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# 珠峰电缆

大名有限公司

**ZHUFENG CABLE**  
DAMING CO., LTD.

资质文件



## 珠峰电缆大名有限公司

ZHUFENG CABLE DAMING CO., LTD.

地址：河北省邯郸市大名县经济开发区内北侧（215省道路东）

Add: North Side of Daming County Economic Development Zone  
(east of 215 road), Handan City, Hebei Province.

坚守工匠精神 打造优质产品  
Stick to the craftsman spirit and build quality products

提升企业  
竞争力



团结一致  
争做第一

ENTERPRISE COMPETITIVENESS



ZHUFENG CABLE



# 突破自我 DARES TO CHALLENGE

合作 团结 发展 交流 共赢 没有完美的个人 只有完美的团队

DEDICATED SERVICE TO THE WORLD.  
CREATE OUR FUTURE TOGETHER.

DUJUE WUJI  
TIFENG

## 公司简介 Company Profile

珠峰电缆大名有限公司是按照现代化企业制度建立的电线电缆专业制造企业，坐落于河北省邯郸市大名县工业园区，现有员工1500人左右，其中有中高级专业技术人员50名，高级工程师20名。公司占地面积30万平方米，建筑面积10万平方米，固定资产6亿元，现有生产设备160多套，检测设备仪器60多套，年生产能力达到80亿元人民币。

公司严格按照ISO9001质量管理体系和国际双重标准，对生产销售的各个环节实行全面质量管理，先后获得生产许可证、国家强制性CCC认证，并通过了ISO9001-2015质量体系认证、ISO14001-2015环境体系认证、ISO45001-2018职业健康安全管理体系认证。产品历年经国家检测中心、省、市等质检部门抽检均合格。

公司拥有先进的规模化系列成套生产设备和检测设备，生产能力和测试手段完全能够满足电线电缆的制造及各种性能测试的需要。主要生产经营销售35KV及以下高压电缆、低压电力电缆、架空电缆、控制电缆、橡套电缆、矿用电缆、矿物质防火电缆、耐火电缆、计算机电缆、低烟无卤电缆、钢芯铝绞线、特种电缆等十几大类上千个规格型号电缆产品。我们凭借丰富的制造经验、雄厚的技术力量、完善的检测设备，为众多国家重点工程提供了优质的产品与服务，并在用户中享有较高的知名度和美誉度。产品广泛应用于电力、建筑、石化、军工、机械制造、电子、科研、通讯等领域，畅销全国各地。

坚持依靠科技进步发展生产力。广纳本行业顶尖的技术和经营精英，不断优化产品结构，持之以恒地提升品牌信誉，以优良的装备、精湛的技术、优秀的人才、高效的管理制造一流的产品，实现公司全体员工不懈追求的目标：“您的需要是我最大的追求，您的满意是我最大的心愿”！

我们真诚的欢迎海内外朋友同我们合作，本着互惠互利的原则，共同开拓美好未来。

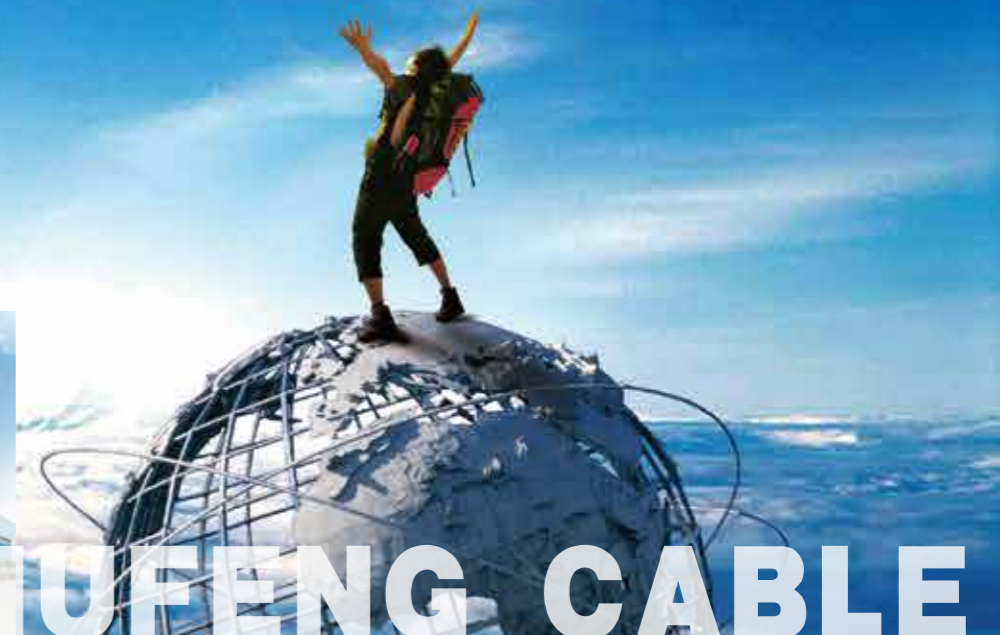
ZhuFeng cable Daming Co., Ltd. is a professional wire and cable manufacturing enterprise established in accordance with the modern enterprise system. It is located in Daming County Industrial Park, Handan City, Hebei Province. It has more than 1500 employees, including 50 middle and senior professional technicians and 20 senior engineers. The company covers an area of 300000 square meters, a construction area of 100000 square meters, fixed assets of 600 million yuan, and now has more than 160 sets of production equipment, more than 60 sets of testing equipment and instruments, annual production capacity reaches 8 billion yuan.

In strict accordance with ISO9001 quality management system and international double standards, the company implements total quality management in all links of production and sales, and has successively obtained production license, national compulsory CCC certification, and passed ISO9001-2015 quality system certification, ISO14001-2015 environmental system certification, ISO45001-2018 occupational health and safety management system certification. Over the years, the products have passed the sampling inspection by the national testing center, provincial and municipal quality inspection departments.

The company has advanced large-scale series of complete production equipment and testing equipment, and the production capacity and testing means can fully meet the needs of wire and cable manufacturing and various performance tests. It mainly produces, operates and sells more than ten categories of cable products with thousands of specifications and models, including 35kV and below high-voltage cables, low-voltage power cables, overhead cables, control cables, rubber sheathed cables, mining cables, mineral fire-resistant cables, fire-resistant cables, computer cables, low smoke halogen-free cables, steel cored aluminum stranded wires, special cables, etc. With rich manufacturing experience, strong technical force and perfect testing equipment, we provide high-quality products and services for many national key projects, and enjoy high popularity and reputation among users. The products are widely used in electric power, construction, petrochemical, military industry, machinery manufacturing, electronics, scientific research, communication and other fields, and sell well in more than 30 provinces and cities across the country.

Adhere to relying on scientific and technological progress to develop productive forces. Absorb the top technology and management elites in the industry, constantly optimize the product structure, constantly improve the brand of Xinpu, and manufacture first-class products with excellent equipment, exquisite technology, excellent talents and efficient management, so as to achieve the goal that all employees of the company unremittingly pursue: "your needs are my greatest pursuit, and your satisfaction is my greatest wish"!

We sincerely welcome friends at home and abroad to cooperate with us and jointly explore a better future based on the principle of mutual benefit.



