客户要求设计）；
耐水解，耐微生物腐蚀；
耐低温，抗 UV。

Product characteristics

Halogen free;
High flexibility and resistance to bending;
Torsion resistance, tensile resistance (designed according to customer requirements);
Hydrolysis resistant, microbial resistant;
Low temperature resistance, UV resistance.

技术认证

CE 认证；
符合 IEC60227-5；
RoHS，REACH。

Technical certification

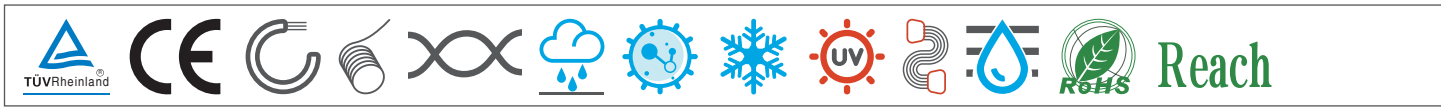
CE certification;
Conform to IEC60227-5;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 6 类；
PE/PP/TPE 芯线绝缘；
芯线绞合成缆（防扭分层结构设计）；
芳纶抗拉元件；
镀锡铜丝屏蔽层（可选）；
特制耐海水浮力发泡 PU 内护套；
特制聚醚性 PUR 外护套；
外护套黄色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Category 6;
PE/PP/TPE core insulation;
Core wire twisted into cable (anti twist layered structure design);
Aramid tensile element;
Tinned copper wire shielding layer (optional);
Special sea water buoyancy resistant foamed PU inner sheath;
Special polyether PUR outer sheath;
Outer sheath color:yellow.



技术参数

导体电阻：符合 IEC60228 6 类标准；
额定电压：
< 0.5mm²：300/300V；
≥ 0.5mm²：300/500V。
绝缘电阻：> 20MΩ x km；
测试电压：
< 0.5mm²：1500V；
≥ 0.5mm²：2000V。
温度范围：
固定安装：−40 至+ 80℃；
移动安装：−40 至+ 80℃。
最小弯曲半径：6X 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 6 standard;
Rated voltage:
< 0.5mm ²: 300/300V;
≥ 0.5mm ²: 300/500V.
Insulation resistance: > 20M Ω x km;
Test voltage:
< 0.5mm ²: 1500V;
≥ 0.5mm ²: 2000V.
Temperature range:
fixed installation: − 40 to+80 ℃ ;
Moved installation: − 40 to+80 ℃ .
Minimum bending radius: 6X cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	2X0.34mm²	6.5	6.1	33
2	3X0.34mm²	6.8	9.2	36
3	4X0.34mm²	7.2	12.2	40
4	5X0.34mm²	8.0	15.3	49
5	2X0.5mm²	7.5	9.1	43
6	3G0.5mm²	8.0	13.6	49
7	4G0.5mm²	8.8	18.1	60
8	5G0.5mm²	9.5	22.7	69
9	7G0.5mm²	10.8	31.8	90
10	10G0.5mm²	13.0	45.4	130
11	2X0.75mm²	8.3	13.8	53
12	3G0.75mm²	9.0	20.7	62
13	4G0.75mm²	9.8	27.6	74
14	2X1.0mm²	9.1	18.4	64
15	3G1.0mm²	9.9	27.6	75
16	4G1.0mm²	10.9	36.9	91
17	2X1.5mm²	10.3	27.6	82
18	3G1.5mm²	11.5	41.5	102
19	4G1.5mm²	12.8	55.3	126
20	2X2.5mm²	12.6	46.1	122
21	3G2.5mm²	14.3	69.1	157
22	4G2.5mm²	16.0	92.2	197

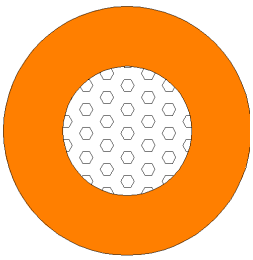
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EV-HLCI-125℃

CE 认证 新能源汽车高压充电电缆

CE certified high-voltage charging cable for new energy vehicles



新能源汽车专用电缆

SPECIAL CABLES FOR NEW ENERGY VEHICLES

- EV-HLCI-125℃
- EV-HLCI-150℃
- EV-HLCI-S-125℃
- EV-HLCI-S-150℃
- EV-HPMCE-TPE
- EV-HPMCE-PUR
- EVDC-HPMCE-TPE
- EVDC-HPMCE-PUR



应用范围

电动汽车上，高压电气系统主要是负责启动、 行驶、充放电、空调动力等。主要包括电池系统、动力总成、高压电控系统、充电系统、高压设备，及其线束系统。电动汽车高压线用于连接充电口与电池、电池内部、电池与发动机及其他元器件以及电池储能设备等领域，作为电力传输的载体。

Scope of application

On electric vehicles, the high-voltage electrical system is mainly responsible for starting, driving, charging and discharging, air conditioning power, etc. It mainly includes battery system, power assembly, high-voltage electric control system, charging system, high-voltage equipment and its harness system. The high-voltage line of electric vehicle is used to connect the charging port with the battery, the inside of the battery, the battery and the engine, other components, battery energy storage equipment and other fields, as the carrier of power transmission.

产品特性

低烟，不含卤素；
可承受大电流高电压；
耐高低温环境；
耐油污和化学品；
阻燃性能符合 IEC60332-1-2；
安全环保。

Product characteristics

Low smoke, halogen free;
Can withstand high current and high voltage;
High and low temperature resistance;
Resistance to oil and chemicals;
Flame retardant performance shall conform to IEC60332-1-2;
Safety and environmental protection.

技术认证

CE 认证
符合 ISO6722, QC/T1037
RoHS，REACH。

Technical certification

CE certification;
Conform to ISO6722, QC/T1037;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
XLPE 芯线绝缘；
外护套橙色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
XLPE core wire insulation;
Outer sheath color:orange.



技术参数

导体电阻：符合 IEC60228 5 类标准；
额定电压：1000VAC,1500VDC；
测试电压：5000V/5min；
温度范围：−40 至+ 125℃；
最小弯曲半径：
OD＜15mm：4* 电缆外径；
OD≧15mm：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 1000VAC, 1500VDC;
Test voltage: 5000V/5min;
Temperature range: − 40 to+125 ℃ ;
Minimum bending radius:
OD ＜ 15mm: 4 * cable outer diameter;
OD ⩾ 15mm: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	0.8	3.2	14	24
2	1X2.5mm²	1.0	4.1	23	39
3	1X4.0mm²	1.0	4.6	37	56
4	1X6.0mm²	1.0	5.4	55	76
5	1X10mm²	1.0	6.4	92	118
6	1X16mm²	1.1	7.8	147	183
7	1X25mm²	1.3	9.7	229	283
8	1X35mm²	1.3	11.0	321	383
9	1X50mm²	1.5	13.1	458	544
10	1X70mm²	1.5	14.9	642	741
11	1X95mm²	1.5	16.9	871	985
12	1X120mm²	1.5	18.6	1099	1226
13	1X150mm²	1.8	21.0	1375	1546
14	1X185mm²	2.0	23.4	1696	1907
15	1X240mm²	2.2	26.5	2200	2464

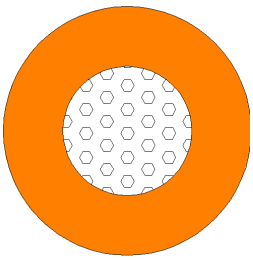
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EV-HLCI-150℃

CE 认证 新能源汽车高压充电电缆

CE certified high-voltage charging cable for new energy vehicles



新能源汽车专用电缆

SPECIAL CABLES FOR NEW ENERGY VEHICLES

- EV-HLCI-125℃
- EV-HLCI-150℃
- EV-HLCI-S-125℃
- EV-HLCI-S-150℃
- EV-HPMCE-TPE
- EV-HPMCE-PUR
- EVDC-HPMCE-TPE
- EVDC-HPMCE-PUR



应用范围

电动汽车上，高压电气系统主要是负责启动、 行驶、充放电、空调动力等。主要包括电池系统、动力总成、高压电控系统、充电系统、高压设备，及其线束系统。电动汽车高压线用于连接充电口与电池、电池内部、电池与发动机及其他元器件以及电池储能设备等领域，作为电力传输的载体。

Scope of application

On electric vehicles, the high-voltage electrical system is mainly responsible for starting, driving, charging and discharging, air conditioning power, etc. It mainly includes battery system, power assembly, high-voltage electric control system, charging system, high-voltage equipment and its harness system. The high-voltage line of electric vehicle is used to connect the charging port with the battery, the inside of the battery, the battery and the engine, other components, battery energy storage equipment and other fields, as the carrier of power transmission.

产品特性

低烟，不含卤素；
可承受大电流高电压；
耐高低温环境；
耐油污和化学品；
阻燃性能符合 IEC60332-1-2；
安全环保。

Product characteristics

Low smoke, halogen free;
Can withstand high current and high voltage;
High and low temperature resistance;
Resistance to oil and chemicals;
Flame retardant performance shall conform to IEC60332-1-2;
Safety and environmental protection.

技术认证

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
XLPE 芯线绝缘；
外护套橙色。

Technical certification

CE certification;
Conform to ISO6722, QC/T1037;
RoHS，REACH.

电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
XLPE 芯线绝缘；
外护套橙色。

Cable structure

Multi strand stranded bare copper, complying with IEC60228 standard, Class 5;
XLPE core wire insulation;
Outer sheath color:orange.



技术参数

导体电阻：符合 IEC60228 5 类标准；
额定电压：1000VAC,1500VDC；
测试电压：5000V/5min；
温度范围：−40 至+ 150℃；
最小弯曲半径：
OD＜15mm：4* 电缆外径；
OD≧15mm：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 1000VAC, 1500VDC;
Test voltage: 5000V/5min;
Temperature range: − 40 to+150 ℃ ;
Minimum bending radius:
OD ＜ 15mm: 4 * cable outer diameter;
OD ⩾ 15mm: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	0.8	3.2	14	24
2	1X2.5mm²	1.0	4.1	23	39
3	1X4.0mm²	1.0	4.6	37	56
4	1X6.0mm²	1.0	5.4	55	76
5	1X10mm²	1.0	6.4	92	118
6	1X16mm²	1.1	7.8	147	183
7	1X25mm²	1.3	9.7	229	283
8	1X35mm²	1.3	11.0	321	383
9	1X50mm²	1.5	13.1	458	544
10	1X70mm²	1.5	14.9	642	741
11	1X95mm²	1.5	16.9	871	985
12	1X120mm²	1.5	18.6	1099	1226
13	1X150mm²	1.8	21.0	1375	1546
14	1X185mm²	2.0	23.4	1696	1907
15	1X240mm²	2.2	26.5	2200	2464

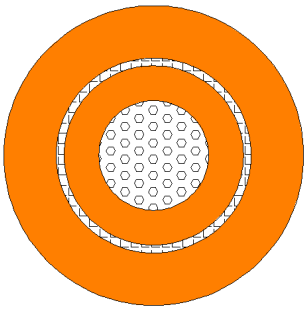
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EV-HLCI-S-125℃

CE 认证 新能源汽车高压充电屏蔽电缆

CE Certified Shielded Cable for High Voltage Charging of New Energy Vehicles



新能源汽车专用电缆

SPECIAL CABLES FOR NEW ENERGY VEHICLES

- EV-HLCI-125℃
- EV-HLCI-150℃
- EV-HLCI-S-125℃ ➤
- EV-HLCI-S-150℃
- EV-HPMCE-TPE
- EV-HPMCE-PUR
- EVDC-HPMCE-TPE
- EVDC-HPMCE-PUR



应用范围

电动汽车上，高压电气系统主要是负责启动、行驶、充放电、空调动力等。主要包括电池系统、动力总成、高压电控系统、充电系统、高压设备，及其线束系统。电动汽车高压线用于连接充电口与电池、电池内部、电池与发动机及其他元器件以及电池储能设备等领域，作为电力传输的载体。优异的屏蔽性能适合在有电磁干扰的环境的中使用。

Scope of application

On electric vehicles, the high-voltage electrical system is mainly responsible for starting, driving, charging and discharging, air conditioning power, etc. It mainly includes battery system, power assembly, high-voltage electric control system, charging system, high-voltage equipment and its harness system. The high-voltage line of electric vehicle is used to connect the charging port with the battery, the inside of the battery, the battery and the engine, other components, battery energy storage equipment and other fields, as the carrier of power transmission. The excellent shielding performance is suitable for use in the environment with electromagnetic interference.

产品特性

低烟，不含卤素；
可承受大电流高电压；
耐高低温环境；
耐油污和化学品；
阻燃性能符合 IEC60332-1-2；
抗电磁干扰；
安全环保。

Product characteristics

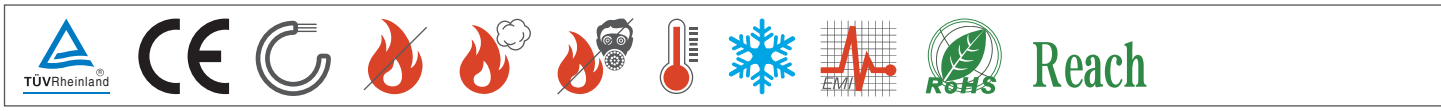
Low smoke, halogen free;
Can withstand high current and high voltage;
High and low temperature resistance;
Resistance to oil and chemicals;
Flame retardant performance shall conform to IEC60332-1-2;
Anti electromagnetic interference;
Safety and environmental protection.

技术认证

CE 认证；
符合 ISO6722, QC/T1037；
RoHS，REACH。

Technical certification

CE certification;
Conform to ISO6722, QC/T1037;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
XLPE 芯线绝缘;
铝箔加镀锡铜丝屏蔽，密度 85% 以上;
XLPE 护套;
外护套橙色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
XLPE core wire insulation;
Aluminum foil and tinned copper wire shield, with a density of more than 85%;
XLPE sheath;
Outer sheath color:orange.

