NENGGONG CABLE

Wire & Cable Product Catalog

Nenggong Cable Co., Ltd. | Hebei, China

Source-based international sales edition. Specifications are from the original Chinese Nenggong catalog. Dimensions, construction, certifications and prices require confirmation for each order.

- Aluminum Alloy Power Cables
- XLPE Insulated Power Cables up to 35 kV
- Mineral-Insulated Flexible Fireproof Cables

Public business contact

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Company Profile

Established in 2009 in Ningjin County, Hebei, Nenggong Cable Co., Ltd. manufactures wires and cables for power distribution and industrial applications. The source catalog describes a site of more than 100,000 square meters, 60 employees including 20 technical staff, more than 10 production lines and over 30 testing equipment sets. Product families include aluminum alloy cables, XLPE insulated power cables up to 35 kV, control cables, flame-retardant and fire-resistant cables, mineral-insulated flexible fireproof cables, aerial insulated cables, prefabricated branch cables and low-smoke halogen-free cables. Custom constructions and production to other national standards are available subject to technical confirmation.

This sales edition does not reproduce supplier telephone numbers, bank information or certificate facsimiles.



STABILOY Aluminum Alloy Power Cable



Nenggong STABILOY aluminum alloy power cable for fixed power-distribution installations. The catalog specifies a minimum bending radius of 7 times cable diameter, elongation at or above 30%, rebound approximately 40% lower than copper cable, and electrical conductivity above 61.5% IACS. Lightweight alloy conductors and compacted construction help reduce installation space and handling effort. Cross-section, core count, insulation, sheath, voltage rating and applicable standard are configured to the buyer's technical specification.

Applications and advantages: See the product page for source-based application details and configurable constructions.

Technical specifications: The original catalog page is shown above. Confirm the required conductor, core count, cross-section, voltage rating and construction before ordering.

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1 kV to 35 kV XLPE Insulated Power Cable



能工线缆 NENG GONG CABLE

能工做精品 • 用电更安全
It is safer to use electricity to do fine work

能工线缆用“芯”做好每一米线
Energy Cable Makes Every Meter Wire with "Core"

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额定电压1KV到35KV挤包绝缘电力电缆

· 执行标准

GB/T12706.1～12706.3-2008额定电压1kv（Um=1.2kv）到35kv（Um=40.5kv）挤包绝缘电力电缆及附件。

· 用途

本产品适用于固定敷设在交流50HZ、额定电压0.6/1KV-26/35kv的电力输配电线路上作输送电能用。

· 使用特性

1）电缆导体的最高额定温度为PVC绝缘70℃，XLPE或EPR、HEPR绝缘90℃。

2）短路时（最长持续5s）电缆导体的最高温度PVC绝缘不超过160℃，XLPE、EPR、HEPR绝缘不超过250℃。

3）电缆敷设时的环境温度应不低于0℃，如在0℃以下敷设，应对电缆预热，电缆弯曲半径为：

单芯电缆不小于电缆外径的20倍，多芯电缆不小于电缆外径的15倍。

4）额定电压大于6KV电缆剥头时，应剪外屏蔽断离100mm左右，并清理干净，以防半导电屏蔽层沿导电线芯表面放电闪烁成击穿，引起绝缘的烧坏，酿成不必要的事故。

5）在敷设施工过程中，应防止水分和潮气进入电缆线芯，以防水锈放电，影响电缆使用寿命。

· 主要技术性能

1）电缆主要技术性能指标参数见表1

2）导体直流电阻见GB/T3956

3）电力电缆电容、电感、电抗见附录

表1 电缆技术性能指标参数

额定电压U₀/U（KV）	3.6/6	6/6、6/10	8.7/10 8.7/15	12/20	18/20	21/35	26/35
局部放电试验，试验位置视度（PC）	≤10					≤10	
工频5min耐压试验（KV）	12.5	21	30.5	42	63	73.5	91
4h工频试验（KV）	14.4	24	34.8	48	72	84	104
三次弯曲和热循环后的局部放电试验，试验位置较以期1.73U₀（PC）	≤10					≤5	
20KV交流电压在室温下tgδ 最高工作温度（90℃）tgδ	≤80×10⁻⁴					≤10×10⁻⁴	
冲击电压（KV）	60	75	95	125	170	200	200
30min交流电压试验（KV）						53	65