## 目录 Contents

公司简介 COMPANY PROFILE	02
生产设备 PRODUCTION EQUIPMENT	04
检测设备 TESTING EQUIPMENT	08
设备列表 DEVICE LIST	10
产品展示 PRODUCT DISPLAY	12
销售业绩 SALES PERFORMANCE	15
销售网络 SALES NETWORK	16
荣誉证书 CERTIFICATE OF HONOR	17
检验报告 INSPECTION REPORT	41
技术数据 TECHNICAL DATA	56



## P 生产设备 Production Equipment

精良的设备是产品质量的保障，高科技、自动化的生产设备更是产品高质量的前提。公司具有国际先进水平的生产设备、多名专家及熟练的操作人员，并具备完善的工艺流程控制和职工操作程序。

Excellent equipment is the guarantee of product quality, high-tech, automated production equipment is the premise of high-quality products. The company has advanced international production equipment, many experts and skilled operators, and has perfect process control and staff operation procedures.







## P 生产设备 Production Equipment

我公司拥有国内大型综合性电线电缆生产车间，具有国际先进水平的生产设备，多名专家及熟练的操作人员、有产品研制与开发设计及制造的专业技术人员和现场技术服务的工程技术人员。

Our company has large-scale comprehensive wire and cable production workshop in China, advanced production equipment in the world, many experts and skilled operators, professional technicians in product development, design and manufacture, and engineers and technicians in field technical services.



## P 生产设备 Production Equipment

本公司生产设备有框式绞丝机、三层共挤交联生产线、高精度测偏仪、高压屏蔽机、大型高压成缆机、金属带铠装机、金属丝铠装机，大型盘绞机、150护套挤出机等全套高压线缆生产设备。具备生产额定高压6KV到35KV、规格从50到500mm<sup>2</sup>、1芯及3芯的挤包绝缘电力电缆。

先进的工序生产、工序监控和质量保证设施，使本厂在行业中较具规模，并以先进的技术不断发展壮大，不断开发生产出优质可靠、价格合理的产品。

The company's production equipment includes frame winch, three-layer co-extrusion cross-linking production line, high-precision polarimeter, high-pressure shielding machine, large-scale high-pressure cable-forming machine, metal belt armor machine, metal wire armor machine, large-scale winch, 150 sheath extruder and other high-voltage cable production equipment. With the production of rated high voltage 6KV to 35KV, specifications from 50 to 500mm<sup>2</sup>, 1 core and 3 core extruded insulated power cables.

Advanced process production, process monitoring and quality assurance facilities enable our factory to have a larger scale in the industry, and develop and produce high-quality, reliable and reasonably priced products with advanced technology.







## 检测设备 Testing Equipment

公司制定了以国际市场需求标准为导向，以高质量产品为核心，以科技进步和技术创新为动力，达到产品多样化、生产专业化和整体规范化管理为目标。将珠峰电缆打造成国际化的高科技加工制造企业。

The company has formulated international market demand standards as the guide, high-quality products as the core, scientific and technological progress and technological innovation as the driving force, to achieve product diversification, production specialization and overall standardization of management as the goal. Everest cable will be built into an international high-tech processing and manufacturing enterprise.



优良的检测设备，是生产出高规格产品的基本保证，我们对每一个产品都严格检测，精益求精，很好的保障了客户的利益。

Excellent testing equipment is the basic guarantee for the production of high-specification products. We strictly test every product and strive for excellence, which guarantees the interests of customers.





**主要生产设备一览表**  
Production equipment

序号 Sequence number	名称 Name	规格型号 Specification Type	数量 Number	单位 Unit	产地 Producing area
1	150护套生产线 150 sheath production line	150Φ	1	套 Set	江苏苏阳电工机械厂 Jiangsu Suyang Electric Machinery Factory
2	框式绞丝机 Frame winch		2	套 Set	江苏苏阳电工机械厂 Jiangsu Suyang Electric Machinery Factory
3	装铠机 Armoure		2	套 Set	江苏苏阳电工机械厂 Jiangsu Suyang Electric Machinery Factory
4	成缆机 Cabling machine		2	套 Set	江苏苏阳电工机械厂 Jiangsu Suyang Electric Machinery Factory
5	铜带屏蔽机 Copper Strip Shielding Machine		1	套 Set	合肥神马电工机械厂 Hefei Shenma Electric Machinery Factory
6	橡胶挤出连续硫化线 Rubber Extrusion Continuous Curing Line	XJ150Φ	1	套 Set	天津电缆机械厂 Tianjin Cable Machinery Factory
7	橡胶挤出连续硫化线 Rubber Extrusion Continuous Curing Line	XJ90Φ	1	套 Set	天津电缆机械厂 Tianjin Cable Machinery Factory
8	橡胶挤出连续硫化线 Rubber Extrusion Continuous Curing Line	XJ65Φ	1	套 Set	天津电缆机械厂 Tianjin Cable Machinery Factory
9	橡胶挤出连续硫化线 Rubber Extrusion Continuous Curing Line	XJ45Φ对挤	1	套 Set	天津电缆机械厂 Tianjin Cable Machinery Factory
10	束丝机 Towing machine		4	套 Set	山西新降机械厂 Shanxi Xinjiang Machinery Factory
11	橡胶电缆成缆机 Rubber Cable Cable Former		3	套 Set	天津电缆机械厂 Tianjin Cable Machinery Factory
12	塑料挤出机 Plastic extruder	65Φ	2	套 Set	南京电工机械厂 Nanjing Electrical Machinery Factory
13	塑料挤出机 Plastic extruder	90Φ	2	套 Set	南京电工机械厂 Nanjing Electrical Machinery Factory
14	塑料挤出机 Plastic extruder	120Φ	2	套 Set	南京电工机械厂 Nanjing Electrical Machinery Factory
15	塑料挤出机 Plastic extruder	150Φ	1	套 Set	南京电工机械厂 Nanjing Electrical Machinery Factory
16	塑料电缆成缆机 Plastic Cable Making Machine	125Φ/3+2	3	套 Set	合肥神马电工机械厂 Hefei Shenma Electric Machinery Factory
17	叉式绞丝机 Fork winch	400Φ	3	套 Set	河南新乡市力矩机械厂 Henan Xinxiang torque machinery factory
18	管式绞丝机 Tubular winch	400Φ	2	套 Set	河南新乡市力矩机械厂 Henan Xinxiang torque machinery factory
19	开放式炼胶机 Open rubber refiner	S(X)K-160Φ	2	套 Set	上海电工机械厂 Shanghai Electrical Machinery Factory