技术参数

导体电阻：符合 IEC60228 5 类标准;
额定电压：1000VAC,1500VDC;
测试电压：5000V/5min;
温度范围：−40 至+ 125℃ ;
最小弯曲半径:
OD < 15mm：4* 电缆外径 ;
OD ≧ 15mm：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 1000VAC, 1500VDC;
Test voltage: 5000V/5min;
Temperature range: − 40 to+125 ℃ ;
Minimum bending radius:
OD < 15mm: 4 * cable outer diameter;
OD ⩾ 15mm: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	绝缘厚度 mm Insulation thickness	护套厚度 mm Sheath thickness	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	0.8	3.2	14	24	51
2	1X2.5mm²	1.0	4.1	23	39	79
3	1X4.0mm²	1.0	4.6	37	56	106
4	1X6.0mm²	1.0	5.4	55	76	133
5	1X10mm²	1.0	6.4	92	118	193
6	1X16mm²	1.1	7.8	147	183	272
7	1X25mm²	1.3	9.7	229	283	403
8	1X35mm²	1.3	11.0	321	383	519
9	1X50mm²	1.5	13.1	458	544	716
10	1X70mm²	1.5	14.9	642	741	953
11	1X95mm²	1.5	16.9	871	985	1223
12	1X120mm²	1.5	18.6	1099	1226	1485
13	1X150mm²	1.8	21.0	1375	1546	1873
14	1X185mm²	2.0	23.4	1696	1907	2295
15	1X240mm²	2.2	26.5	2200	2464	2929

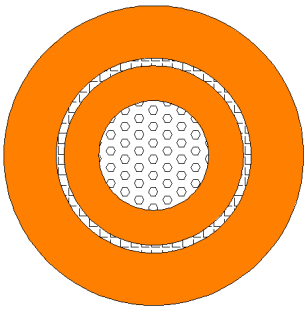
特殊工业电缆
SPECIAL INDUSTRIAL CABLE

08

EV-HLCI-S-150℃

CE 认证 新能源汽车高压充电屏蔽电缆

CE Certified Shielded Cable for High Voltage Charging of New Energy Vehicles



新能源汽车专用电缆

SPECIAL CABLES FOR NEW ENERGY VEHICLES

- EV-HLCI-125℃
- EV-HLCI-150℃
- EV-HLCI-S-125℃
- EV-HLCI-S-150℃
- EV-HPMCE-TPE
- EV-HPMCE-PUR
- EVDC-HPMCE-TPE
- EVDC-HPMCE-PUR



应用范围

电动汽车上，高压电气系统主要是负责启动、行驶、充放电、空调动力等。主要包括电池系统、动力总成、高压电控系统、充电系统、高压设备，及其线束系统。电动汽车高压线用于连接充电口与电池、电池内部、电池与发动机及其他元器件以及电池储能设备等领域，作为电力传输的载体。优异的屏蔽性能适合在有电磁干扰的环境的中使用。

Scope of application

On electric vehicles, the high-voltage electrical system is mainly responsible for starting, driving, charging and discharging, air conditioning power, etc. It mainly includes battery system, power assembly, high-voltage electric control system, charging system, high-voltage equipment and its harness system. The high-voltage line of electric vehicle is used to connect the charging port with the battery, the inside of the battery, the battery and the engine, other components, battery energy storage equipment and other fields, as the carrier of power transmission. The excellent shielding performance is suitable for use in the environment with electromagnetic interference.

产品特性

低烟，不含卤素；
可承受大电流高电压；
耐高低温环境；
耐油污和化学品；
阻燃性能符合 IEC60332-1-2；
抗电磁干扰；
安全环保。

Product characteristics

Low smoke, halogen free;
Can withstand high current and high voltage;
High and low temperature resistance;
Resistance to oil and chemicals;
Flame retardant performance shall conform to IEC60332-1-2;
Anti electromagnetic interference;
Safety and environmental protection.

技术认证

CE 认证；
符合 ISO6722, QC/T1037；
RoHS，REACH。

Technical certification

CE certification;
Conform to ISO6722, QC/T1037;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类；
XLPE 芯线绝缘；
铝箔加镀锡铜丝屏蔽，密度 85% 以上；
XLPE 护套；
外护套橙色。

Cable structure

Multi strand stranded bare copper, complying with IEC60228 standard, Class 5;
XLPE core wire insulation;
Aluminum foil and tinned copper wire shield, with a density of more than 85%;
XLPE sheath;
Outer sheath color:orange.

技术参数

导体电阻：符合 IEC60228 5 类标准；
额定电压：1000VAC,1500VDC;
测试电压：5000V/5min;
温度范围：−40 至+ 150℃；
最小弯曲半径：
OD＜15mm：4* 电缆外径；
OD≧15mm：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 1000VAC, 1500VDC;
Test voltage: 5000V/5min;
Temperature range: − 40 to+150 ℃ ;
Minimum bending radius:
OD ＜ 15mm: 4 * cable outer diameter;
OD ⩾ 15mm: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	绝缘厚度 mm Insulation thickness	护套厚度 mm Sheath thickness	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量约 kg/km Cable weight
1	1X1.5mm²	0.8	0.8	5.3	23	51
2	1X2.5mm²	1.0	1.0	6.6	35	79
3	1X4.0mm²	1.0	1.1	7.3	53	106
4	1X6.0mm²	1.0	1.1	8.1	74	133
5	1X10mm²	1.0	1.3	9.5	114	193
6	1X16mm²	1.1	1.3	10.9	173	272
7	1X25mm²	1.3	1.5	13.2	262	403
8	1X35mm²	1.3	1.5	14.6	358	519
9	1X50mm²	1.5	1.7	17.0	503	716
10	1X70mm²	1.5	1.7	19.0	709	953
11	1X95mm²	1.5	1.7	21.0	947	1223
12	1X120mm²	1.5	1.7	22.7	1182	1485
13	1X150mm²	1.8	2.0	25.7	1469	1873
14	1X185mm²	2.0	2.2	28.5	1800	2295
15	1X240mm²	2.2	2.4	32.0	2319	2929

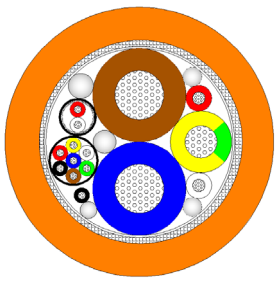
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EV-HPMCE-TPE

CE 认证 新能源汽车充电桩专用交流充电电缆

CE certified AC charging cable for new energy vehicle charging pile



新能源汽车
专用电缆

SPECIAL CABLES FOR
NEW ENERGY VEHICLES

EV-HLCI-125℃
EV-HLCI-150℃
EV-HLCI-S-125℃
EV-HLCI-S-150℃
EV-HPMCE-TPE
EV-HPMCE-PUR
EVDC-HPMCE-TPE
EVDC-HPMCE-PUR



应用范围

电动汽车充电电缆用于连接电动汽车充电装置与充电基础设施，从而对电动汽车进行电力传输，并配备一定数量的信号线、控制线、电源辅助线等来确保整个充电过程控制准确、操作安全无误。充电电缆一般使用于充电站、停车场、酒店、小区、车库等区域，便携式充电电缆可放置在车内。

Scope of application

The electric vehicle charging cable is used to connect the electric vehicle charging device and the charging infrastructure, so as to transmit power to the electric vehicle. It is equipped with a certain number of signal lines, control lines, power supply auxiliary lines, etc. to ensure the accurate control and safe operation of the entire charging process. Charging cables are generally used in charging stations, parking lots, hotels, residential areas, garages and other areas. Portable charging cables can be placed in the car.

产品特性

不含卤素；
耐磨、耐拉、抗开裂；
耐油、耐酸碱、耐水；
高柔性，耐折弯；
耐寒、抗紫外线；
阻燃性能符合 IEC60332-1-2;
安全环保。

Product characteristics

Halogen free;
Wear resistance, tensile resistance and crack resistance;
Oil resistant, acid and alkali resistant, water resistant;
High flexibility and bending resistance;
Cold resistant, UV resistant;
Flame retardant performance shall conform to IEC60332-1-2;
Safety and environmental protection.

技术认证

CE 认证;
符合 IEC62893，EN50620，GB/T 33594，CQC1103-1105;
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC62893, EN50620, GB/T 33594, CQC1103-1105;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
TPE 芯线绝缘;
无纺布绕包;
TPE 护套;
外护套黑色，橙色。

Cable structure

Multi strand stranded bare copper, complying with IEC60228 standard, Class 5;
TPE core insulation;
Non woven fabric wrapping;
TPE sheath;
Outer sheath color:black, orange.

技术参数

导体电阻：符合 IEC60228 5 类标准;
额定电压：450/750V;
测试电压：2500V/15min;
温度范围：−40 至+ 90℃ ;
最小弯曲半径：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 450/750V;
Test voltage: 2500V/15min;
Temperature range: − 40 to+90 ℃ ;
Minimum bending radius: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	导体电阻 Ω/km Conductor resistance	参考载流量 A Reference current carrying capacity
1	3X1.5mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	9.6	13.3	14
2	3X2.5mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	10.8	7.98	25
3	3X4.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	11.5	4.95	35
4	3X6.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	13.2	3.30	44
5	3X10mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	16.3	1.91	62
6	3X16mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	19.0	1.21	82
7	5X2.5mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	13.5	7.98	20
8	5X4.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	15.0	4.95	30
9	5X6.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	16.8	3.30	38
10	5X10mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	20.0	1.91	54
11	5X16mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	23.5	1.21	71
12	5X25mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	29.0	0.78	94
13	5X35mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	32.8	0.554	117

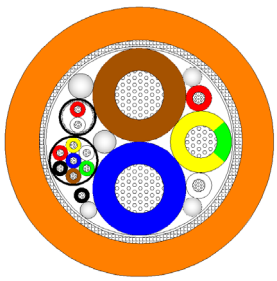
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EV-HPMCE-PUR

CE 认证 新能源汽车充电桩专用交流充电电缆

CE certified AC charging cable for new energy vehicle charging pile



新能源汽车
专用电缆

SPECIAL CABLES FOR NEW ENERGY VEHICLES

EV-HLCI-125℃
EV-HLCI-150℃
EV-HLCI-S-125℃
EV-HLCI-S-150℃
EV-HPMCE-TPE
EV-HPMCE-PUR
EVDC-HPMCE-TPE
EVDC-HPMCE-PUR



应用范围

电动汽车充电电缆用于连接电动汽车充电装置与充电基础设施，从而对电动汽车进行电力传输，并配备一定数量的信号线、控制线、电源辅助线等来确保整个充电过程控制准确、操作安全无误。充电电缆一般使用于充电站、停车场、酒店、小区、车库等区域，便携式充电电缆可放置在车内。

Scope of application

The electric vehicle charging cable is used to connect the electric vehicle charging device and the charging infrastructure, so as to transmit power to the electric vehicle. It is equipped with a certain number of signal lines, control lines, power supply auxiliary lines, etc. to ensure the accurate control and safe operation of the entire charging process. Charging cables are generally used in charging stations, parking lots, hotels, residential areas, garages and other areas. Portable charging cables can be placed in the car.

产品特性

不含卤素；
耐磨、耐拉、抗开裂；
耐油、耐酸碱、耐水；
高柔性，耐折弯；
耐寒、抗紫外线；
阻燃性能符合 IEC60332-1-2；
安全环保。

Product characteristics

Halogen free;
Wear resistance, tensile resistance and crack resistance;
Oil resistant, acid and alkali resistant, water resistant;
High flexibility and bending resistance;
Cold resistant, UV resistant;
Flame retardant performance shall conform to IEC60332-1-2;
Safety and environmental protection.

技术认证

CE 认证；
符合 IEC62893，EN50620，GB/T 33594，CQC1103-1105；
RoHS，REACH。

Technical certification

CE certification;
Conform to IEC62893, EN50620, GB/T 33594, CQC1103-1105;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
TPE 芯线绝缘;
无纺布绕包;
PUR 护套;
外护套黑色，橙色。

Cable structure

Multi strand stranded bare copper wire, complying with IEC60228 standard, Class 5;
TPE core insulation;
Non woven fabric wrapping;
TPE or PUR sheath;
Outer sheath color:black, orange.

技术参数

导体电阻：符合 IEC60228 5 类标准;
额定电压：450/750V;
测试电压：2500V/15min;
温度范围：−40 至+ 90℃ ;
最小弯曲半径：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 450/750V;
Test voltage: 2500V/15min;
Temperature range: − 40 to+90 ℃ ;
Minimum bending radius: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	导体电阻 Ω/km Conductor resistance	参考载流量 A Reference current carrying capacity
1	3X1.5mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	9.6	13.3	14
2	3X2.5mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	10.8	7.98	25
3	3X4.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	11.5	4.95	35
4	3X6.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	13.2	3.30	44
5	3X10mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	16.3	1.91	62
6	3X16mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	19.0	1.21	82
7	5X2.5mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	13.5	7.98	20
8	5X4.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	15.0	4.95	30
9	5X6.0mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	16.8	3.30	38
10	5X10mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	20.0	1.91	54
11	5X16mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	23.5	1.21	71
12	5X25mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	29.0	0.78	94
13	5X35mm²+(0 ~ 2)X (0.5 ~ 0.75) mm²	32.8	0.554	117

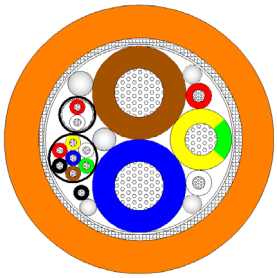
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EVDC-HPMCE-TPE

CE 认证 新能源汽车充电桩专用直流充电电缆

CE certified DC charging cable for new energy vehicle charging pile



新能源汽车
专用电缆
SPECIAL CABLES FOR NEW ENERGY VEHICLES

EV-HLCI-125℃
EV-HLCI-150℃
EV-HLCI-S-125℃
EV-HLCI-S-150℃
EV-HPMCE-TPE
EV-HPMCE-PUR
EVDC-HPMCE-TPE
EVDC-HPMCE-PUR



应用范围

电动汽车充电电缆用于连接电动汽车充电装置与充电基础设施，从而对电动汽车进行电力传输，并配备一定数量的信号线、控制线、电源辅助线等来确保整个充电过程控制准确、操作安全无误。充电电缆一般使用于充电站、停车场、酒店、小区、车库等区域，便携式充电电缆可放置在车内。

Scope of application

The electric vehicle charging cable is used to connect the electric vehicle charging device and the charging infrastructure, so as to transmit power to the electric vehicle. It is equipped with a certain number of signal lines, control lines, power supply auxiliary lines, etc. to ensure the accurate control and safe operation of the entire charging process. Charging cables are generally used in charging stations, parking lots, hotels, residential areas, garages and other areas. Portable charging cables can be placed in the car.

产品特性

不含卤素；
耐磨、耐拉、抗开裂；
耐油、耐酸碱、耐水；
高柔性，耐折弯；
耐寒、抗紫外线；
阻燃性能符合 IEC60332-1-2；
安全环保。

Product characteristics

Halogen free;
Wear resistance, tensile resistance and crack resistance;
Oil resistant, acid and alkali resistant, water resistant;
High flexibility and bending resistance;
Cold resistant, UV resistant;
Flame retardant performance shall conform to IEC60332-1-2;
Safety and environmental protection.

技术认证

CE 认证；
符合 CQC1103-1105；
RoHS，REACH。

Technical certification

CE certification;
Conform to CQC1103-1105;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
TPE 或 XLPE 芯线绝缘;
控制线芯绕包铝箔屏蔽（可选）;
无纺布绕包;
TPE 护套;
外护套黑色，橙色。

Cable structure

Multi strand stranded bare copper, complying with IEC60228 standard, Class 5;
TPE or XLPE core wire insulation;
Control wire core wrapped with aluminum foil shield (optional);
Non woven fabric wrapping;
TPE sheath;
Outer sheath color:black, orange.