· 产品常用型号、名称、规格

型号 铜芯	型号 铝芯	名称	规格范围
VV	VLV	聚氯乙烯绝缘聚氯乙烯护套电力电缆	2.5～630mm² 1～5芯 0.6/1～26/35kv
VY	VLY	聚氯乙烯绝缘聚乙烯护套电力电缆	
VV22	VLV22	聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆	
VV23	VLV23	聚氯乙烯绝缘钢带铠装聚乙烯护套电力电缆	
VV32	VLV32	聚氯乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆	
VV33	VLV33	聚氯乙烯绝缘细钢丝铠装聚乙烯护套电力电缆	
YJV	YJLV	交联聚乙烯绝缘聚氯乙烯护套电力电缆	
YJY	YJLY	交联聚乙烯绝缘聚乙烯护套电力电缆	
YJV22	YJLV22	交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆	
YJV23	YJLV23	交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆	
YJV32	YJLV32	交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆	
YJV33	YJLV33	交联聚乙烯绝缘细钢丝铠装聚乙烯护套电力电缆	

注：本表中未列出的电缆型号可按GB/T 12706相应相关部分规定组成

· 产品表示方法

产品用型号、规格和标准编号表示

示例：交联聚乙烯绝缘钢带铠装屏蔽乙烯护套电力电缆，额定电压8.7/10KV，三芯，标称截面240mm²，表示为：YJV22-8.7/10 3×240 GB/T12706.2-2008

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Nenggong extruded-insulation power cable for fixed AC 50 Hz power transmission and distribution from 0.6/1 kV through 26/35 kV. Manufactured to GB/T 12706.1-12706.3-2008. XLPE, EPR or HEPR insulation supports a maximum continuous conductor temperature of 90 C; PVC insulation supports 70 C. The catalog lists maximum short-circuit conductor temperatures of 250 C for XLPE/EPR/HEPR and 160 C for PVC for up to 5 seconds. Conductor material, core count, cross-section, armor and sheath are selected per project specification.

Applications and advantages: See the product page for source-based application details and configurable constructions.

Technical specifications: The original catalog page is shown above. Confirm the required conductor, core count, cross-section, voltage rating and construction before ordering.

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Mineral-Insulated Flexible Fireproof Cable


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能工做精品 • 用电更安全
It is safer to use electricity to do fine work
能工线缆用“芯”做好每一米线
Energy Cable Makes Every Meter Wire with "Core"
NENGGONG能工线缆有限公司
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矿物绝缘柔性防火电缆
MINERAL INSULATED FLEXIBLE FIREPROOF CABLE
科技创造价值，专业彰显实力
矿物绝缘柔性防火电缆产品优势
THE ADVANTAGES FOR MINERAL INSULATED FLEXIBLE FIREPROOF CABLE
YTTW（BTTW）金属护套无机矿物绝缘柔性防火电缆
结构工艺设计先进
良好的弯曲柔软特性
耐高温及防火性能优越
耐辐照、不老化、使用寿命长
更加安全稳定
过载能力强
连续长度更长
综合经济效益明显
BBTRZ BBTRQ 柔性矿物绝缘防火电缆
NG-A（BTLY）金属套隔离型柔性矿物绝缘防火电缆
防火性能：
防辐射、寿命长、安全可靠
柔软易弯曲
机械强度高、防撞击
防爆、超阻燃
环保特性
产品结构图
CABLE CONSTRUCTION
YTTW（BTTW）、YTGW（BTGW）
YTTWY（BTTWY）、YTGWY（BTGWY）
NG-A（BTLY）
BBTRZ、BBTRQ
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Nenggong mineral-insulated flexible fireproof cable for critical power and control circuits in buildings, transport, industrial and emergency systems. The catalog specifies inorganic mineral insulation resistant to temperatures above 1300 C, a flexible copper or stainless-steel sheath, continuous lengths over 1000 m and a bending radius of 6-10 times cable diameter. Fire testing described in the catalog includes GB/T 12666.6 Class A at 950 C for 90 minutes and BS 6387 C/W/Z at 950 +/- 40 C for 3 hours. Exact construction and project compliance documents are confirmed per order.

Applications and advantages: See the product page for source-based application details and configurable constructions.

Technical specifications: The original catalog page is shown above. Confirm the required conductor, core count, cross-section, voltage rating and construction before ordering.

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