**主要检测设备一览表**  
Detection equipment

序号 Sequence number	名称 Name	规格型号 Specification Type	数量 Number	单位 Unit	产地 Producing area
1	单根垂直燃烧试验仪 Single Vertical Combustion Tester	CRY-1	1	台 Set	抚顺市彭福实业有限公司 Fushun Pengfu Industrial Co., Ltd.
2	工频火花机 Power frequency spark machine	GJ-25	4	台 Set	晋州市机电销售处 Jinzhou Electrical and Mechanical Sales Office
3	显微镜 Microscope	15J	1	台 Set	上海 Shanghai
4	直流电桥 DC Bridge	QJ57	1	台 Set	上海正阳仪表厂 Shanghai Zhengyang Instrument Factory
5	拉力试验机 Tensile testing machine	LDS-30	1	台 Set	济南思达测试技术有限公司 Jinan Sida Testing Technology Co., Ltd.
6	拉力试验机 Tensile testing machine	LDS-50	1	台 Set	济南思达测试技术有限公司 Jinan Sida Testing Technology Co., Ltd.
7	投影仪 Projector	XLTY-1	1	台 Set	天津市骄阳科技有限公司 Tianjin Jiaoyang Technology Co., Ltd.
8	老化试验箱 Aging test box	XL	1	台 Set	石家庄市越洋试验设备厂 Shijiazhuang Transoceanic Test Equipment Factory
9	分析天平 Analytical balance	TG328A	1	台 Set	上海精密科学仪器有限公司 Shanghai Precision Scientific Instruments Co., Ltd.
10	直流电桥 DC Bridge	QJ57	2	台 Set	上海正阳仪表厂 Shanghai Zhengyang Instrument Factory
11	局部放电检测仪 Partial Discharge Detector	JF-2006	1	台 Set	扬州市天安高压测试设备有限公司 Yangzhou Tianan High Voltage Testing Equipment Co., Ltd.
12	玻璃恒温水浴 Glass thermostatic water bath	76-1	1	台 Set	金坛市华峰仪器有限公司 Jintan Huafeng Instrument Co., Ltd.
13	绝缘电阻测试仪 Insulation resistance tester	ZC-90E	1	台 Set	上海远中电子仪器厂 Shanghai Yuanzhong Electronic Instrument Factory
14	冲片机 Punching machine	KC-04	1	台 Set	上海科创检测设备有限公司 Shanghai Kechuang Testing Equipment Co., Ltd.
15	削片机 Chipper	XP-19型	2	台 Set	上海科创检测设备有限公司 Shanghai Kechuang Testing Equipment Co., Ltd.
16	精密恒温水槽 Precision Constant Temperature Flume	SDH-102	1	台 Set	温州电泵厂 Wenzhou Electric Pump Plant
17	线材扭转试验机 Wire Rod Torsion Testing Machine	GX-6	1	台 Set	青山试验机械厂 Qingshan Test Machinery Factory
18	高压试验变压器 High Vol	YD-5-90	1	台 Set	营口特种变压器厂 Yingkou Special Transformer Factory

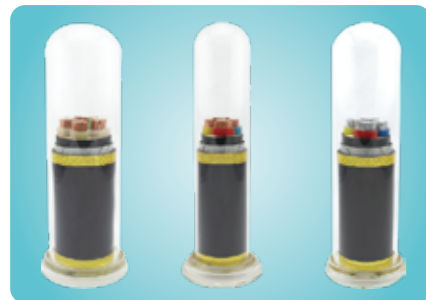




**部分产品展示**  
PRODUCT DISPLAY

公司专业生产低压电力电缆、控制电缆、阻燃电缆、护套电缆、耐火电缆、橡套矿用电缆、屏蔽电缆、通讯电缆、架空电线电缆等十几个系列，100多个品种上千个规格。

The company specializes in the production of low-voltage power cables, control cables, flame-retardant cables, sheathed cables, fire-resistant cables, rubber-sheathed mining cables, shielded cables, communication cables, overhead cables and other dozens of series, more than 100 varieties of thousands of specifications.



**低压交联电力电缆** Low Voltage Cross-linked Power Cable

YJV、YJV22、YJLV、YJLV22、系列交联电缆，VV、VV22、VLV、VLV22系列电力电缆（包括阻燃、耐火型电缆）

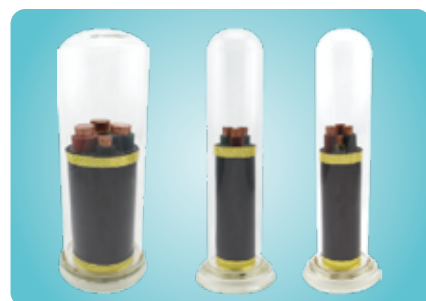
YJV, YJV22, YJLV, YJLV22, series of cross-linked cables, VV, VV22, VLV, VLV22 series of power cables (including flame retardant, fire-resistant cables)



**预分支电缆** Pre-branched cable

主要适用于额定电压0.6/1kV及以下中高层建筑的供电干线。可广泛应用于工厂、商场、住宅小区、办公大楼、矿井等配电系统，以及桥梁、隧道、公路、机场的照明系统。

The product is mainly suitable for power supply trunk lines of middle and high-rise buildings with rated voltage of 0.6/1 kV and below. It can be widely used in power distribution systems such as factories, shopping malls, residential districts, office buildings and mines, as well as lighting systems of bridges, tunnels, highways and airports.



**橡套电缆** Rubber sheathed cable

MY、MYQ、MYP、MYPT、MYPTJ、MYDP、MYDPT、UGEFP、MVFP、MZ、MZP、MCP、MCPT、MCPTJ、YQ、YZ、YZW、YC、YCW、YH、JHS、SBH等各种电压等级、型号的橡套电缆产品

Rubber Sheath Cable Products of Various Voltage Grades and Types, such as MY, MYQ, MYP, MYPTJ, MYDP, MYDPT, UGEFP, MVFP, MZ, MZP, MCP, MCPTJ, YQ, YZ, YZW, YC, YCW, YH, JHS, SBH, etc.



**柔性矿物复合绝缘防火电缆**

Flexible Mineral Composite Insulated Fire-proof Cable

BTLY、BTWGT、YTTW、BBTRZ

**架空电力电缆** Overhead power cable

YKYJ、JKLYJ、JKLY、JKLYJ/Q、JKLGYJ、JL/G1A、JL/G2A、JL/G2B、JL/G3A、35KV、10KV、1KV1芯-5芯 10-300mm<sup>2</sup>

YKYJ, JKLYJ, JKLY, JKLYJ/Q, JKLGYJ, JL/G1A, JL/G2A, JL/G2B, JL/G3A, 35KV, 10KV, 1KV1-5 core 10-300mm<sup>2</sup>



**控制电缆** Control cable

KVV<sub>22</sub>、KVV、KVVR、KVVP、KVVP<sub>22</sub>、KVVP<sub>2-22</sub>、KYJV、KYJVP、KYJY、KYJVP<sub>2</sub>、KYJVP<sub>3</sub>  
3芯-52芯0.75-10mm<sup>2</sup>450/750V等系列电缆产品（包括阻燃耐火型电缆）

KVV<sub>22</sub>, KVV, KVVR, KVVP, KVVP<sub>22</sub>, KVVP<sub>2-22</sub>, KYJV, KYJVP, KYJY, KYJVP<sub>2</sub>, KYJVP<sub>3</sub>, 3-52core 0.75-10mm<sup>2</sup> 450/750V series cable products (including flame-retardant and fire-resistant cables)



**布电缆** Cloth cable

BV、BVR、BLV、BVY、BVVB、RVVB、BLX、BX、RVB、VV、RVVP全系列电缆产品

BV, BVR, BLV, BVY, BVVB, RVVB, BLX, BX, RVB, VV and RVVP cable products



**护套电缆** Sheathed cable

铜芯护套线BVV、BVVB、RVV、RVVB铝芯护套线BLVV、BLVVB等

Copper core sheath BVV, BVVB, RVV, RVVB aluminium core sheath BLVV, BLVVB, etc.