技术参数

导体电阻：符合 IEC60228 5 类标准;
额定电压：1000VDC;
测试电压：2500V/15min;
温度范围：−40 至+ 90℃ ;
最小弯曲半径：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 1000VDC;
Test voltage: 2500V/15min;
Temperature range: − 40 to+90 ℃;
Minimum bending radius: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	导体电阻 Ω/km Conductor resistance	参考载流量 A Reference current carrying capacity
1	2X16mm²+1X16mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	30.0	1.21	63
2	2X25mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	34.0	0.780	100
3	2X35mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	36.0	0.554	125
4	2X50mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	38.0	0.386	150
5	2X70mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	40.5	0.272	200
6	2X80mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	42.0	0.238	250
7	2X95mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	44.0	0.206	300

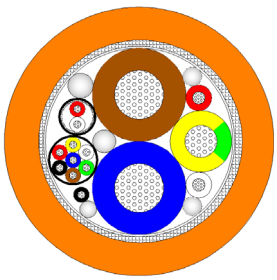
特殊工业电缆 SPECIAL INDUSTRIAL CABLE

08

EVDC-HPMCE-PUR

CE 认证 新能源汽车充电桩专用直流充电电缆

CE certified DC charging cable for new energy vehicle charging pile



新能源汽车
专用电缆

SPECIAL CABLES FOR
NEW ENERGY VEHICLES

EV-HLCI-125℃
EV-HLCI-150℃
EV-HLCI-S-125℃
EV-HLCI-S-150℃
EV-HPMCE-TPE
EV-HPMCE-PUR
EVDC-HPMCE-TPE
EVDC-HPMCE-PUR ▶



应用范围

电动汽车充电电缆用于连接电动汽车充电装置与充电基础设施，从而对电动汽车进行电力传输，并配备一定数量的信号线、控制线、电源辅助线等来确保整个充电过程控制准确、操作安全无误。充电电缆一般使用于充电站、停车场、酒店、小区、车库等区域，便携式充电电缆可放置在车内。

Scope of application

The electric vehicle charging cable is used to connect the electric vehicle charging device and the charging infrastructure, so as to transmit power to the electric vehicle. It is equipped with a certain number of signal lines, control lines, power supply auxiliary lines, etc. to ensure the accurate control and safe operation of the entire charging process. Charging cables are generally used in charging stations, parking lots, hotels, residential areas, garages and other areas. Portable charging cables can be placed in the car.

产品特性

不含卤素；
耐磨、耐拉、抗开裂；
耐油、耐酸碱、耐水；
高柔性，耐折弯；
耐寒、抗紫外线；
阻燃性能符合 IEC60332-1-2；
安全环保。

Product characteristics

Halogen free;
Wear resistance, tensile resistance and crack resistance;
Oil resistant, acid and alkali resistant, water resistant;
High flexibility and bending resistance;
Cold resistant, UV resistant;
Flame retardant performance shall conform to IEC60332-1-2;
Safety and environmental protection.

技术认证

CE 认证；
符合 CQC1103-1105；
RoHS，REACH。

Technical certification

CE certification;
Conform to CQC1103-1105;
RoHS，REACH.



电缆结构

多股束绞裸铜丝，符合 IEC60228 标准，第 5 类;
TPE 或 XLPE 芯线绝缘;
控制线芯绕包铝箔屏蔽（可选）;
无纺布绕包;
PUR 护套;
外护套黑色，橙色。

Cable structure

Multi strand stranded bare copper, complying with IEC60228 standard, Class 5;
TPE or XLPE core wire insulation;
Control wire core wrapped with aluminum foil shield (optional);
Non woven fabric wrapping;
PUR sheath;
Outer sheath color:black, orange.

技术参数

导体电阻：符合 IEC60228 5 类标准;
额定电压：1000VDC;
测试电压：2500V/15min;
温度范围：−40 至+ 90℃ ;
最小弯曲半径：6* 电缆外径。

Technical parameters

Conductor resistance:
in accordance with IEC60228 Class 5 standard;
Rated voltage: 1000VDC;
Test voltage: 2500V/15min;
Temperature range: − 40 to+90 ℃ ;
Minimum bending radius: 6 * cable outer diameter.

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	导体电阻 Ω/km Conductor resistance	参考载流量 A Reference current carrying capacity
1	2X16mm²+1X16mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	30.0	1.21	63
2	2X25mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	34.0	0.780	100
3	2X35mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	36.0	0.554	125
4	2X50mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	38.0	0.386	150
5	2X70mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	40.5	0.272	200
6	2X80mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	42.0	0.238	250
7	2X95mm²+1X25mm²+2X4mm²+2P（2X0.75mm²）+P(8X0.75mm²)	44.0	0.206	300



WIPOUS®
维普斯

电子线
ELECTRON WIRE

应用领域APPLICATION FIELD:

- 电力传输和分配 Power transmission and distribution
- 通讯 communication
- 汽车和船舶 Cars and ships
- 安防系统 Security system
- 医疗设备 Medical equipment



特点CHARACTERISTIC:

柔性
易弯曲
Flexible

低烟、无卤、阻燃符合
UL、IEC标准、EN标准
Low smoke, halogen-free, flame retardant in accordance with UL, IEC, and EN standards

环保符合
RoHS、REACH
Environmental compliance with RoHS and REACH

电缆外径小
节约布线安装空间
Small cable outer diameter, saving wiring and installation space

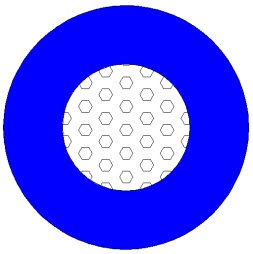
电子线 ELECTRONIC WIRE

09

AWM1007

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

- AWM1007
- AWM1569
- AWM1015
- AWM1061
- AWM1032
- AWM10012
- AWM1571
- AWM1618
- AWM1672
- AWM1617
- AWM1533
- AWM1185
- AWM10042
- AWM10263
- AWM3266
- AWM3271
- AWM3820
- AWM3932
- AWM3817
- H05V-U/H07V-U
- H05V-R/H07V-R
- H05V-K/H07V-K
- H05Z1-U/H07Z1-U
- H05Z1-R/H07Z1-R
- H05Z1-K/H07Z1-K
- H05Z-U/H07Z-U
- H05Z-R/H07Z-R
- H05Z-K/H07Z-K
- AS/NZS 3191 V-90
- AS/NZS 5000.2 V-90
- AS/NZS 5000.1 V-90
- AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
32AWG-16AWG；
特制环保 PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire); 32AWG-16AWG;
Specially designed environmentally friendly PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: 80 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
单根导体 Single conductor						
1	28AWG	1	0.32	0.38	1.10	2.0
2	26AWG	1	0.404	0.38	1.20	2.6
3	24AWG	1	0.511	0.38	1.30	3.4
4	22AWG	1	0.643	0.38	1.45	4.8
5	20AWG	1	0.813	0.38	1.60	6.8
6	18AWG	1	1.024	0.38	1.85	10.0
7	16AWG	1	1.29	0.38	2.10	14.9
绞合导体 Stranded conductor						
1	28AWG	7	0.12	0.38	1.20	2.3
2	26AWG	7	0.16	0.38	1.30	3.0
3	24AWG	11	0.16	0.38	1.45	4.1
4	22AWG	17	0.16	0.38	1.60	5.6
5	20AWG	26	0.16	0.38	1.75	7.5
6	18AWG	41	0.16	0.38	2.05	11.1
7	16AWG	26	0.25	0.38	2.40	16.4

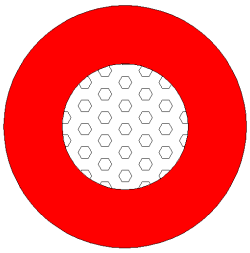
电子线 ELECTRONIC WIRE

09

AWM1569

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，有磨损的环境需要穿管。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices and needs to be threaded in a worn environment. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 105℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 105 ℃ ;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-2AWG；
特制环保 PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-2AWG;
Specially designed environmentally friendly PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：105℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: 105 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
单根导体 Single conductor						
1	28AWG	1	0.32	0.38	1.10	2.0
2	26AWG	1	0.404	0.38	1.20	2.6
3	24AWG	1	0.511	0.38	1.30	3.4
4	22AWG	1	0.643	0.38	1.45	4.8
5	20AWG	1	0.813	0.38	1.60	6.8
6	18AWG	1	1.024	0.38	1.85	10.0
7	16AWG	1	1.29	0.38	2.10	14.9
8	14AWG	1	1.63	0.38	2.45	22.4
9	12AWG	1	2.05	0.38	2.90	34.2
绞合导体 Stranded conductor						
1	28AWG	7	0.12	0.38	1.20	2.3
2	26AWG	7	0.16	0.38	1.30	3.0
3	24AWG	11	0.16	0.38	1.45	4.1
4	22AWG	17	0.16	0.38	1.60	5.6
5	20AWG	26	0.16	0.38	1.75	7.5
6	18AWG	41	0.16	0.38	2.05	11.1
7	16AWG	26	0.25	0.38	2.40	16.4
8	14AWG	41	0.25	0.38	2.80	24.5
9	12AWG	65	0.25	0.38	3.30	36.9
10	10AWG	105	0.25	0.38	4.30	57.6

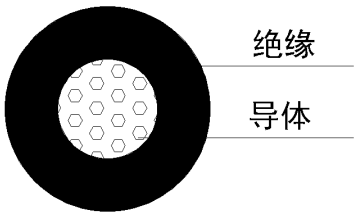
电子线 ELECTRONIC WIRE

09

AWM1015

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，亦可作控制柜内控制电线，设备间电源控制等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, as well as control wires in control cabinets and power control between devices. It is designed for export to the North American market where UL/CSA certified cables are used.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性能优异，可达 105℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Excellent heat resistance, up to 105 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-2000Kcmil；
特制环保 PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-2000Kcmil;
Specially designed environmentally friendly PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：600Vac or 750Vdc；
测试电压：2000V；
温度范围：105℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 600Vac or 750Vdc;
Test voltage: 2000V;
Temperature range: 105 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
		单根导体 Single conductor				
1	28AWG	1	0.32	0.76	1.90	4.7
2	26AWG	1	0.404	0.76	2.00	5.5
3	24AWG	1	0.511	0.76	2.10	6.5
4	22AWG	1	0.643	0.76	2.25	8.2
5	20AWG	1	0.813	6.76	2.40	10.4
6	18AWG	1	1.024	0.76	2.60	13.8
7	16AWG	1	1.29	0.76	2.90	19.5
8	14AWG	1	1.63	0.76	3.25	27.6
9	12AWG	1	2.05	0.76	3.65	39.8
		绞合导体 Stranded conductor				
1	26AWG	7	0.16	0.76	2.05	6.1
2	24AWG	11	0.16	0.76	2.20	7.2
3	22AWG	17	0.16	0.76	2.35	9.2
4	20AWG	26	0.16	0.76	2.55	11.7
5	18AWG	41	0.16	0.76	2.80	15.5
6	16AWG	26	0.25	0.76	3.10	20.5
7	14AWG	41	0.25	0.76	3.45	28.9
8	12AWG	65	0.25	0.76	3.95	41.8
9	10AWG	105	0.25	0.76	5.00	65.6
10	8AWG	168	0.25	1.15	6.60	111.0
11	6AWG	266	0.25	1.53	8.50	177.2
12	4AWG	437	0.25	1.53	10.00	268.0
13	2AWG	646	0.25	1.53	12.00	375.2
14	1AWG	847	0.25	2.03	13.70	508.1
15	1/0AWG	1050	0.25	2.03	15.00	622.2
16	2/0AWG	1349	0.25	2.03	17.00	770.5
17	3/0AWG	1702	0.25	2.03	18.00	956.9
18	4/0AWG	2146	0.25	2.03	20.00	1161.9
19	250Kcmil	2546	0.25	2.42	22.00	1390.3
20	300Kcmil	3096	0.25	2.42	23.50	1680.2
21	350Kcmil	1393	0.4	2.42	24.00	1910.6
22	400Kcmil	1592	0.4	2.42	28.50	2160.3
23	450Kcmil	1790	0.4	2.42	26.50	2409.8
24	500Kcmil	1989	0.4	2.42	29.00	2623.3

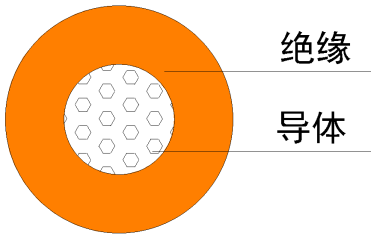
电子线 ELECTRONIC WIRE

09

AWM1061

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，有磨损的环境需要穿管。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices and needs to be threaded in a worn environment. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃ ;
Excellent cold resistance performance -40 ℃ .