**部分产品展示**  
PRODUCT DISPLAY



**部分销售业绩**  
SALES PERFORMANCE REPORT

盐城发电厂  
Saline Power Plant  
天津陈塘热电厂有限公司  
Tianjin Chentang Thermal Power Co., Ltd.  
青海电力建设管理公司  
Qinghai Electric Power Construction Management Company  
山西临汾供电分公司  
Shanxi Linfen Power Supply Branch  
山东电建二公司  
Shandong Electric Power Construction Company II  
内蒙古五九煤矿集团公司  
Inner Mongolia Wujiu Coal Mine Group Co.  
同煤集团大同地煤青磁窑煤矿  
Qingciyao Coal Mine, Datongdi Coal Mine, Tongmei Coal Group  
阜新新地三矿有限公司  
Fuxin Xindi No.3 Mining Co., Ltd.  
双鸭山矿业集团有限公司  
Shuangyashan Mining Group Co., Ltd.  
四川川南煤业有限公司  
Sichuan South Sichuan Coal Industry Co., Ltd.  
山西长治潞安煤矿  
Luanzhuo Mine, Changye, Shanxi Province  
大庆石油管理局  
Daqing Petroleum Administration  
河北省电力公司  
Hebei Electric Power Company  
山东电力建设第三工程公司  
Shandong Electric Power Construction Third Engineering Company  
宝日希勒煤业有限公司  
Baori Shiller Coal Industry Co., Ltd.  
海城市海顺达标准件有限公司  
Haicheng Haishun Da Standard Parts Co., Ltd.  
杀陵县龙下灌区管理局  
Longxia Irrigation District Administration Bureau of Sheling County  
二滩水电站  
Ertan Hydropower Station  
华能国际电力股份长兴电厂  
Huaneng International Power Co., Ltd. Changxing Power Plant  
盐城苏盛源电力物资有限公司  
Yancheng Sushengyuan Electric Power Material Co., Ltd.  
格瑞德集团有限公司  
Gerede group co., ltd.  
北京科力电力公司  
Beijing Keli Electric Power Company  
石家庄广源安装工程有限公司  
Shijiazhuang Guangyuan Installation Engineering Co., Ltd.  
石家庄开发区新导配电自动化公司  
Shijiazhuang Development Zone Xindao Distribution Automation Company  
秦皇岛市老柳江矿业有限公司  
Qinhuangdao Laoliujiang Mining Co., Ltd.  
枣庄联创实业有限公司  
Zaozhuang Lianchuang Industrial Co., Ltd.  
长沙固力发电电气有限公司  
Changsha Guli Power Generation Gas Co., Ltd.  
平山县电力实业开发总公司  
Pingshan Electric Power Industrial Development Corporation  
中铁中所化公司二分公司  
Second Branch of China Railway Sinochem Corporation  
山东方正工程有限公司  
Shandong Founder Engineering Co., Ltd.  
高平市腾飞煤矿  
Gaoping Tengfei Coal Mine  
阜新矿业(集团)  
Fuxin Mining Group  
昆明建设大楼  
Kunming Construction Building  
北京丰台体育场  
Beijing Fengtai Stadium  
衡阳市东方电气有限公司  
Hengyang Dongfang Electrical Co., Ltd.  
包头市固阳矿业有限公司  
Baotou Guyang Mining Co., Ltd.  
邵阳市工矿物资总公司  
Shaoyang Industrial and Mineral Wages Corporation

内蒙古大宝矿业有限公司  
Inner Mongolia Dabao Mining Co., Ltd.  
湖南鑫锰业科技有限公司  
Hunan Xinmanganese Technology Co., Ltd.  
鞍钢集团矿业公司  
Anshan Iron and Steel Group Mining Company  
甘肃华强电股份有限公司  
Gansu Huaqiang Dry Electricity Co., Ltd.  
天地锡林郭勒煤业有限公司  
Tiandi Xilinguole Coal Industry Co., Ltd.  
伊金霍洛旗万盛长青煤炭有限公司  
Yijinholuo Banner Wansheng Changqing Coal Co., Ltd.  
山西飞龙煤业有限公司  
Shanxi Feilong Drying Industry Co., Ltd.  
大同煤矿集团铁峰煤业有限公司  
Datong Coal Mine Group Tiefeng Drying Industry Co., Ltd.  
山西高平煤业有限公司  
Shanxi Gaoping Drying Industry Co., Ltd.  
杭州优盛轻工机械有限公司  
Hangzhou Yousheng Light Industry Machinery Co., Ltd.  
上海奥得加机电设备有限公司  
Shanghai Odega Mechanical and Electrical Equipment Co., Ltd.  
中国华北电力集团公司  
China North China Electric Power Group Corporation  
安徽经济开发区有限公司  
Anhui Economic Development Zone Co., Ltd.  
上海电力风阳供电有限公司  
Shanghai Fengyang Power Supply Co., Ltd.  
哈尔滨电业局  
Harbin Electricity Bureau  
新疆巴帅电力有限公司  
Xinjiang Bashuai Electric Power Co., Ltd.  
北京海淀区供电局  
Beijing Haidian District Power Supply Bureau  
郑州供电局  
Zhengzhou Power Supply Bureau  
秦皇岛市电力局  
Qinhuangdao Electric Power Bureau  
武汉电业局  
Wuhan Electricity Bureau  
湖南电力建设工程有限公司  
Hunan Electric Power Construction Engineering Co., Ltd.  
桂林供电局  
Guilin Power Supply Bureau  
黄山电力工程公司  
Huangshan Electric Power Engineering Company  
余杭电力物资有限公司  
Yuhang Electric Power Material Co., Ltd.  
新疆克拉玛依电力公司  
Xinjiang Karamay Electric Power Company  
天津市安正电力物资有限公司  
Tianjin Anzheng Electric Power Material Co., Ltd.  
永安电力物资有限公司  
Yongan Electric Power Material Co., Ltd.  
张家港化兴电力有限公司  
Zhangjiagang Huaxing Electric Power Co., Ltd.  
济南民泰安煤矿有限公司  
Jinan Mintaian Coal Mine Co., Ltd.  
温州建业建设有限公司  
Wenzhou Construction Co., Ltd.  
新疆电力公司喀什电业局  
Xinjiang Electric Power Company Kashi Electric Power Bureau  
中电投东北电力公司  
CITIC Northeast Electric Power Company  
湘潭县谭家山镇巷屋煤矿  
Laneway House Coal Mine, Tanjiashan Town, Xiangtan County  
无锡供电局  
Wuxi Power Supply Bureau  
丹东九江机电化工有限公司  
Dandong Jiujiang Mechatrochemical Co., Ltd.  
阳泉市南庄煤炭集团有限公司  
Yangquan Nanzhuang Coal Group Co., Ltd.



# 销售网络<<< SALES NETWORK



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全国质量诚信承诺示范企业

提升企业  
竞争力  
团结一致  
争做第一  
ENTERPRISE COMPETITIVENESS



# 荣誉证书

CERTIFICATE OF HONOR





**营业执照 (副本)**

统一社会信用代码: 91130425319821329Q

名称: 珠峰电缆大名有限公司

类型: 有限责任公司(自然人投资或控股)

法定代表人: 闫海洋

注册资本: 壹仟伍佰万元整

成立日期: 2014年10月10日

营业期限: 2014年10月10日至 2034年10月09日

住所: 河北省邯郸市大名县经济开发区内北侧 (215省道路东); 经济开发区内中街北侧 路东

经营范围: 电线电缆、高压电缆、成套设备、光纤、光缆及配件生产销售; 电缆附件、电缆原材料、电工器材、电线电缆加工; 钢材、铜、铝有色金属、化工产品(不含危险化学品)的销售; 非标器材、PVC管件、五金、水暖器材的加工与销售(限分支机构应用服务、进出口业务、塑料颗粒的加工与销售(限分支机构经营))。(依法须经批准的项目,经相关部门批准后方可开展经营活动)

登记机关: 大名县行政审批局

日期: 2024年10月09日

国家企业信用信息公示系统网址: <http://www.gsxt.gov.cn>

市场监管总局监制

**全国工业产品生产许可证**

珠峰电缆大名有限公司

经审查,你单位生产的下列产品符合取得生产许可证条件,特发此证。

产品名称: 电线电缆 (明细见副本)