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-14AWG；
特制环保 SR-PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-14AWG;
Specially designed environmentally friendly SR-PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: -40-80 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.23	0.90	1.5
2	26AWG	7	0.16	0.23	1.00	2.2
3	24AWG	11	0.16	0.23	1.10	3.1
4	22AWG	17	0.16	0.23	1.30	4.6
5	20AWG	26	0.16	0.23	1.60	6.9
6	18AWG	41	0.16	0.23	1.80	10.1
7	16AWG	26	0.25	0.23	2.10	14.9
8	14AWG	41	0.25	0.23	2.55	22.9

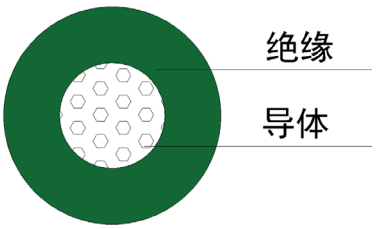
电子线 ELECTRONIC WIRE

09

AWM1032

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE
ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS
5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，亦可作控制柜内控制电线，设备间电源控制等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, as well as control wires in control cabinets and power control between devices. It is designed for export to the North American market where UL/CSA certified cables are used.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性能优异，可达 90℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Excellent heat resistance, up to 90 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-2000Kcmil；
特制环保 PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-2000Kcmil;
Specially designed environmentally friendly PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：1000Vac or 1200Vdc；
测试电压：3000V；
温度范围：-40-90℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 1000Vac or 1200Vdc;
Test voltage: 3000V;
Temperature range: -40-90 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	2.05	6.1
2	24AWG	11	0.16	0.76	2.20	7.2
3	22AWG	17	0.16	0.76	2.35	9.2
4	20AWG	26	0.16	0.76	2.55	11.7
5	18AWG	41	0.16	0.76	2.80	15.5
6	16AWG	26	0.25	0.76	3.10	20.5
7	14AWG	41	0.25	0.76	3.45	28.9
8	12AWG	65	0.25	0.76	3.95	41.8
9	10AWG	105	0.25	0.76	5.00	65.6
10	8AWG	168	0.25	1.15	6.60	111.0
11	6AWG	266	0.25	1.53	8.50	177.2
12	4AWG	437	0.25	1.53	10.00	268.0
13	2AWG	646	0.25	1.53	12.00	375.2
14	1AWG	847	0.25	2.03	13.70	508.1
15	1/0AWG	1050	0.25	2.03	15.00	622.2
16	2/0AWG	1349	0.25	2.03	17.00	770.5
17	3/0AWG	1702	0.25	2.03	18.00	956.9
18	4/0AWG	2146	0.25	2.03	20.00	1161.9
19	250Kcmil	2546	0.25	2.42	22.00	1390.3
20	300Kcmil	3096	0.25	2.42	23.50	1680.2
21	350Kcmil	1393	0.4	2.42	24.00	1910.6
22	400Kcmil	1592	0.4	2.42	28.50	2160.3
23	450Kcmil	1790	0.4	2.42	26.50	2409.8
24	500Kcmil	1989	0.4	2.42	29.00	2623.3

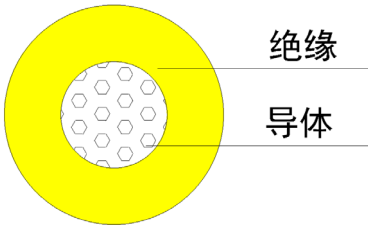
电子线 ELECTRONIC WIRE

09

AWM10012

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，亦可作控制柜内控制电线，设备间电源控制等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, as well as control wires in control cabinets and power control between devices. It is designed for export to the North American market where UL/CSA certified cables are used.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性能优异，可达 105℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Excellent heat resistance, up to 105 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-2000Kcmil；
特制 PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-2000Kcmil;
Specially made PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：1000Vac；
测试电压：3000V；
温度范围：-40-105℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 1000Vac;
Test voltage: 3000V;
Temperature range: -40-105 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.51	1.55	3.8
2	24AWG	11	0.16	0.51	1.65	4.8
3	22AWG	17	0.16	0.51	1.85	6.5
4	20AWG	26	0.16	0.51	2.05	8.8
5	18AWG	41	0.16	0.51	2.25	12.1
6	16AWG	26	0.25	0.51	2.55	17.3
7	14AWG	41	0.25	0.51	2.90	25.1
8	12AWG	65	0.25	0.51	3.40	37.6
9	10AWG	105	0.25	0.51	4.30	57.6
10	8AWG	168	0.25	0.8	5.7	96.3
11	6AWG	266	0.25	1.15	7.5	157.4
12	4AWG	437	0.25	1.15	9.0	243.2
13	2AWG	646	0.25	1.15	10.5	348.1
14	1AWG	847	0.25	1.53	12.4	468.8
15	1/0AWG	1050	0.25	1.53	13.6	571.7
16	2/0AWG	1349	0.25	1.53	14.9	717.3
17	3/0AWG	1702	0.25	1.53	16.3	887.5
18	4/0AWG	2146	0.25	1.53	18.0	1100.4
19	250Kcmil	2546	0.25	2.03	20.5	1351.4
20	300Kcmil	3096	0.25	2.03	22.1	1616.7
21	350Kcmil	1393	0.4	2.03	23.4	1840.9
22	400Kcmil	1592	0.4	2.03	24.7	2084.1
23	450Kcmil	1790	0.4	2.03	25.9	2326.4
24	500Kcmil	1989	0.4	2.03	27.1	2568.0

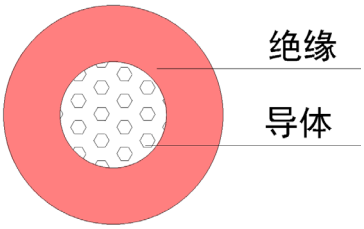
电子线 ELECTRONIC WIRE

09

AWM1571

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃ ;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-14AWG；
特制环保 SR-PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-14AWG;
Specially designed environmentally friendly SR-PVC insulation

技术参数

绝缘颜色标识：符合国际色规；
额定电压：30Vac；
测试电压：1500V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 30Vac;
Test voltage: 1500V;
Temperature range: -40-80 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.23	0.90	1.5
2	26AWG	7	0.16	0.23	1.00	2.2
3	24AWG	11	0.16	0.23	1.10	3.1
4	22AWG	17	0.16	0.23	1.30	4.6
5	20AWG	26	0.16	0.23	1.60	6.9
6	18AWG	41	0.16	0.23	1.80	10.1
7	16AWG	26	0.25	0.23	2.10	14.9
8	14AWG	41	0.25	0.23	2.55	22.9

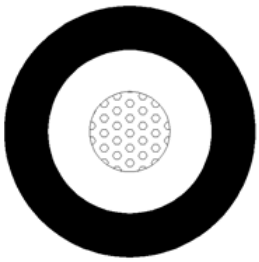
电子线 ELECTRONIC WIRE

09

AWM1618

UL/CUL758 认证 PVC 绝缘 PVC 护套单芯护套电子线

UL/CUL758 certified PVC insulated PVC sheathed single-core sheathed electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
特制环保 PVC 绝缘；
特制环保 PVC 护套。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
Specially designed environmentally friendly PVC insulation;
Specially designed environmentally friendly PVC sheath.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: -40-80 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	护套厚度 mm Sheath thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.38	0.38	2.00	5.2
2	26AWG	7	0.16	0.38	0.38	2.10	6.1
3	24AWG	11	0.16	0.38	0.38	2.25	7.5
4	22AWG	17	0.16	0.38	0.38	2.40	9.2
5	20AWG	26	0.16	0.38	0.38	2.55	11.4
6	18AWG	41	0.16	0.38	0.38	2.85	15.6
7	16AWG	26	0.25	0.38	0.38	3.20	21.5

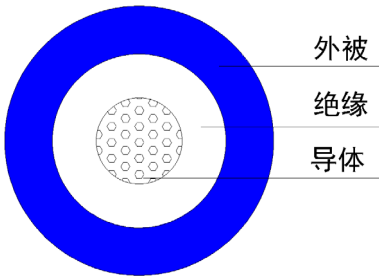
电子线 ELECTRONIC WIRE

09

AWM1672

UL/CUL758 认证 PVC 绝缘 PVC 护套单芯护套电子线

UL/CUL758 certified PVC insulated PVC sheathed single-core sheathed electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 105℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 105 ℃ ;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
特制环保 PVC 绝缘；
特制环保 PVC 护套。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
Specially designed environmentally friendly PVC insulation;
Specially designed environmentally friendly PVC sheath.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：-40-105℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: -40-105 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	护套厚度 mm Sheath thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.38	0.38	2.00	5.2
2	26AWG	7	0.16	0.38	0.38	2.10	6.1
3	24AWG	11	0.16	0.38	0.38	2.25	7.5
4	22AWG	17	0.16	0.38	0.38	2.40	9.2
5	20AWG	26	0.16	0.38	0.38	2.55	11.4
6	18AWG	41	0.16	0.38	0.38	2.85	15.6
7	16AWG	26	0.25	0.38	0.38	3.20	21.5
8	14AWG	41	0.25	0.38	0.38	3.60	30.3
9	12AWG	65	0.25	0.38	0.38	4.10	43.6
10	10AWG	105	0.25	0.38	0.38	5.10	67.2

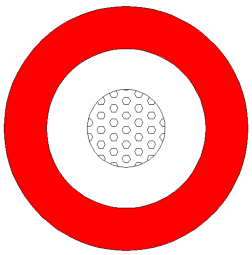
电子线 ELECTRONIC WIRE

09

AWM1617

UL/CUL758 认证 PVC 绝缘 PVC 护套单芯护套电子线

UL/CUL758 certified PVC insulated PVC sheathed single-core sheathed electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，亦可作控制柜内控制电线，设备间电源控制等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, as well as control wires in control cabinets and power control between devices. It is designed for export to the North American market where UL/CSA certified cables are used.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性能优异，可达 105℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Excellent heat resistance, up to 105 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
特制环保 PVC 绝缘；
特制环保 PVC 护套。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
Specially designed environmentally friendly PVC insulation;
Specially designed environmentally friendly PVC sheath.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：600Vac；
测试电压：2000V；
温度范围：-40-105℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 600Vac;
Test voltage: 2000V;
Temperature range: -40-105 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	护套厚度 mm Sheath thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	0.45	2.9	10.7
2	24AWG	11	0.16	0.76	0.45	3.0	12.9
3	22AWG	17	0.16	0.76	0.45	3.2	14.9
4	20AWG	26	0.16	0.76	0.45	3.4	17.7
5	18AWG	41	0.16	0.76	0.45	3.6	22.0
6	16AWG	26	0.25	0.76	0.45	4.0	28.0
7	14AWG	41	0.25	0.76	0.45	4.4	37.3
8	12AWG	65	0.25	0.76	0.45	4.8	51.2
9	10AWG	105	0.25	0.76	0.45	5.8	77.0
10	8AWG	168	0.25	1.15	0.76	8.2	139.1
11	6AWG	266	0.25	1.53	0.76	10.0	212.4
12	4AWG	437	0.25	1.53	0.76	11.5	307.7
13	2AWG	646	0.25	1.53	0.76	12.9	418.9
14	1AWG	847	0.25	2.03	1.02	15.7	584.5
15	1/0AWG	1050	0.25	2.03	1.02	16.7	692.6
16	2/0AWG	1349	0.25	2.03	1.02	18.1	849.0
17	3/0AWG	1702	0.25	2.03	1.02	19.5	1030.6
18	4/0AWG	2146	0.25	2.03	1.02	21.1	1256.6
19	250Kcmil	2546	0.25	2.42	1.02	23.3	1508.5
20	300Kcmil	3096	0.25	2.42	1.02	24.9	1785.6
21	350Kcmil	1393	0.4	2.42	1.02	26.2	2018.9
22	400Kcmil	1592	0.4	2.42	1.02	27.5	2271.5
23	450Kcmil	1790	0.4	2.42	1.02	28.7	2522.6
24	500Kcmil	1989	0.4	2.42	1.02	30.0	2780.1

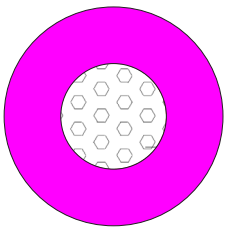
电子线 ELECTRONIC WIRE

09

AWM1533

UL/CUL758 认证 PVC 绝缘单芯电子线

UL/CUL758 certified PVC insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，适用于录音，录像设备，声响系统等环境。针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices and is suitable for recording, recording equipment, sound systems, and other environments. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
30AWG-16AWG；
特制环保 SR-PVC 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
30AWG-16AWG;
Specially designed environmentally friendly SR-PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：Voltage not specified；
测试电压：1500V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: Voltage not specified;
Test voltage: 1500V;
Temperature range: -40-80 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

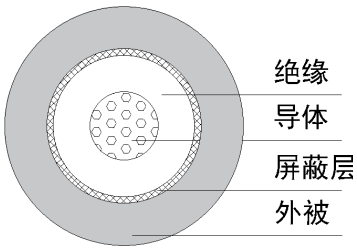


物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	护套厚度 mm Sheath thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.23	0.90	0.32	2.10	7.8
2	26AWG	7	0.16	0.23	1.00	0.32	2.20	9.0
3	24AWG	11	0.16	0.23	1.10	0.32	2.30	10.4
4	22AWG	17	0.16	0.23	1.30	0.32	2.50	12.9
5	20AWG	26	0.16	0.23	1.60	0.32	2.80	16.9
6	18AWG	41	0.16	0.23	1.80	0.32	3.00	21.1
7	16AWG	26	0.25	0.23	2.10	0.32	3.30	27.6

AWM1185

UL/CUL758 认证 PVC 绝缘 PVC 护套单芯屏蔽护套电子线

UL/CUL758 certified PVC insulated PVC sheathed single-core shield sheathed electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线， 镀锡铜丝屏蔽特别适合需要抗电磁干扰的应用场合，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices and is suitable for recording, recording equipment, sound systems, and other environments. Targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
电磁兼容 EMC 场合；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Electromagnetic compatibility in EMC scenarios;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃ ;
Excellent cold resistance -40 ℃ (optional).

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝），
单股镀锡铜丝（或单股裸铜丝）；
特制环保 PVC 绝缘；
镀锡铜丝屏蔽；
特制环保 PVC 护套。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire),
single strand tinned copper wire (or single strand bare copper wire);
Specially designed environmentally friendly PVC insulation;
Tin plated copper wire shielding;
Specially designed environmentally friendly PVC sheath.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification: Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: -40-80 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	护套厚度 mm Sheath thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.38	1.20	0.38	2.40	10.0
2	26AWG	7	0.16	0.38	1.30	0.38	2.50	11.3
3	24AWG	11	0.16	0.38	1.45	0.38	2.65	13.2
4	22AWG	17	0.16	0.38	1.60	0.38	2.80	15.5
5	20AWG	26	0.16	0.38	1.75	0.38	2.95	18.3
6	18AWG	41	0.16	0.38	2.05	0.38	3.25	23.7
7	16AWG	26	0.25	0.38	2.40	0.38	3.60	30.9
8	14AWG	41	0.25	0.76	3.45	0.76	5.55	58.5
9	12AWG	65	0.25	0.76	3.95	0.76	6.05	76.0
10	10AWG	105	0.25	0.76	5.00	0.76	7.10	105.8

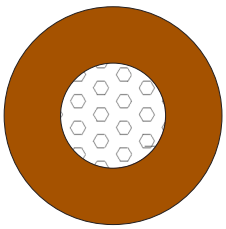
电子线 ELECTRONIC WIRE

09

AWM10042

UL/CUL758 认证 TPES 绝缘单芯电子线

UL/CUL758 certified TPES insulated single core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, targeting the North American market for exporting UL/CSA certified cables.

产品特性

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性可达 80℃；
优异的耐寒性能 -40℃。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Heat resistance can reach 80 ℃ ;
Excellent cold resistance performance -40 ℃ .

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝）；
32AWG-2AWG；
特制环保 TPES 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire);
32AWG-2AWG;
Specially designed environmentally friendly TPES insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

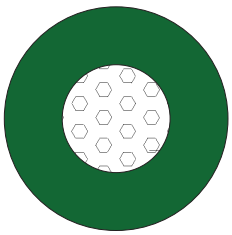
Insulation color identification:
Compliant with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Temperature range: -40-80 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.38	1.20	
2	26AWG	7	0.16	0.38	1.30	
3	24AWG	11	0.16	0.38	1.45	
4	22AWG	17	0.16	0.38	1.60	
5	20AWG	26	0.16	0.38	1.75	
6	18AWG	41	0.16	0.38	2.05	
7	16AWG	26	0.25	0.38	2.40	

AWM10263

UL/CUL758 认证 TPES 绝缘单芯电子线

UL/CUL758 certified TPES insulated single core electronic wire



单芯电子线
SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

该电缆主要作为电子设备内部连接线，亦可作控制柜内控制电线，设备间电源控制等，针对出口到应用 UL/CSA 认证电缆的北美市场。

Scope of application

This cable is mainly used as an internal connection line for electronic devices, as well as control wires in control cabinets and power control between devices. It is designed for export to the North American market where UL/CSA certified cables are used.

柔性，易弯曲；
阻燃等级 VW-1/FT1；
耐热性能优异，可达 80℃；
优异的耐寒性能 -40℃。

Product characteristics

Flexible and easy to bend;
Flame retardant grade VW-1/FT1;
Excellent heat resistance, up to 80 ℃;
Excellent cold resistance performance -40 ℃.

技术认证

UL/cUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL/cUL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

多股束绞镀锡铜丝（或裸铜丝）；
32AWG-4/0AWG；
特制环保 TPES 绝缘。

Cable structure

Multi strand twisted tinned copper wire (or bare copper wire);
32AWG-4/0AWG;
Specially designed environmentally friendly PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：600Vac or 1000Vac；
测试电压：2000V；
温度范围：-40-80℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 600Vac or 1000Vac;
Test voltage: 2000V;
Temperature range: -40-80 ℃;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	电缆外径 mm Cable outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	2.05	
2	24AWG	11	0.16	0.76	2.20	
3	22AWG	17	0.16	0.76	2.35	
4	20AWG	26	0.16	0.76	2.55	
5	18AWG	41	0.16	0.76	2.80	
6	16AWG	26	0.25	0.76	3.10	
7	14AWG	41	0.25	0.76	3.45	
8	12AWG	65	0.25	0.76	3.95	
9	10AWG	105	0.25	0.76	5.00	
10	8AWG	168	0.25	1.15	6.60	
11	6AWG	266	0.25	1.53	8.50	
12	4AWG	437	0.25	1.53	10.00	
13	2AWG	646	0.25	1.53	12.00	
14	1AWG	847	0.25	2.03	13.70	
15	1/0AWG	1050	0.25	2.03	15.00	
16	2/0AWG	1349	0.25	2.03	17.00	
17	3/0AWG	1702	0.25	2.03	18.00	
18	4/0AWG	2146	0.25	2.03	20.00	
19	250Kcmil	2546	0.25	2.42	22.00	
20	300Kcmil	3096	0.25	2.42	23.50	
21	350Kcmil	1393	0.4	2.42	24.00	
22	400Kcmil	1592	0.4	2.42	28.50	
23	450Kcmil	1790	0.4	2.42	26.50	
24	500Kcmil	1989	0.4	2.42	29.00	

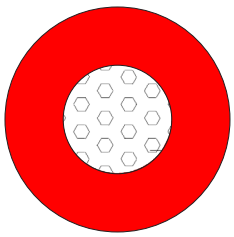
电子线 ELECTRONIC WIRE

09

AWM3266

UL/CUL758 认证 XLPE 绝缘低烟无卤阻燃电子线

UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

用于电信单元和电气模块以及电信设施的布线。
用于设备内部布线。环境温度不超过 125℃场合。

Scope of application

Used for wiring of telecommunications units, electrical modules, and telecommunications facilities. Used for internal wiring of equipment. In situations where the ambient temperature does not exceed 125 ℃ .

产品特性

低烟，不含卤素；
耐低温 -40℃，保持良好韧性；
耐高温 125℃；
耐油油污和化学品溶剂；
阻燃 FT2/FT1/VW-1 可选 。

Product characteristics

Low smoke, halogen-free;
Low temperature resistance -40 ℃ , maintaining good toughness;
High temperature resistance of 125 ℃ ;
Resistant to oil stains and chemical solvents;
Flame retardant FT2/FT1/VW-1 optional .

技术认证

UL 认证 /CUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL certification/UL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

实心或多股束绞镀锡铜丝或裸铜丝；
32AWG-10AWG；
绝缘材料采用热固性交联聚乙烯（ XLPE ）。

Cable structure

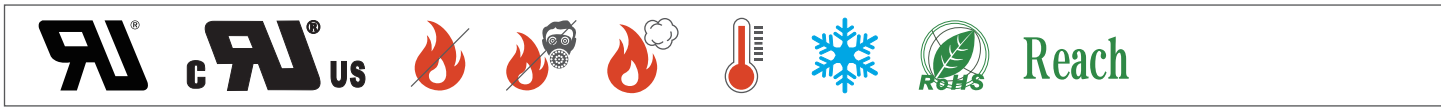
Solid or stranded tinned copper wire or bare copper wire;
32AWG-10AWG;
The insulation material adopts thermosetting cross-linked polyethylene (XLPE).

技术参数

绝缘颜色标识：符合国际色规；
额定电压：300Vac；
测试电压：2000V；
额定温度：-40℃ -125℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
in accordance with international color standards;
Rated voltage: 300Vac;
Test voltage: 2000V;
Rated temperature: -40 ℃ -125 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	28AWG	7	0.12	0.38	1.2	2.3
2	26AWG	7	0.16	0.38	1.3	3.0
3	24AWG	11	0.16	0.38	1.45	4.1
4	22AWG	17	0.16	0.38	1.6	5.6
5	20AWG	26	0.16	0.38	1.75	7.5
6	18AWG	41	0.16	0.38	2.05	11.1
7	16AWG	26	0.25	0.38	2.4	16.4
8	14AWG	41	0.25	0.38	2.8	24.5
9	12AWG	65	0.25	0.38	3.3	36.9
10	10AWG	105	0.25	0.38	4.3	57.6

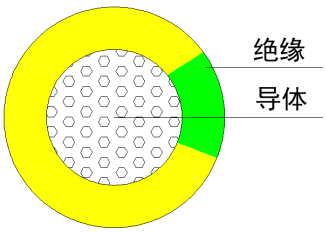
电子线 ELECTRONIC WIRE

09

AWM3271

UL/CUL758 认证 XLPE 绝缘低烟无卤阻燃电子线

UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

用于电信单元和电气模块以及电信设施的布线。用于电子、电子电器及设备仪器内部连接线、电机变压器和灯具引出线等，环境温度不超过125℃场合。

Scope of application

Used for wiring of telecommunications units, electrical modules, and telecommunications facilities. Used for internal connection wires of electronics, electronic appliances, and equipment instruments, motor transformers, and lighting outlet wires, etc., in environments where the ambient temperature does not exceed 125 ℃ .

产品特性

低烟，不含卤素；
耐低温 -40℃，保持良好韧性；
耐高温 125℃；
耐油油污和化学品溶剂；
阻燃 FT2/FT1/VW-1 可选。

Product characteristics

Low smoke, halogen-free;
Low temperature resistance -40 ℃ , maintaining good toughness;
High temperature resistance of 125℃ ;
Resistant to oil stains and chemical solvents;
Flame retardant FT2/FT1/VW-1 optional.

技术认证

UL 认证 /CUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL certification/UL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

实心或多股束绞镀锡铜丝或裸铜丝；
30AWG-2000Kcmil;
绝缘材料采用热固性交联聚乙烯（ XLPE ）。

Cable structure

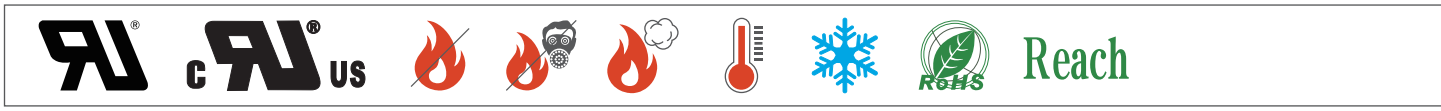
Solid or stranded tinned copper wire or bare copper wire;
30AWG-2000Kcmil;
The insulation material adopts thermosetting cross-linked polyethylene (XLPE).

技术参数

绝缘颜色标识：符合国际色规；
额定电压：600Vac 750Vdc；
测试电压：≤ 2AWG 2000V；
1AWG-4/0AWG 2500V；
250kcmil-500kcmil 3000V；
550kcmi-1000kcmil 3500V；
额定温度：-40℃ -125℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
in accordance with international color standards;
Rated voltage: 600Vac 750Vdc;
Test voltage: ≤ 2AWG 2000V;
1AWG-4/0AWG 2500V;
250kcmil-500kcmil 3000V;
550kcmi-1000kcmil 3500V;
Rated temperature: -40 ℃ -125 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	2.1	6.1
2	24AWG	11	0.16	0.76	2.2	7.2
3	22AWG	17	0.16	0.76	2.35	8.9
4	20AWG	26	0.16	0.76	2.55	11.4
5	18AWG	41	0.16	0.76	2.8	15.3
6	16AWG	26	0.25	0.76	3.05	20.4
7	14AWG	41	0.25	0.76	3.45	29.1
8	12AWG	65	0.25	0.76	3.95	42.2
9	10AWG	105	0.25	0.76	4.8	63.4
10	8AWG	168	0.25	1.15	6.4	107.2
11	6AWG	266	0.25	1.15	7.5	157.4
12	4AWG	437	0.25	1.15	9.0	243.2
13	2AWG	646	0.25	1.15	10.5	348.1
14	1AWG	824	0.25	1.40	12.2	460.6
15	1/0AWG	1050	0.25	1.40	13.3	562.9
16	2/0AWG	1349	0.25	1.40	14.7	707.5
17	3/0AWG	1702	0.25	1.40	16.1	876.8
18	4/0AWG	2146	0.25	1.40	17.7	1088.6
19	250KCMIL	2546	0.25	1.65	19.7	1312.5
20	300KCMIL	3096	0.25	1.65	21.4	1574.6
21	350KCMIL	1392	0.4	1.65	22.6	1796.3
22	400KCMIL	1591	0.4	1.65	23.9	2037.1
23	450KCMIL	1790	0.4	1.65	25.2	2277.0
24	500KCMIL	1989	0.4	1.65	26.3	2516.3

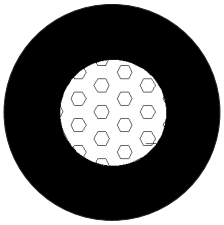
电子线 ELECTRONIC WIRE

09

AWM3820

UL/CUL758 认证 XLPE 绝缘低烟无卤阻燃电子线

UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

用于电动汽车和储能系统。用于电子、电子电器及设备仪器内部连接线、电机变压器和灯具引出线等，环境温度不超过 125℃场合。

Scope of application

Used for electric vehicles and energy storage systems. Used for internal connection wires of electronics, electronic appliances, and equipment instruments, motor transformers, and lighting outlet wires, etc., in environments where the ambient temperature does not exceed 125 ℃ .

产品特性

低烟，不含卤素；
耐低温 -40℃，保持良好韧性；
耐高温 125℃；
耐油油污和化学品溶剂；
阻燃 FT2/FT1/VW-1 可选。

Product characteristics

Low smoke, halogen-free;
Low temperature resistance -40 ℃ , maintaining good toughness;
High temperature resistance of 125℃ ;
Resistant to oil stains and chemical solvents;
Flame retardant FT2/FT1/VW-1 optional.

技术认证

UL 认证 /CUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL certification/UL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

实心或多股束绞镀锡铜丝或裸铜丝；
30AWG-2000Kcmil;
绝缘材料采用热固性交联聚乙烯（ XLPE ）。

Cable structure

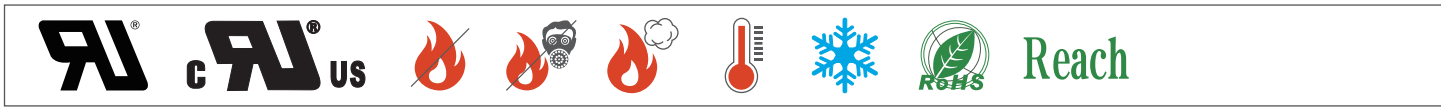
Solid or stranded tinned copper wire or bare copper wire;
30AWG-2000Kcmil;
The insulation material adopts thermosetting cross-linked polyethylene (XLPE).

技术参数

绝缘颜色标识：符合国际色规；
额定电压：1000Vac；
测试电压 : 3000V；
额定温度：-40℃ -125℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
in accordance with international color standards;
Rated voltage: 1000Vac;
Test voltage: ≤ 3000V;
Rated temperature: -40 ℃ -125 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.

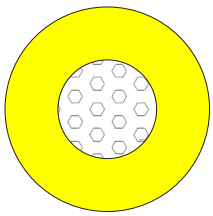


物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	2.1	6.1
2	24AWG	11	0.16	0.76	2.2	7.2
3	22AWG	17	0.16	0.76	2.35	8.9
4	20AWG	26	0.16	0.76	2.55	11.4
5	18AWG	41	0.16	0.76	2.8	15.3
6	16AWG	26	0.25	0.76	3.05	20.4
7	14AWG	41	0.25	0.76	3.45	29.1
8	12AWG	65	0.25	0.76	3.95	42.2
9	10AWG	105	0.25	0.76	4.8	63.4
10	8AWG	168	0.25	1.15	6.4	107.2
11	6AWG	266	0.25	1.15	7.5	157.4
12	4AWG	437	0.25	1.15	9.0	243.2
13	2AWG	646	0.25	1.15	10.5	348.1
14	1AWG	824	0.25	1.40	12.2	460.6
15	1/0AWG	1050	0.25	1.40	13.3	562.9
16	2/0AWG	1349	0.25	1.40	14.7	707.5
17	3/0AWG	1702	0.25	1.40	16.1	876.8
18	4/0AWG	2146	0.25	1.40	17.7	1088.6
19	250KCMIL	2546	0.25	1.65	19.7	1312.5
20	300KCMIL	3096	0.25	1.65	21.4	1574.6
21	350KCMIL	1392	0.4	1.65	22.6	1796.3
22	400KCMIL	1591	0.4	1.65	23.9	2037.1
23	450KCMIL	1790	0.4	1.65	25.2	2277.0
24	500KCMIL	1989	0.4	1.65	26.3	2516.3

AWM3932

UL/CUL758 认证 XLPE 绝缘低烟无卤阻燃电子线

UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

用于新能源风能光伏储能设备内部连接高压产品不被移动或机械损伤地方的安装内部布线。环境温度不超过 125℃场合。

Scope of application

Used for the installation and internal wiring of high-voltage products in new energy wind and photovoltaic energy storage equipment that are not moved or mechanically damaged. In situations where the ambient temperature does not exceed 125 ℃ .

产品特性

低烟，不含卤素；
耐低温 -40℃，保持良好韧性；
耐高温 125℃；
耐油油污和化学品溶剂；
阻燃 FT2/FT1/VW-1 可选。

Product characteristics

Low smoke, halogen-free;
Low temperature resistance -40 ℃ , maintaining good toughness;
High temperature resistance of 125℃ ;
Resistant to oil stains and chemical solvents;
Flame retardant FT2/FT1/VW-1 optional.