住所: 河北省邯郸市大名县经济开发区内北侧 (215省道东); 经济开发区内中街北段路东

生产地址: 河北省邯郸市大名县经济开发区内北侧 (215省道路东) 中街北段路东

证书编号: (冀)XK06-001-01018

有效期至: 2028年02月10日

有效期届满6个月前,企业应当提出换证申请。

登记机关: 大名县行政审批局

日期: 2024年10月29日

国家企业信用信息公示系统网址: <http://www.gsxt.gov.cn>



共 1 页 第 1 页

企业名称	珠峰电缆大名有限公司	产品名称	电线电缆
证书编号	(冀)XK06-001-01018	有效期	2028-02-10
发证日期	2024-01-29		


1. 架空绞线  
圆线, 截面积 $\leq 630\text{mm}^2$

2. 塑料绝缘控制电缆  
芯数 $\leq 37$ 芯, 交联, 阻燃, 无卤低烟

3. 挤包绝缘低压电力电缆  
电压 $\leq 3\text{kV}$ , 截面积 $\leq 630\text{mm}^2$ , 铜、铝、铝合金导体, 交联, 阻燃, 无卤低烟

4. 挤包绝缘中压电力电缆  
电压 $\leq 35\text{kV}$ , 截面积 $\leq 630\text{mm}^2$ , 铜、铝、铝合金导体, 交联, 阻燃, 无卤低烟, 1条干法交联生产线

5. 架空绝缘电缆  
电压 $\leq 10\text{kV}$ , 截面积 $\leq 400\text{mm}^2$



请使用“电子证照宝”小程序扫码查询详情。

# 高新技术企业证书

证书编号: GR202313000629

企业名称: 珠峰电缆大名有限公司

有效期: 三年

发证时间: 2023年10月16日

批准机关:







## 中国国家强制性产品认证证书

证书编号: 2024010105611012

### 认证委托人名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东

### 生产者名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东

### 生产企业名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东

### 产品名称和系列、型号、规格

聚氯乙烯绝缘软电缆电线  
60227 IEC 52(RVV) 300/300V 0.5-0.75(2-3芯); 60227 IEC 53(RVV) 300/500V 0.75-2.5(2-5芯); RVV 300/500V 1.5-6(2芯), 4-6(3-5芯), 0.75-2.5(6芯); RVS 300/300V 0.5-6;

### 产品标准和技术要求

GB/T 5023.5-2008/IEC60227-5:2003; JB/T8734.3-2016

上述产品符合《强制性产品认证实施规则 电线电缆产品》(CNCA-C01-01:2014)的要求, 特发此证。

发证日期: 2024年03月05日 有效期至: 2029年03月04日

证书信息和有效性可扫描下方二维码或登录发证机构网站查验, 也可在认监委网站([www.cnca.gov.cn](http://www.cnca.gov.cn))查询。

经中国合格评定国家认可委员会认可 CNAS C001-P



签发: 谢肇煦  
CQC 中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



中国质量认证中心有限公司

<http://www.cqc.com.cn>

北京市丰台区南四环西路188号九区5号楼 100070

电话: +86 10 83886666



## 中国国家强制性产品认证证书

证书编号: 2024010105611014

### 认证委托人名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东

### 生产者名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东

### 生产企业名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东

### 产品名称和系列、型号、规格

聚氯乙烯绝缘屏蔽电线  
RVVP 300/300V 0.3-2.5(1-7芯), 0.3-1.5(8-9芯), 0.3-1.0(10芯), 0.3-0.75(12芯), 0.3-0.5(16芯), 0.3-0.4(19-24芯);

### 产品标准和技术要求

JB/T8734.5-2016

上述产品符合《强制性产品认证实施规则 电线电缆产品》(CNCA-C01-01:2014)的要求, 特发此证。

发证日期: 2024年03月05日 有效期至: 2029年03月04日

证书信息和有效性可扫描下方二维码或登录发证机构网站查验, 也可在认监委网站([www.cnca.gov.cn](http://www.cnca.gov.cn))查询。

经中国合格评定国家认可委员会认可 CNAS C001-P



签发: 谢肇煦  
CQC 中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



中国质量认证中心有限公司

<http://www.cqc.com.cn>

北京市丰台区南四环西路188号九区5号楼 100070

电话: +86 10 83886666





### 中国国家强制性产品认证证书

证书编号: 2024010105611016

认证委托人名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东

生产者名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东

生产企业名称及地址

珠峰电缆大名有限公司  
河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东

产品名称和系列、型号、规格

聚氯乙烯绝缘无护套电缆电线  
60227 IEC 01 (BV) 450/750V 1.5-35; BVR 450/750V 2.5-35;

产品标准和技术要求

GB/T 5023.3-2008/IEC60227-3:1997; JB/T8734.2-2016

上述产品符合《强制性产品认证实施规则 电线电缆产品》(CNCA-C01-01:2014)的要求,特发此证。

发证日期: 2024年03月05日 有效期至: 2029年03月04日

证书信息和有效性可扫描下方二维码或登录发证机构网站查验,也可在认监委网站([www.cnca.gov.cn](http://www.cnca.gov.cn))查询。

经中国合格评定国家认可委员会认可 CNAS C001-P



签发: 谢肇煦  
CQC 中国质量认证中心  
CHINA QUALITY CERTIFICATION CENTRE



中国质量认证中心有限公司

<http://www.cqc.com.cn>

北京市丰台区南四环西路188号九区5号楼 100070

电话: +86 10 83885666



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### 质量管理体系认证证书

注册号: 12824Q20838R2M

兹证明

珠峰电缆大名有限公司

统一社会信用代码: 91130425319821329Q  
河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东

质量管理体系符合

GB/T19001-2016/ISO9001:2015

该体系认证所覆盖的范围

电线电缆的生产(资质许可范围内)

初次获证日期: 2018年06月22日

签发日期: 2024年06月21日

有效日期: 2027年06月19日

证书有效期内,获证组织必须定期接受监督审核并经审核合格后换发证书

本证书年度使用截止日期至2025年06月17日

本证书信息可在国家认证认可监督管理委员会官方网站: [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询



中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C128-M

中標研國聯(北京)认证中心

北京市西城区月坛北小街4号院21号  
010-68017408









安全标志编号: MIA230600



## 矿用产品安全标志证书

持证人: 珠峰电缆大名有限公司  
注册地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
生产单位: 珠峰电缆大名有限公司  
生产地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
产品名称: 煤矿用交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆  
规格型号: MYJV22-8.7/10 (25~300) mm<sup>2</sup>  
产品标准及技术条件: MT/T 818.13-2009  
适用范围: 严格按煤矿安全有关规定使用。  
发证日期: 2023年04月27日 有效期至: 2028年04月26日  
备注:

上述产品经履行安全标志审核发放实施规则ABGZ-MA-IAA-2017-01规定的合格评定程序,符合有关要求,特发此证。本证书的有效性需通过持证后监督获得保持,相关信息及主要零部件等信息可通过网络查询可登陆www.aqbz.org或扫描本证书二维码查询。



签发人: 王利峰 发证部门:



安全标志编号: MIA230601



## 矿用产品安全标志证书

持证人: 珠峰电缆大名有限公司  
注册地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
生产单位: 珠峰电缆大名有限公司  
生产地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
产品名称: 煤矿用交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆  
规格型号: MYJV-8.7/10 (25~300) mm<sup>2</sup>  
产品标准及技术条件: MT/T 818.13-2009  
适用范围: 严格按煤矿安全有关规定使用。  
发证日期: 2023年04月27日 有效期至: 2028年04月26日  
备注:

上述产品经履行安全标志审核发放实施规则ABGZ-MA-IAA-2017-01规定的合格评定程序,符合有关要求,特发此证。本证书的有效性需通过持证后监督获得保持,相关信息及主要零部件等信息可通过网络查询可登陆www.aqbz.org或扫描本证书二维码查询。



签发人: 王利峰 发证部门:







安全标志编号: MIA230602



## 矿用产品安全标志证书

持证人: 珠峰电缆大名有限公司  
注册地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
生产单位: 珠峰电缆大名有限公司  
生产地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
产品名称: 煤矿用交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆  
规格型号: MYJV22-0.6/1 (2.5~300) mm<sup>2</sup>  
产品标准及技术条件: MT/T 818.13-2009  
适用范围: 严格按煤矿安全有关规定使用。  
发证日期: 2023年04月27日 有效期至: 2028年04月25日  
备注:

上述产品经履行安全标志审核发放实施规则ABGZ-MA-IAA-2017-01规定的合格评定程序,符合有关要求,特发此证。本证书的有效性需通过持证后监督获得保持,相关信息及主要零部件等信息可通过网络查询可登陆www.aqbz.org或扫描本证书二维码查询。



签发人: 王利峰 发证部门:



安全标志编号: MIA230603



## 矿用产品安全标志证书

持证人: 珠峰电缆大名有限公司  
注册地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
生产单位: 珠峰电缆大名有限公司  
生产地址: 河北省邯郸市大名县经济开发区内北侧(215省道路东)  
产品名称: 煤矿用交联聚乙烯绝缘聚氯乙烯护套电力电缆  
规格型号: MYJV-0.6/1 (1.5~300) mm<sup>2</sup>  
产品标准及技术条件: MT/T 818.13-2009  
适用范围: 严格按煤矿安全有关规定使用。  
发证日期: 2023年04月27日 有效期至: 2028年04月26日  
备注:

上述产品经履行安全标志审核发放实施规则ABGZ-MA-IAA-2017-01规定的合格评定程序,符合有关要求,特发此证。本证书的有效性需通过持证后监督获得保持,相关信息及主要零部件等信息可通过网络查询可登陆www.aqbz.org或扫描本证书二维码查询。



签发人: 王利峰 发证部门:







# CERTIFICATE

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directives has been taken as references for these processes.

Company Name : **Zhufeng Cable Daming Co., Ltd.**

Company Address : North of Economic Development Zone, Daming County, Handan City, Hebei Province (East of Provincial Road 215); East of North Section of Yuanzhong Street, Economic Development Zone, China

Related Directives and Annex : **2014/30/EU Electromagnetic Compatibility Directive**

Related Standards : **EN 61000-6-3:2007+A1:2011; EN IEC 61000-6-1:2019  
EN IEC 61000-3-2:2019+A1:2021  
EN 61000-3-3:2013+A1:2019 +A2:2021**

Product Name : **PV cable**

Report No and Date : **B-E2212A4410**

Product Brand/Model/Type : **IEC131**

Certificate Number : **M.2022.206.C80623**

Initial Assessment Date : **20.12.2022**

Registration Date : **21.12.2022**

Reissue Date/No : **-**

Expiry Date : **20.12.2027**

  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.



The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be notified in case of any changes on the product(s).

Address: Murtlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY  
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76  
E-mail: [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)



# CERTIFICATE

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directives has been taken as references for these processes.

Company Name : **Zhufeng Cable Daming Co., Ltd.**

Company Address : North of Economic Development Zone, Daming County, Handan City, Hebei Province (East of Provincial Road 215); East of North Section of Yuanzhong Street, Economic Development Zone, China

Related Directives and Annex : **2014/30/EU Electromagnetic Compatibility Directive**

Related Standards : **EN 61000-6-3:2007+A1:2011; EN IEC 61000-6-1:2019  
EN IEC 61000-3-2:2019+A1:2021  
EN 61000-3-3:2013+A1:2019 +A2:2021**

Product Name : **PV cable**

Report No and Date : **B-E2212A4409**

Product Brand/Model/Type : **H17272-K**

Certificate Number : **M.2022.206.C80622**

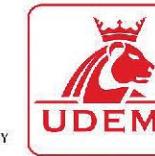
Initial Assessment Date : **20.12.2022**

Registration Date : **21.12.2022**

Reissue Date/No : **-**

Expiry Date : **20.12.2027**

  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.



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Address: Murtlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY  
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76  
E-mail: [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)





# CERTIFICATE

## ATESTATION

### CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

Technical file of the company mentioned below has been inspected and audit has been completed successfully.  
2014/30/EU Electromagnetic Compatibility Directives has been taken as referances for these processes.

**Company Name :** Zhufeng Cable Daming Co., Ltd.

**Company Address :** North of Economic Development Zone, Daming County, Handan City, Hebei Province (East of Provincial Road 215); East of North Section of Yuanzhong Street, Economic Development Zone, China

**Related Directives and Annex :** 2014/30/EU Electromagnetic Compatibility Directive

**Related Standards :** EN 61000-6-3:2007+A1:2011; EN IEC 61000-6-1:2019  
EN IEC 61000-3-2:2019+A1:2021  
EN 61000-3-3:2013+A1:2019 +A2:2021

**Product Name :** PV cable

**Report No and Date :** B-E2212A4408

**Product Brand/Model/Type :** PV1-F

**Certificate Number :** M.2022.206.C80624  
**Initial Assessment Date :** 20.12.2022  
**Registration Date :** 21.12.2022  
**Reissue Date/No :** -  
**Expiry Date :** 20.12.2027

  
 UDEM International Certification  
 Auditing Training Centre Industry  
 and Trade Inc. Co.



The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s).

**Address:** Mithakent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY  
**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76  
**E-mail:** [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)



# Annex I

form: DAI\_04A05, version: 00, effective since: March 20th, 2020  
No. 0P220718.ZCIDIJ9Z  
Test Report / Technical Construction File no. WACT067 24VD

**Model(s):**  
NG-A, BTRZ, BTRZ, YJV, YJV22, YJLV, YJLV22, JKLY, JKLYJ, JKLYG, JKLYGJ, LGJ, YZ, YC, YH, BV, BVV, BLVVB, BV, BVV, BVJ, BVK, BVV, BVV, BVVB, RVVB, RVP, KVP, KVP22, KVP22, KVR, KVRP, KVRP2, RVSP, DJVPVP, DJVPVP22, DJVPVP2, DJVPVP, DJVP, DJVP2VP2-22, CAT5, CAT5E, CAT6, CAT6E, SYV, SYWV



# Certificate of Compliance

form: DAI\_04A05, version: 00, effective since: March 20th, 2020  
No. 0P220718.ZCIDIJ9Z  
Test Report / Technical Construction File no. WACT067 24VD

**Certificate's Holder:** ZHUFENG CABLE DAMING CO., LTD.  
North of Economic Development Zone, Daming County, Handan City, Hebei Province (East of Provincial Road 215); East of North Section of Yuanzhong Street, Economic Development Zone

**Certification ECM Mark:**  Type Approved

**Product:** Wire And Cable  
**Trade Mark:** 

**Model(s):** (see the following annex)

**Verification to:** Standard: EN 50525-1:2011  
related to CE Directive(s): 2014/35/EU (Low Voltage)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that this technical documentation received from the manufacturer's laboratory for the requirements of the EMC Certification Mark, the conformity mark above can be affixed on the products according to the EMC regulation about its release and its use.  
Additional information and clarification about the Marking:  
The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation. The manufacturer must ensure that the CE Marking is affixed to the products. For more information, please contact: [info@udem.com.tr](mailto:info@udem.com.tr)