技术认证

UL 认证 /CUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL certification/UL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

实心或多股束绞镀锡铜丝或裸铜丝；
50AWG-2000Kcmil;
绝缘材料采用热固性交联聚乙烯（ XLPE ）。

Cable structure

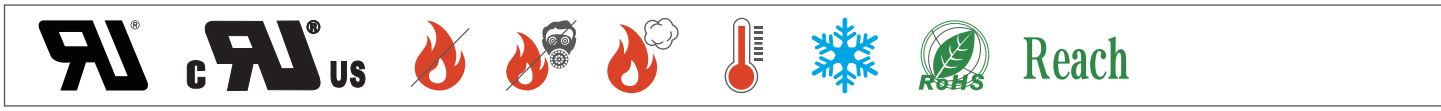
Solid or stranded tinned copper wire or bare copper wire;
50AWG-2000Kcmil;
The insulation material adopts thermosetting cross-linked polyethylene (XLPE).

技术参数

绝缘颜色标识：符合国际色规；
额定电压：2000Vac；
测试电压 : 5000V；
额定温度：-40℃ -125℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
in accordance with international color standards;
Rated voltage: 2000Vac;
Test voltage: ≤ 5000V;
Rated temperature: -40 ℃ -125 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	2.1	6.1
2	24AWG	11	0.16	0.76	2.2	7.2
3	22AWG	17	0.16	0.76	2.35	8.9
4	20AWG	26	0.16	0.76	2.55	11.4
5	18AWG	41	0.16	0.76	2.8	15.3
6	16AWG	26	0.25	0.76	3.05	20.4
7	14AWG	41	0.25	0.76	3.45	29.1
8	12AWG	65	0.25	0.76	3.95	42.2
9	10AWG	105	0.25	0.76	4.8	63.4
10	8AWG	168	0.25	1.15	6.4	107.2
11	6AWG	266	0.25	1.15	7.5	157.4
12	4AWG	437	0.25	1.15	9.0	243.2
13	2AWG	646	0.25	1.15	10.5	348.1
14	1AWG	824	0.25	1.40	12.2	460.6
15	1/0AWG	1050	0.25	1.40	13.3	562.9
16	2/0AWG	1349	0.25	1.40	14.7	707.5
17	3/0AWG	1702	0.25	1.40	16.1	876.8
18	4/0AWG	2146	0.25	1.40	17.7	1088.6
19	250KCMIL	2546	0.25	1.65	19.7	1312.5
20	300KCMIL	3096	0.25	1.65	21.4	1574.6
21	350KCMIL	1392	0.4	1.65	22.6	1796.3
22	400KCMIL	1591	0.4	1.65	23.9	2037.1
23	450KCMIL	1790	0.4	1.65	25.2	2277.0
24	500KCMIL	1989	0.4	1.65	26.3	2516.3

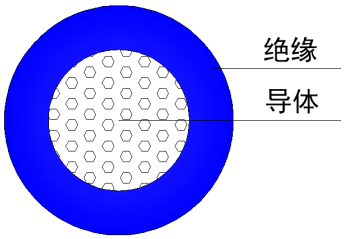
电子线 ELECTRONIC WIRE

09

AWM3817

UL/CUL758 认证 XLPE 绝缘低烟无卤阻燃电子线

UL/CUL758 certified XLPE insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

用于新能源风能光伏储能设备内部连接高压产品不被移动或机械损伤地方的安装内部布线，或进行全封闭。环境温度不超过 125℃场合。

Scope of application

Used for the installation of internal wiring for connecting high-voltage products to new energy wind and photovoltaic energy storage equipment that are not moved or mechanically damaged, or for fully enclosed installation. In situations where the ambient temperature does not exceed 125 ℃ .

产品特性

低烟，不含卤素；
耐低温 -40℃，保持良好韧性；
耐高温 125℃；
耐油油污和化学品溶剂；
阻燃 FT2/FT1/VW-1 可选。

Product characteristics

Low smoke, halogen-free;
Low temperature resistance -40 ℃ , maintaining good toughness;
High temperature resistance of 125 ℃ ;
Resistant to oil stains and chemical solvents;
Flame retardant FT2/FT1/VW-1 optional.

技术认证

UL 认证 /CUL 认证；
符合 UL758，UL1581；
RoHS，REACH。

Technical certification

UL certification/UL certification;
Compliant with UL758, UL1581;
RoHS，REACH.

电缆结构

实心或多股束绞镀锡铜丝或裸铜丝；
30AWG-2000Kcmil;
绝缘材料采用热固性交联聚乙烯（XLPE）。

Cable structure

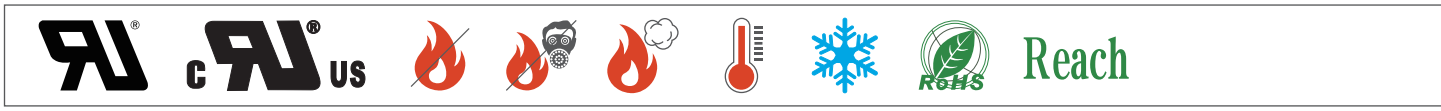
Solid or stranded tinned copper wire or bare copper wire;
30AWG-2000Kcmil;
The insulation material adopts thermosetting cross-linked polyethylene (XLPE).

技术参数

绝缘颜色标识：符合国际色规；
额定电压：3000Vac；
测试电压：7000V；
额定温度：-40℃ -125℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
in accordance with international color standards;
Rated voltage: 3000Vac;
Test voltage: ≤ 7000V;
Rated temperature: -40 ℃ -125 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	26AWG	7	0.16	0.76	2.1	6.1
2	24AWG	11	0.16	0.76	2.2	7.2
3	22AWG	17	0.16	0.76	2.35	8.9
4	20AWG	26	0.16	0.76	2.55	11.4
5	18AWG	41	0.16	0.76	2.8	15.3
6	16AWG	26	0.25	0.76	3.05	20.4
7	14AWG	41	0.25	0.76	3.45	29.1
8	12AWG	65	0.25	0.76	3.95	42.2
9	10AWG	105	0.25	0.76	4.8	63.4
10	8AWG	168	0.25	1.15	6.4	107.2
11	6AWG	266	0.25	1.15	7.5	157.4
12	4AWG	437	0.25	1.15	9.0	243.2
13	2AWG	646	0.25	1.15	10.5	348.1
14	1AWG	824	0.25	1.40	12.2	460.6
15	1/0AWG	1050	0.25	1.40	13.3	562.9
16	2/0AWG	1349	0.25	1.40	14.7	707.5
17	3/0AWG	1702	0.25	1.40	16.1	876.8
18	4/0AWG	2146	0.25	1.40	17.7	1088.6
19	250KCMIL	2546	0.25	1.65	19.7	1312.5
20	300KCMIL	3096	0.25	1.65	21.4	1574.6
21	350KCMIL	1392	0.4	1.65	22.6	1796.3
22	400KCMIL	1591	0.4	1.65	23.9	2037.1
23	450KCMIL	1790	0.4	1.65	25.2	2277.0
24	500KCMIL	1989	0.4	1.65	26.3	2516.3

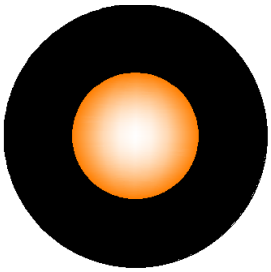
电子线 ELECTRONIC WIRE

09

H05V-U/H07V-U

TUV/CE 双认证 PVC 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified PVC insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

主要用于电力设施中的电力传输、控制和连接，也可用于室内照明线路、插座供电线路等。

Scope of application

Mainly used for power transmission, control and connection in power facilities. It can also be applied to indoor lighting circuits, socket power supply circuits, etc.

产品特性

阻燃性符合 IEC60332-1-2。

Product characteristics

Flame retardancy conform to IEC 60332-1-2.

技术认证

CE 认证；
符合 EN50525-2-31；
RoHS,REACH。

Technical certification

CE Certification;
conform to EN 50525-2-31;
RoHS, REACH.

电缆结构

裸铜丝，符合 EN60228 标准（1 类）；
PVC 芯线绝缘。

Cable structure

Bare copper，conform to EN 60228 (Class 1);
PVC core insulation.

技术参数

导体电阻：符合 EN60228 标准；
额定温度：70℃；
额定电压：300/500V；
　　450/750V。
测试电压：2000V/5min；
　　2500V/5min。
温度范围：固定安装：-15℃至+ 70℃；
最小弯曲半径：6X 电缆直径。

Technical parameters

Conductor Resistance:
conform to EN 60228 standard;
Rated Temperature: 70℃ ;
Rated Voltage: 300/500V; 450/750V;
Test Voltage: 2000V for 5 minutes;
　　2500V for 5 minutes.
Temperature Range:
Fixed installation: -15℃ to +70℃ ;
Minimum Bending Radius: 6 × cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
		H05V-U		
1	1X0.5mm²	2.0	4	9
2	1X0.75mm²	2.2	7	11
3	1X1.0mm²	2.4	9	14
		H07V-U		
1	1X1.5mm²	2.8	14	21
2	1X2.5mm²	3.4	22	33
3	1X4.0mm²	3.9	36	48
4	1X6.0mm²	4.4	54	69
5	1X10mm²	5.6	90	113

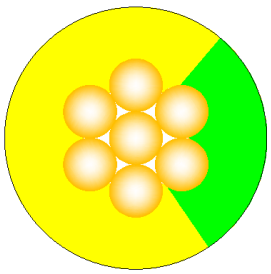
电子线 ELECTRONIC WIRE

09

H05V-R/H07V-R

TUV/CE 双认证 PVC 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified PVC insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

主要用于电力设施中的电力传输、控制和连接，也可用于室内照明线路、插座供电线路等。

Scope of application

Mainly used for power transmission, control and connection in power facilities. It can also be applied to indoor lighting circuits, socket power supply circuits, etc.

产品特性

阻燃性符合 IEC60332-1-2。

Product characteristics

Flame retardancy conform to IEC 60332-1-2.

技术认证

CE 认证，TUV 认证；
符合 EN50525-2-31；
RoHS,REACH。

Technical certification

CE certification,TUV certification;
conform to EN 50525-2-31;
RoHS, REACH.

电缆结构

裸铜丝，符合 EN60228 标准（2 类）；
PVC 芯线绝缘。

Cable structure

Bare copper，conform to EN 60228 (Class 2);
PVC core insulation.

技术参数

导体电阻：符合 EN60228 标准；
额定温度：70℃；
额定电压：300/500V；
450/750V。
测试电压：2000V/5min；
2500V/5min。
温度范围：固定安装：-15℃至+ 70℃；
最小弯曲半径：5X 电缆直径。

Technical parameters

Conductor Resistance:
conform to EN 60228 standard;
Rated Temperature: 70℃ ;
Rated Voltage: 300/500V; 450/750V;
Test Voltage: 2000V for 5 minutes;
2500V for 5 minutes.
Temperature Range:
Fixed installation: -15℃ to +70℃ ;
Minimum Bending Radius: 5 × cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X1.5mm²	3.0	13	22
2	1X2.5mm²	3.6	22	34
3	1X4.0mm²	4.2	36	50
4	1X6.0mm²	4.8	55	72
5	1X10mm²	6.0	92	118
6	1X16mm²	7.2	146	182
7	1X25mm²	8.8	229	281
8	1X35mm²	10.0	320	383
9	1X50mm²	12.0	458	535
10	1X70mm²	13.8	644	737
11	1X95mm²	15.9	869	988
12	1X120mm²	17.5	1098	1231
13	1X150mm²	19.6	1373	1540
14	1X185mm²	21.8	1692	1900
15	1X240mm²	24.6	2194	2451

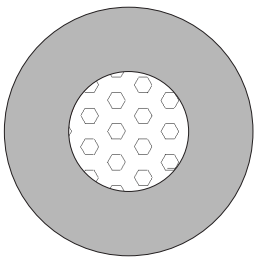
电子线 ELECTRONIC WIRE

09

H05V-K/H07V-K

TUV/CE 双认证 PVC 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified PVC insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

广泛应用于工业设备内部的电气连接，包括电气柜，控制室，连接器等，也可用于照明等。适用于项目布线。更好的柔软，安装方便，节省空间。

Scope of application

Widely used for electrical connections inside industrial equipment, including electrical cabinets, control rooms, connectors, etc., it can also be used for lighting, etc. Suitable for project wiring. Better softness, easy installation, and space saving.

产品特性

柔性，易弯曲；
阻燃等级 IEC60332-1-2；
耐热性可达 70℃ (105℃可选）；
优异的耐寒性能 -40℃（可选）。

Product characteristics

Flexible and easy to bend;
Flame retardant grade IEC60332-1-2;
Heat resistance can reach 70 ℃ (105 ℃ optional);
Excellent cold resistance -40 ℃ (optional).

技术认证

CE 认证，TUV 认证；
符合 EN 50525-2-31:2011；
RoHS，REACH。

Technical certification

CE certification,TUV certification;
Complies with EN 50525-2-31:2011;
RoHS，REACH.

电缆结构

多股束绞裸铜丝（或镀锡铜丝）；
单股裸铜丝（或单股镀锡铜丝）；
特制环保 PVC 绝缘。

Cable structure

Multi strand twisted bare copper wire (or tinned copper wire);
single strand bare copper wire (or single strand tinned copper wire);
Specially designed environmentally friendly PVC insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压 :H05V-K 300V/500V,
H07V-K 450/750V；
测试电压 :H05V-K 2000V，
H07V-K 2500V；
温度范围：-40-70℃；
最小弯曲半径固定：5X 电缆直径；
最小弯曲半径移动：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: H05V-K 300V/500V,
H07V-K 450/750V;
Test voltage: H05V-K 2000V,
H07V-K 2500V;
Temperature range: -40-70 ℃ ;
Fixed minimum bending radius: 5X cable diameter;
Movement minimum bending radius: 15X cable diameter.



物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	1X0.5mm²	28	0.15	0.60	2.10	
2	1X0.75mm²	24	0.20	0.60	2.30	
3	1X1.0mm²	32	0.20	0.60	2.50	
4	1X1.5mm²	48	0.20	0.70	3.00	
5	1X2.5mm²	80	0.20	0.80	3.60	
6	1X4.0mm²	82	0.25	0.80	4.20	
7	1X6.0mm²	122	0.25	0.80	5.25	
8	1X10mm²	204	0.25	1.00	6.70	
9	1X16mm²	326	0.25	1.00	8.00	
10	1X25mm²	509	0.25	1.20	10.00	
11	1X35mm²	713	0.25	1.20	11.30	
12	1X50mm²	1018	0.25	1.40	13.50	
13	1X70mm²	1425	0.25	1.40	15.50	
14	1X95mm²	1935	0.25	1.60	17.80	
15	1X120mm²	2442	0.25	1.60	18.90	
16	1X150mm²	3055	0.25	1.80	21.00	
17	1X185mm²	1472	0.40			
18	1X240mm²	1910	0.40			

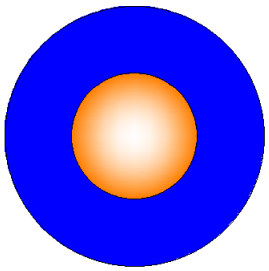
电子线 ELECTRONIC WIRE

09

H05Z1-U/H07Z1-U

TUV/CE 双认证 PO 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified PO insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

写字楼、商场、酒店、医院等人员密集场所的内部布线，如照明、插座、消防系统（火灾报警、应急照明），减少火灾时的烟雾和毒气危害。配电柜、控制柜、变频器等设备的内部连接线，满足阻燃、低烟无卤的安全标准，降低设备故障时的火灾风险。

Scope of application

The internal wiring in densely populated venues such as office buildings, shopping malls, hotels, and hospitals, including lighting, sockets, and fire protection systems (fire alarms, emergency lighting), reduces the hazards of smoke and toxic gases during a fire. The internal connection wires of equipment such as distribution cabinets, control cabinets, and frequency converters meet the safety standards for flame retardancy and low smoke halogen-free, reducing the risk of fire in the event of equipment failure.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2；
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant conform to IEC60332-1-2;
The low smoke rating conform to IEC61034-2;
Halogen-free grades meet IEC60754-1.

技术认证

CE 认证，TUV 认证;
符合 EN50525-3-31;
RoHS,REACH。

Technical certification

CE certification,TUV certification;
conform to EN50525-3-31;
RoHS，REACH.

电缆结构

裸铜丝，符合 EN60228 标准（1 类）；
低烟无卤 TI7 芯线绝缘，符合 EN50363-7。

Cable structure

Bare copper, conform to EN60228 standard (Class 1);
LSZH TI7 core insulated，conform to EN50363-7.

技术参数

导体电阻：符合 EN60228 标准;
额定温度：70℃;
额定电压：300/500V；450/750V;
测试电压：2000V/5min;
2500V/5min;
温度范围：固定安装：-40℃至+ 70℃;
最小弯曲半径：6X 电缆直径。

Technical parameters

Conductor Resistance:
conform to EN60228 standard;
Rated temperature: 70℃ ;
Rated voltage: 300/500V; 450/750V;
Test voltage: 2000V/5min; 2500V/5min;
Temperature range:
fixed installation: -40℃ to +70℃ ;
Minimum bending radius: 6X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
		H05Z1-U		
1	1X0.5mm²	2.0	4	9
2	1X0.75mm²	2.2	7	11
3	1X1.0mm²	2.4	9	14
		H07Z1-U		
1	1X1.5mm²	2.8	14	21
2	1X2.5mm²	3.4	22	33
3	1X4.0mm²	3.9	36	48
4	1X6.0mm²	4.4	54	69
5	1X10mm²	5.6	90	113

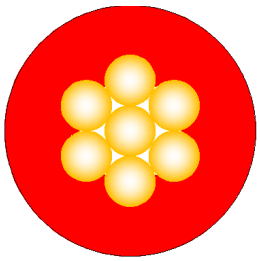
电子线 ELECTRONIC WIRE

09

H05Z1-R/H07Z1-R

TUV/CE 双认证 PO 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified PO insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
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AWM1571
AWM1618
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AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

写字楼、商场、酒店、医院等人员密集场所的内部布线，如照明、插座、消防系统（火灾报警、应急照明），减少火灾时的烟雾和毒气危害。配电柜、控制柜、变频器等设备的内部连接线，满足阻燃、低烟无卤的安全标准，降低设备故障时的火灾风险。

Scope of application

The internal wiring in densely populated venues such as office buildings, shopping malls, hotels, and hospitals, including lighting, sockets, and fire protection systems (fire alarms, emergency lighting), reduces the hazards of smoke and toxic gases during a fire. The internal connection wires of equipment such as distribution cabinets, control cabinets, and frequency converters meet the safety standards for flame retardancy and low smoke halogen-free, reducing the risk of fire in the event of equipment failure.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2；
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant conform to IEC60332-1-2;
The low smoke rating conform to IEC61034-2;
Halogen-free grades meet IEC60754-1.

技术认证

CE 认证，TUV 认证;
符合 EN50525-3-31;
RoHS,REACH。

Technical certification

CE certification,TUV certification;
conform to EN50525-3-31;
RoHS，REACH.

电缆结构

裸铜丝，符合 EN60228 标准（2 类）；
低烟无卤 TI7 芯线绝缘，符合 EN50363-7。

Cable structure

Bare copper, conform to EN60228 standard (Class 2);
LSZH TI7 core insulated，conform to EN50363-7.

技术参数

导体电阻：符合 EN60228 标准;
额定温度：70℃;
额定电压：300/500V;
450/750V
测试电压：2000V/5min;
2500V/5min。
温度范围：固定安装：-40℃至+ 70℃;
最小弯曲半径：5X 电缆直径。

Technical parameters

Conductor Resistance:
conform to EN60228 standard;
Rated temperature: 70℃
Rated voltage: 300/500V; 450/750V
Test voltage: 2000V/5min; 2500V/5min;
Temperature range:
fixed installation: -40℃ to +70℃;
Minimum bending radius: 5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X1.5mm²	3.0	13	22
2	1X2.5mm²	3.6	22	34
3	1X4.0mm²	4.2	36	50
4	1X6.0mm²	4.8	55	72
5	1X10mm²	6.0	92	118
6	1X16mm²	7.2	146	182
7	1X25mm²	8.8	229	281
8	1X35mm²	10.0	320	383
9	1X50mm²	12.0	458	535
10	1X70mm²	13.8	644	737
11	1X95mm²	15.9	869	988
12	1X120mm²	17.5	1098	1231
13	1X150mm²	19.6	1373	1540
14	1X185mm²	21.8	1692	1900
15	1X240mm²	24.6	2194	2451

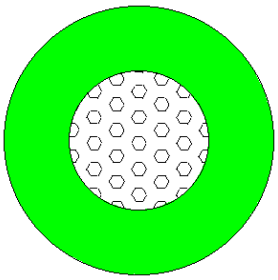
电子线 ELECTRONIC WIRE

09

H05Z1-K/H07Z1-K

TUV/CE 双认证 PO 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified PO insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

写字楼、商场、酒店、医院等人员密集场所的内部布线，如照明、插座、消防系统（火灾报警、应急照明），减少火灾时的烟雾和毒气危害。配电柜、控制柜、变频器等设备的内部连接线，满足阻燃、低烟无卤的安全标准，降低设备故障时的火灾风险。

Scope of application

The internal wiring in densely populated venues such as office buildings, shopping malls, hotels, and hospitals, including lighting, sockets, and fire protection systems (fire alarms, emergency lighting), reduces the hazards of smoke and toxic gases during a fire. The internal connection wires of equipment such as distribution cabinets, control cabinets, and frequency converters meet the safety standards for flame retardancy and low smoke halogen-free, reducing the risk of fire in the event of equipment failure.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2;
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant according to IEC60332-1-2 ;
The low smoke rating meets IEC61034-2;
Halogen-free grades meet IEC60754-1.

技术认证

CE 认证，TUV 认证;
符合 EN50525-3-31;
RoHS,REACH。

Technical certification

CE certification,TUV certification;
conform to EN50525-3-31;
RoHS，REACH.

电缆结构

裸铜丝，符合 EN60228 标准（5 类）;
低烟无卤 TI7 芯线绝缘，符合 EN50363-7。

Cable structure

Bare copper, conform to EN60228 standard (Class 5);
LSZH TI7 core insulated，conform to EN50363-7.

技术参数

导体电阻：符合 EN60228 标准;
额定温度：70℃;
额定电压：300/500V；450/750V;
测试电压：2000V/5min；2500V/5min;
温度范围：固定安装：-40℃至+ 70℃;
最小弯曲半径：4X 电缆直径。

Technical parameters

Conductor Resistance:
conform to EN60228 standard;
Rated temperature: 70℃;
Rated voltage: 300/500V; 450/750V;
Test voltage: 2000V/5min; 2500V/5min;
Temperature range:
fixed installation: -40℃ to +70℃;
Minimum bending radius: 4X cable diameter。



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X0.5mm²	2.1	4	9
2	1X0.75mm²	2.3	7	12
3	1X1.0mm²	2.5	9	15
4	1X1.5mm²	3.0	14	22
5	1X2.5mm²	3.6	23	34
6	1X4.0mm²	4.2	37	50
7	1X6.0mm²	4.8	54	70
8	1X10mm²	6.5	92	120
9	1X16mm²	7.7	147	182
10	1X25mm²	9.5	229	282
11	1X35mm²	11.0	321	385
12	1X50mm²	13.0	458	545
13	1X70mm²	15.0	641	748
14	1X95mm²	17.5	871	1015
15	1X120mm²	19.3	1099	1263
16	1X150mm²	21.8	1375	1592
17	1X185mm²	23.8	1696	1939
18	1X240mm²	27.0	2200	2508

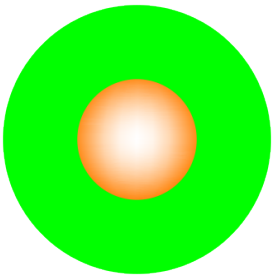
电子线 ELECTRONIC WIRE

09

H05Z-U/H07Z-U

TUV/CE 双认证 XLPO 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified XLPO insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

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AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

写字楼、商场、酒店、医院等人员密集场所的内部布线，如照明、插座、消防系统（火灾报警、应急照明），减少火灾时的烟雾和毒气危害。配电柜、控制柜、变频器等设备的内部连接线，满足阻燃、低烟无卤的安全标准，降低设备故障时的火灾风险。

Scope of application

The internal wiring in densely populated venues such as office buildings, shopping malls, hotels, and hospitals, including lighting, sockets, and fire protection systems (fire alarms, emergency lighting), reduces the hazards of smoke and toxic gases during a fire. The internal connection wires of equipment such as distribution cabinets, control cabinets, and frequency converters meet the safety standards for flame retardancy and low smoke halogen-free, reducing the risk of fire in the event of equipment failure.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2;
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant conform to IEC60332-1-2;
The low smoke rating conform to IEC61034-2;
Halogen-free grades meet IEC60754-1.

技术认证

CE 认证;
符合 EN50525-3-41;
RoHS,REACH。

Technical certification

CE certification;
conform to EN50525-3-41;
RoHS，REACH.

电缆结构

裸铜丝，符合 EN60228 标准（1 类）；
低烟无卤 EI5 芯线绝缘，符合 EN50363-5。

Cable structure

Bare copper, conform to EN60228 standard (Class 5);
LSZH EI5 core insulated，conform to EN50363-5.



技术参数

导体电阻：符合 EN60228 标准；
额定温度：90℃；
额定电压：300/500V；450/750V；
测试电压：2000V/5min；2500V/5min；
温度范围：固定安装：−40℃至+ 90℃；
最小弯曲半径：6X 电缆直径。

Technical parameters

Conductor Resistance: conform to EN60228 standard;
Rated temperature: 90℃ ;
Rated voltage: 300/500V; 450/750V;
Test voltage: 2000V/5min; 2500V/5min;
Temperature range: fixed installation: −40℃ to +90℃ ;
Minimum bending radius: 6X cable diameter.

物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
		H05Z-U		
1	1X0.5mm²	2.0	4	9
2	1X0.75mm²	2.2	7	11
3	1X1.0mm²	2.4	9	14
		H07Z-U		
1	1X1.5mm²	2.8	14	21
2	1X2.5mm²	3.4	22	33
3	1X4.0mm²	3.9	36	48
4	1X6.0mm²	4.4	54	69
5	1X10mm²	5.6	90	113

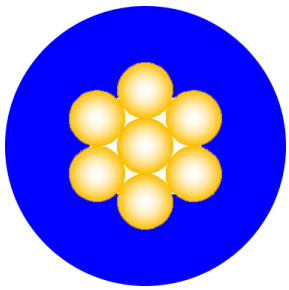
电子线 ELECTRONIC WIRE

09

H05Z-R/H07Z-R

TUV/CE 双认证 XLPO 绝缘低烟无卤阻燃单芯电子线

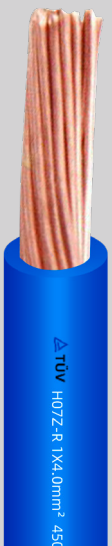
TUV/CE dual certified XLPO insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
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AWM1571
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AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

写字楼、商场、酒店、医院等人员密集场所的内部布线，如照明、插座、消防系统（火灾报警、应急照明），减少火灾时的烟雾和毒气危害。配电柜、控制柜、变频器等设备的内部连接线，满足阻燃、低烟无卤的安全标准，降低设备故障时的火灾风险。

Scope of application

The internal wiring in densely populated venues such as office buildings, shopping malls, hotels, and hospitals, including lighting, sockets, and fire protection systems (fire alarms, emergency lighting), reduces the hazards of smoke and toxic gases during a fire. The internal connection wires of equipment such as distribution cabinets, control cabinets, and frequency converters meet the safety standards for flame retardancy and low smoke halogen-free, reducing the risk of fire in the event of equipment failure.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2;
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant conform to IEC60332-1-2;
The low smoke rating conform to IEC61034-2;
Halogen-free grade conform to IEC60754-1.

技术认证

CE 认证;
符合 EN50525-3-41;
RoHS,REACH。

Technical certification

CE certificationl
conform to EN50525-3-41;
RoHS，REACH.

电缆结构

裸铜丝，符合 EN60228 标准（2 类）;
低烟无卤 EI5 芯线绝缘，符合 EN50363-5。

Cable structure

Bare copper, conform to EN60228 standard (Class 5);
LSZH EI5 core insulated，conform to EN50363-5.

技术参数

导体电阻：符合 EN60228 标准;
额定温度：90℃;
额定电压：300/500V;450/750V;
测试电压：2000V/5min;2500V/5min;
温度范围：固定安装：-40℃至+ 90℃;
最小弯曲半径：5X 电缆直径。

Technical parameters

Conductor Resistance: conform to EN60228 standard;
Rated temperature: 90℃ ;
Rated voltage: 300/500V; 450/750V;
Test voltage: 2000V/5min; 2500V/5min;
Temperature range: fixed installation: -40℃ to +90℃ ;
Minimum bending radius: 5X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X1.5mm²	3.0	13	22
2	1X2.5mm²	3.6	22	34
3	1X4.0mm²	4.2	36	50
4	1X6.0mm²	4.8	55	72
5	1X10mm²	6.0	92	118
6	1X16mm²	7.2	146	182
7	1X25mm²	8.8	229	281
8	1X35mm²	10.0	320	383
9	1X50mm²	12.0	458	535
10	1X70mm²	13.8	644	737
11	1X95mm²	15.9	869	988
12	1X120mm²	17.5	1098	1231
13	1X150mm²	19.6	1373	1540
14	1X185mm²	21.8	1692	1900
15	1X240mm²	24.6	2194	2451

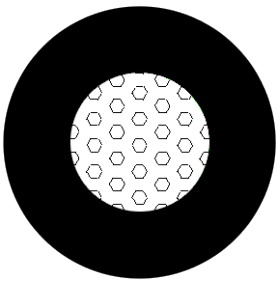
电子线 ELECTRONIC WIRE

09

H05Z-K/H07Z-K

TUV/CE 双认证 XLPO 绝缘低烟无卤阻燃单芯电子线

TUV/CE dual certified XLPO insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

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H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

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Scope of application

The internal wiring in densely populated venues such as office buildings, shopping malls, hotels, and hospitals, including lighting, sockets, and fire protection systems (fire alarms, emergency lighting), reduces the hazards of smoke and toxic gases during a fire. The internal connection wires of equipment such as distribution cabinets, control cabinets, and frequency converters meet the safety standards for flame retardancy and low smoke halogen-free, reducing the risk of fire in the event of equipment failure.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2；
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant according to IEC60332-1-2;
The low smoke rating meets IEC61034-2 ;
Halogen-free grades meet IEC60754-1.