**CE**

**Issuance date:** 13 July 2022  
**Expiry date:** 12 July 2027

  
 Approver  
 ECV Service Director  
 Luca Sestini

  
 Approver  
 ECV Service Director  
 Luca Sestini



Ente Certificazione Macchine Srl  
Via Ca' Bello, 249 - Loc. Casella di Serravalle - 40053 Volcomaggiola (BO) - ITALY  
☎ +39 051 6705 41 ☎ +39 051 6705 156 ✉ [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)



# Certificate of Compliance

form: DAI\_04A05, version: 00, effective since: March 20th, 2020  
No. 0P220718.ZCIDIJ9Z  
Test Report / Technical Construction File no. WACT067 24VD

**Certificate's Holder:** ZHUFENG CABLE DAMING CO., LTD.  
North of Economic Development Zone, Daming County, Handan City, Hebei Province (East of Provincial Road 215); East of North Section of Yuanzhong Street, Economic Development Zone

**Certification ECM Mark:**  Type Approved

**Product:** Wire And Cable  
**Trade Mark:** 

**Model(s):** (see the following annex)

**Verification to:** Standard: EN 50525-1:2011  
related to CE Directive(s): 2014/35/EU (Low Voltage)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that this technical documentation received from the manufacturer's laboratory for the requirements of the EMC Certification Mark, the conformity mark above can be affixed on the products according to the EMC regulation about its release and its use.  
Additional information and clarification about the Marking:  
The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation. The manufacturer must ensure that the CE Marking is affixed to the products. For more information, please contact: [info@udem.com.tr](mailto:info@udem.com.tr)

**CE**

**Issuance date:** 13 July 2022  
**Expiry date:** 12 July 2027

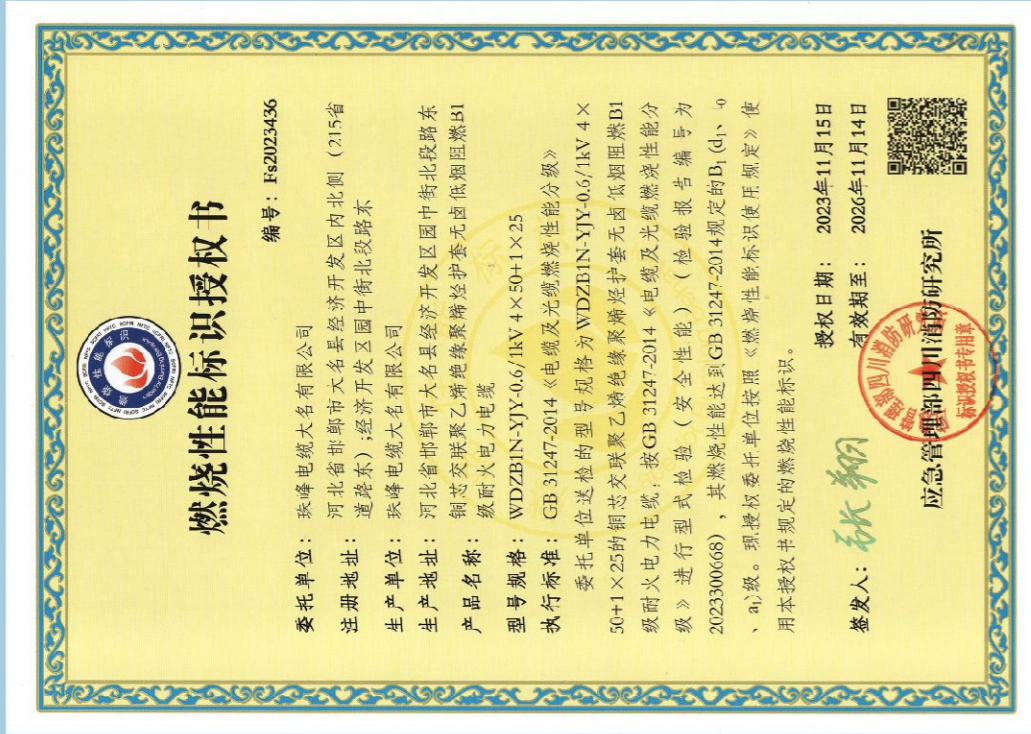
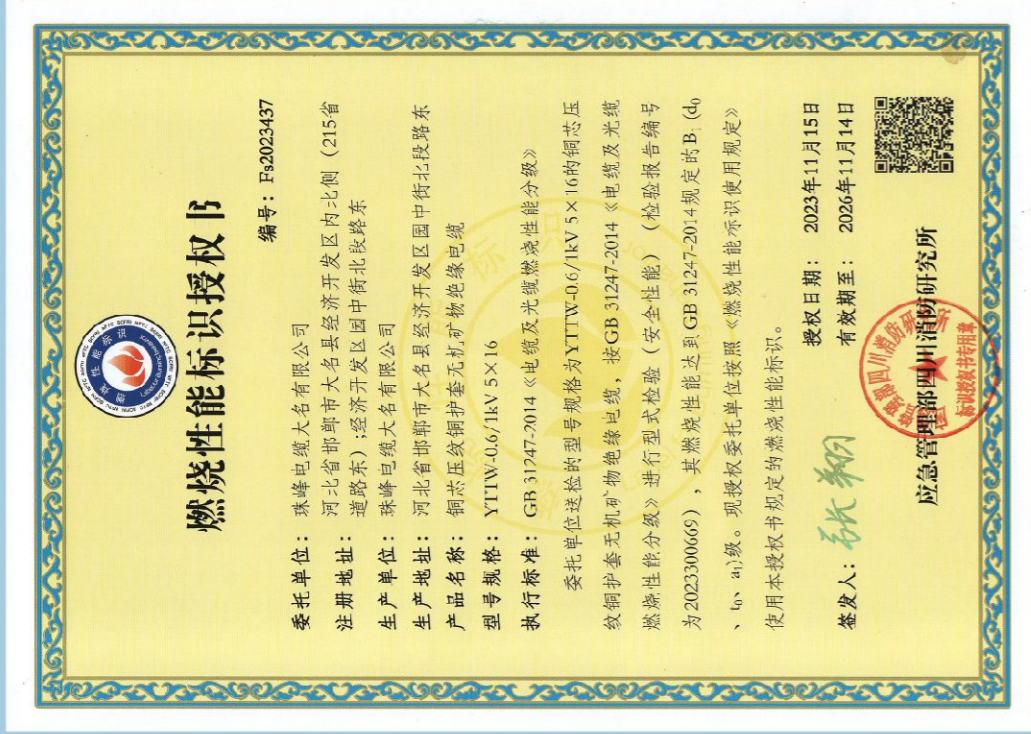
  