技术认证

CE 认证;
符合 EN50525-3-41;
RoHS,REACH。

Technical certification

CE certification;
conform to EN50525-3-41;
RoHS，REACH.

电缆结构

裸铜丝，符合 EN60228 标准（5 类）；
低烟无卤 EI5 芯线绝缘，符合 EN50363-5。

Cable structure

Bare copper, conform to EN60228 standard (Class 5);
LSZH EI5 core insulated，conform to EN50363-5.

技术参数

导体电阻：符合 EN60228 标准;
额定温度：90℃;
额定电压：300/500V；450/750V;
测试电压：2000V/5min；2500V/5min;
温度范围：固定安装：-40℃至+ 90℃;
最小弯曲半径：4X 电缆直径。

Technical parameters

Conductor Resistance: conform to EN60228 standard;
Rated temperature: 90℃ ;
Rated voltage: 300/500V; 450/750V;
Test voltage: 2000V/5min; 2500V/5min;
Temperature range: fixed installation: -40℃ to +90℃ ;
Minimum bending radius: 4X cable diameter.



物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X0.5mm²	2.1	4	9
2	1X0.75mm²	2.3	7	12
3	1X1.0mm²	2.5	9	15
4	1X1.5mm²	3.0	14	22
5	1X2.5mm²	3.6	23	34
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14	1X95mm²	17.5	871	1015
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16	1X150mm²	21.8	1375	1592
17	1X185mm²	23.8	1696	1939
18	1X240mm²	27.0	2200	2508

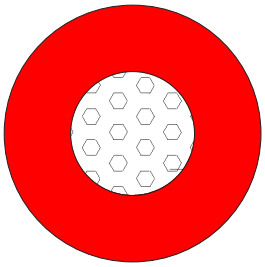
电子线 ELECTRONIC WIRE

09

AS/NZS 3191 V-90

SAA 认证 PVC 绝缘单芯电子线

SAA certified standard AS/NZS 3191 V-90 PVC insulated electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

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AWM3820
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AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

应用于电器、仪表和电子设备及自动化装置用开关柜及控制面板布线。也用于其他有保护管槽内的固定布线。 SAA 认证 3191 标准单芯线尤其适用于出口至澳洲。活动房，集装箱，冷藏柜及房车等内部安装。

Scope of application

Applied to switchgear and control panel wiring for electrical, instrumentation, electronic equipment, and automation devices. It is also used for fixed wiring in other protected conduit slots. SAA certified 3191 standard single core wire is particularly suitable for export to Australia. Internal installation of activity rooms, containers, refrigerated cabinets, and RVs.

产品特性

柔性，易弯曲；
阻燃等级 IEC60332-1；
具有耐碱、耐油、防潮、防霉、环保等特性。

Product characteristics

Flexible and easy to bend;
Flame retardant grade IEC60332-1;
Has characteristics such as alkali resistance, oil resistance, moisture resistance, mold resistance, and environmental protection.

技术认证

SAA 认证，TUV 认证；
符合 AS/NZS 3191 标准；
RoHS，REACH。

Technical certification

SAA certification,TUV certification;
Complies with AS/NZS 3191 standard;
RoHS，REACH.

电缆结构

多股束绞裸铜丝（或镀锡铜丝），
符合 IEC60228 标准，第 5 类；
特制 PVC 芯线绝缘。

Cable structure

Multi strand stranded bare copper wire (or tinned copper wire), in accordance with IEC60228 standard, Class 5;
Specially made PVC core wire insulation.

技术参数

绝缘颜色标识：符合国际色规；
额定电压：250/440V；
额定温度：90℃；
绝缘电阻：＞ 20MΩ x km；
测试电压：2000V；
最小弯曲半径：15X 电缆直径。

Technical parameters

Insulation color identification:
Compliant with international color standards;
Rated voltage: 250/440V;
Rated temperature: 90 ℃ ;
Insulation resistance: ＞ 20M Ω x km;
Test voltage: 2000V;
Minimum bending radius: 15X cable diameter.

Reach

物料编号 Item No	规格 Specification	导体结构 Conductor structure		绝缘厚度 mm Insulation thickness	绝缘外径 mm Insulation outer diameter	电缆重量 kg/km Cable weight
1	1X0.5mm²	28	0.15	0.60	2.1	8.8
2	1X0.75mm²	24	0.20	0.60	2.3	11.7
3	1X1.0mm²	32	0.20	0.60	2.5	14.5
4	1X1.5mm²	48	0.20	0.70	3	21.2
5	1X2.5mm²	80	0.20	0.80	3.6	33.0
6	1X4.0mm²	82	0.25	0.80	4.2	50.0

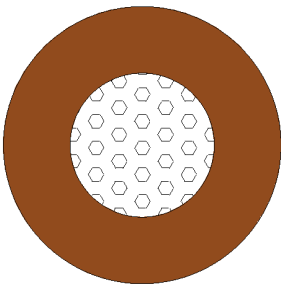
电子线 ELECTRONIC WIRE

09

AS/NZS 5000.2 V-90

SAA 认证 PVC 绝缘单芯电子线

SAA certified PVC insulated single-core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

主要用于电力设施中的电力传输、控制和连接，也可用于室内照明线路、插座供电线路等。

Scope of application

It is mainly used for power transmission, control and connection in power facilities, and can also be used for indoor lighting circuits, socket power supply lines, etc.

产品特性

阻燃性符合 IEC60332-1-2。

Product characteristics

Flame retardant conform to IEC60332-1-2.

技术认证

SAA 认证；
符合 AS/NZS 5000.2；
RoHS，REACH。

Technical certification

SAA certification;
conform to AS/NZS 5000.2;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808。

Cable structure

Bare copper，conform to AS/NZS 1125 (Class 5);
V-90 core insulation per AS/NZS 3808.

技术参数

导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：450/750V；
测试电压：2500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：4X 电缆直径。

Technical parameters

Conductor resistance: conform to AS/NZS 1125;
Rated temperature: 90℃ ;
Rated voltage: 450/750V ;
Test voltage: 2500V/5min ;
Temperature range:
fixed installation: -15 to +90℃ ;
Minimum bending radius: 4X cable diameter.






Reach

物料编号 Item No	芯数 X 标称截面 mm² Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X1.0mm²	2.5	9	15
2	1X1.5mm²	2.8	14	20
3	1X2.5mm²	3.5	23	33
4	1X4.0mm²	4.2	37	50
5	1X6.0mm²	4.8	54	70
6	1X10mm²	6.6	92	122
7	1X16mm²	7.7	147	182

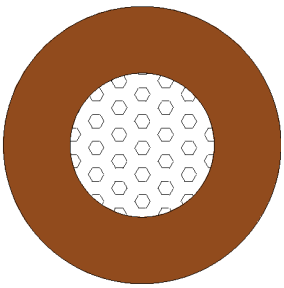
电子线 ELECTRONIC WIRE

09

AS/NZS 5000.1 V-90

SAA 认证 PVC 绝缘单芯电子线

SAA certified PVC insulated single-core electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

通常用于 0.6/1kV 低压系统，符合澳大利亚和新西兰电网的住宅及一般工商业电压要求。可用于建筑物内部的固定电力布线，如住宅、商业楼宇、工业厂房的配电系统。还能用于连接配电盘、开关设备、照明系统、插座等，还可用于开关柜及控制面板布线，以及活动房和房车等有保护管槽内的固定布线。

Scope of application

Typically used in 0.6/1kV low voltage systems to meet the residential and general commercial and industrial voltage requirements of the Australian and New Zealand power grids. It can be used for fixed power wiring inside buildings, such as power distribution systems for residential, commercial and industrial plants. It can also be used to connect switchboards, switchgear, lighting systems, sockets, etc., as well as for the wiring of switchgear and control panels, as well as for the fixed wiring in the protective pipe trough such as mobile homes and RVs.

产品特性

阻燃性符合 IEC60332-1-2；

Product characteristics

Flame retardant conform to IEC60332-1-2

技术认证

SAA 认证；
符合 AS/NZS 5000.1；
RoHS，REACH。

Technical certification

SAA certification
conform to AS/NZS 5000.1
RoHS, REACH

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）；
V-90 芯线绝缘，符合 AS/NZS 3808；
颜色：任意。

Cable structure

Bare copper,conform to AS/NZS 1125 (Class 5)
V-90 core insulation in accordance with AS/NZS 3808
Colour: Any color

技术参数

导体电阻：符合 AS/NZS 1125 标准；
额定温度：90℃；
额定电压：0.6/1kV；
测试电压：3500V/5min；
温度范围：固定安装：-15 至+ 90℃；
最小弯曲半径：4X 电缆直径。

Technical parameters

Conductor resistance:
conform to AS/NZS 1125
Rated temperature: 90℃
Rated voltage: 0.6/1kV
Test voltage: 3500V/5min
Temperature range: fixed installation: -15 to +90℃
Minimum bending radius: 4X cable diameter





Reach

物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X0.5mm²	2.6	4	12
2	1X0.75mm²	2.8	7	15
3	1X1.0mm²	2.9	9	18
4	1X1.5mm²	3.2	14	23
5	1X2.5mm²	3.7	23	35
6	1X4.0mm²	4.7	37	55
7	1X6.0mm²	5.2	54	75
8	1X10mm²	6.6	92	122
9	1X16mm²	7.8	147	184
10	1X25mm²	9.7	229	285
11	1X35mm²	11.0	321	385
12	1X50mm²	13.0	458	545
13	1X70mm²	15.0	641	748
14	1X95mm²	17.4	871	1011
15	1X120mm²	19.2	1099	1258
16	1X150mm²	21.5	1375	1575
17	1X185mm²	23.9	1696	1945
18	1X240mm²	27.0	2200	2508

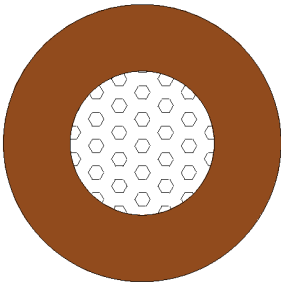
电子线 ELECTRONIC WIRE

09

AS/NZS 5000.1 X-HF-110

SAA 认证 XLPE 绝缘低烟无卤阻燃单芯电子线

SAA certified XLPE insulated low smoke halogen-free flame retardant electronic wire



单芯电子线

SINGLE-CORE ELECTRONIC WIRE

AWM1007
AWM1569
AWM1015
AWM1061
AWM1032
AWM10012
AWM1571
AWM1618
AWM1672
AWM1617
AWM1533
AWM1185
AWM10042
AWM10263
AWM3266
AWM3271
AWM3820
AWM3932
AWM3817
H05V-U/H07V-U
H05V-R/H07V-R
H05V-K/H07V-K
H05Z1-U/H07Z1-U
H05Z1-R/H07Z1-R
H05Z1-K/H07Z1-K
H05Z-U/H07Z-U
H05Z-R/H07Z-R
H05Z-K/H07Z-K
AS/NZS 3191 V-90
AS/NZS 5000.2 V-90
AS/NZS 5000.1 V-90
AS/NZS 5000.1 X-HF-110



应用范围

可用于建筑物内部的主干线、支干线和支电路布线，如商场、写字楼、酒店等。也适用于活动房和房车等的电气安装，适用于对防火性能要求较高的场合，在火灾发生时，能减少烟雾和有毒气体的释放，为人员疏散和消防救援争取时间。

Scope of application

It can be used for trunk lines, branch lines and branch circuit wiring inside buildings, such as shopping malls, office buildings, hotels, etc. It is also suitable for the electrical installation of mobile homes and caravans, etc., and is suitable for occasions with high requirements for fire performance, which can reduce the release of smoke and toxic gases in the event of a fire, and buy time for personnel evacuation and fire rescue.

产品特性

阻燃性符合 IEC60332-1-2;
低烟等级符合 IEC61034-2 ;
无卤等级符合 IEC60754-1。

Product characteristics

Flame retardant conform to IEC60332-1-2;
The low smoke rating conform to IEC61034-2;
Halogen-free grades meet IEC60754-1.

技术认证

SAA 认证;
符合 AS/NZS 5000.1;
RoHS，REACH。

Technical certification

SAA certification;
Conform to AS/NZS 5000.1;
RoHS, REACH.

电缆结构

裸铜丝，符合 AS/NZS 1125 标准（5 类）;
X-HF-110 芯线绝缘，符合 AS/NZS 3808。

Cable structure

Bare copper, conform to AS/NZS 1125 (Class 5);
X-HF-110 core insulation conform to AS/NZS 3808.

技术参数

导体电阻：符合 AS/NZS 1125 标准;
额定温度：110℃;
额定电压：0.6/1kV;
测试电压：3500V/5min;
温度范围：固定安装：-40 至+ 110℃;
最小弯曲半径：5X 电缆直径。

Technical parameters

Conductor resistance:
conform to AS/NZS 1125 ;
Rated temperature: 110℃ ;
Rated voltage: 0.6/1kV;
Test voltage: 3500V/5min;
Temperature range:
fixed installation: -40 to +110℃ ;
Minimum bending radius: 5X cable diameter.



Reach

物料编号 Item No	芯数 X 标称截面 mm^2 Cores X Sectional area	电缆外径约 mm Cable outer diameter	铜重量约 kg/km Copper weight	电缆重量 kg/km Cable weight
1	1X0.5mm²	2.50	4	11
2	1X0.75mm²	2.70	7	14
3	1X1.0mm²	2.90	9	18
4	1X1.5mm²	3.20	14	23
5	1X2.5mm²	3.70	23	35
6	1X4.0mm²	4.20	37	50
7	1X6.0mm²	4.80	54	70
8	1X10mm²	6.20	91	115
9	1X16mm²	7.30	145	173
10	1X25mm²	9.20	227	272
11	1X35mm²	10.60	318	371
12	1X50mm²	12.40	454	521
13	1X70mm²	14.50	635	723
14	1X95mm²	16.60	862	968
15	1X120mm²	18.50	1088	1214
16	1X150mm²	20.80	1361	1524
17	1X185mm²	23.00	1679	1875
18	1X240mm²	26.00	2179	2419



400-6262-000

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邮箱：shen@shaqiupu.com

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Qiaopu Cable (Nantong) Co., Ltd
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