 Approver  
 ECV Service Director  
 Luca Sestini

  
 Approver  
 ECV Service Director  
 Luca Sestini

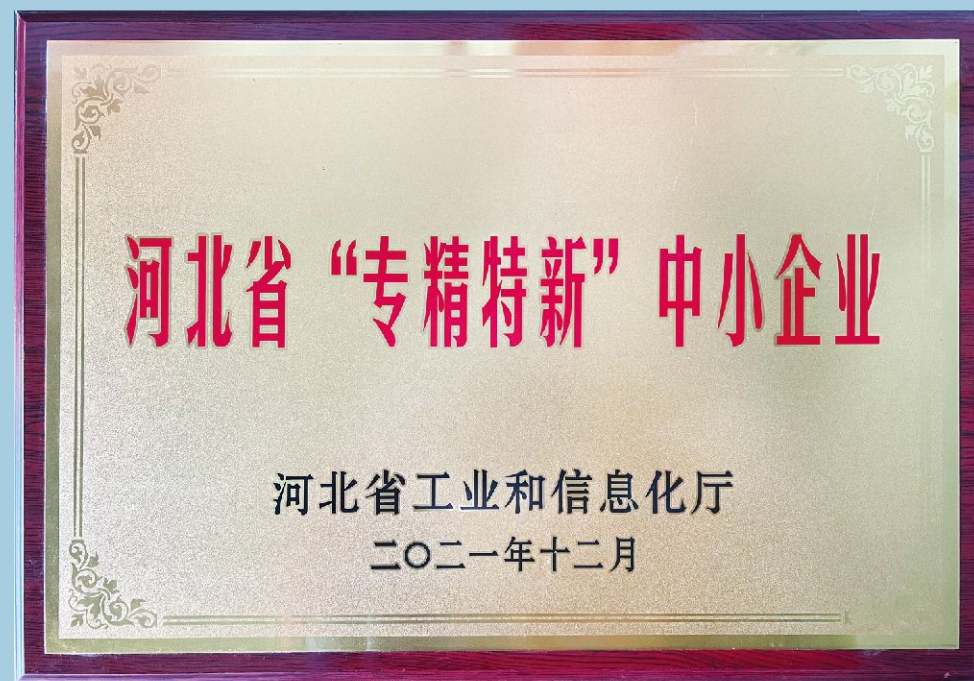


Ente Certificazione Macchine Srl  
Via Ca' Bello, 249 - Loc. Casella di Serravalle - 40053 Volcomaggiola (BO) - ITALY  
☎ +39 051 6705 41 ☎ +39 051 6705 156 ✉ [info@udem.com.tr](mailto:info@udem.com.tr) [www.udem.com.tr](http://www.udem.com.tr)

















中国认可  
国际互认  
检测  
TESTING  
CNAS L13246



# 检验报告

INSPECTION REPORT

NO: XC2023第121160号



样品名称 铝合金芯交联聚乙烯绝缘铜丝屏蔽非磁性金属带铝装  
聚烯烃护套无卤低烟阻燃A类电力电缆

委托单位 珠峰电缆大名有限公司

检验类别 型式试验

陕西协成测试技术有限公司

SHAANXI XIECHENG TESTING TECHNOLOGY CO.,LTD

## 陕西协成测试技术有限公司

### 检验报告

NO: XC2023第121160号

共12页 第1页

样品名称	铝合金芯交联聚乙烯绝缘铜丝屏蔽非磁性金属带铝装聚烯烃护套无卤低烟阻燃A类电力电缆	规格型号	WDZA-YJLHSY63-26/35 1×630/50
委托单位	珠峰电缆大名有限公司	委托单位地址	河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东
生产单位	珠峰电缆大名有限公司	生产单位地址	河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东
商标	—	样品等级	合格品
送样人	闫常洋	样品数量	98米
生产日期	2023.12.08	到样日期	2023.12.26
原编号/批号	—	检验日期	2023.12.27~2024.04.24
样品状态描述	样品状态完好,符合检验要求	检验项目	全项
检验类别	型式试验	检验地址	西安市高新区丈八六路49号
检验依据	GB/T 31840.3-2015《额定电压1kV(U <sub>m</sub> =1.2kV)到35kV(U <sub>m</sub> =40.5kV)铝合金芯挤包绝缘电力电缆 第3部分:额定电压35kV(U <sub>m</sub> =40.5kV)电缆》 GB/T 31840.1-2015《额定电压1kV(U <sub>m</sub> =1.2kV)到35kV(U <sub>m</sub> =40.5kV)铝合金芯挤包绝缘电力电缆 第1部分:额定电压1kV(U <sub>m</sub> =1.2kV)和3kV(U <sub>m</sub> =3.6kV)电缆》 GB/T 19666-2019《阻燃和耐火电线电缆或光缆通则》		
检验结论	该样品按GB/T 31840.3-2015、GB/T 31840.1-2015和GB/T 19666-2019标准检验合格。  签发日期: 2024年04月25日		
备注	委托方要求护套性能参照GB/T 31840.1-2015进行判定。 带“*”为分包项目; 铝合金导体化学成分分包机构名称:斯坦德检测集团股份有限公司,资质认定编号:CMA231521341859;短路试验分包机构名称:西安高压电器研究院股份有限公司,资质认定编号:CMA180008223616。		

批准: 张弛 审核: 张雷 主检: 曹宇雷





230020349224



中国认可  
国际互认  
检测  
TESTING  
CNAS L1453

报告编号: GL202304450



# 检验检测报告

产品名称: 铜芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套阻燃A类电力电缆

规格型号: ZA-YJV22-8.7/15 3×400

委托单位: 珠峰电缆大名有限公司

检验类别: 型式试验

河北省产品质量监督检验研究院  
国家特种电缆产品质量检验检测中心(河北)



验证码: 55EYX3

河北省产品质量监督检验研究院  
国家特种电缆产品质量检验检测中心(河北)

## 检验检测报告

№: GL202304450

共 7 页 第 1 页

样品名称	铜芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套阻燃A类电力电缆	规格型号	ZA-YJV22-8.7/15 3×400
		商标	/
委托单位	珠峰电缆大名有限公司	样品等级	/
委托单位地址	河北省邯郸市大名县经济开发区内北侧(215省道路东); 经济开发区园中街北段路东	送样人	许西元
受检单位	珠峰电缆大名有限公司	检验类别	型式试验
生产单位	珠峰电缆大名有限公司	样品数量	37 m
样品描述	外观正常, 包装完整	生产日期/批号	/ /
检验日期	2023-11-01 至 2023-11-23	到样日期	2023-11-01
检验地点	河北省邢台市宁晋县新兴路103号		
检验依据	GB/T 12706.2-2020《额定电压1kV(Um=1.2kV)到35kV(Um=40.5kV)挤包绝缘电力电缆及附件 第2部分: 额定电压6kV(Um=7.2kV)到30kV(Um=36kV)电缆》、GB/T 11017.1-2014《额定电压110kV(Um=126kV)交联聚乙烯绝缘电力电缆及附件 第1部分: 试验方法和要求》		
判定依据	《国家电网公司总部配网设备分级分类(优质设备)固化技术规范书 10kV电力电缆(5216-500030091-00002)》、GB/T 12706.2-2020《额定电压1kV(Um=1.2kV)到35kV(Um=40.5kV)挤包绝缘电力电缆及附件 第2部分: 额定电压6kV(Um=7.2kV)到30kV(Um=36kV)电缆》		
检验项目	全部项目		
检验结论	经检验, 该样品符合《国家电网公司总部配网设备分级分类(优质设备)固化技术规范书 10kV电力电缆(5216-500030091-00002)》、GB/T 12706.2-2020《额定电压1kV(Um=1.2kV)到35kV(Um=40.5kV)挤包绝缘电力电缆及附件 第2部分: 额定电压6kV(Um=7.2kV)到30kV(Um=36kV)电缆》规定的要求。  (检验检测专用章) 签发日期: 2023-11-24		
备注	带(*)标记处为委托方提供的国家电网公司技术规范与国家标准要求的不同项目或要求, 按《国家电网公司总部配网设备分级分类(优质设备)固化技术规范书 10kV电力电缆(5216-500030091-00002)》进行判定, 其他项目按GB/T 12706.2-2020进行判定; 委托方申明微孔杂质按照GB/T 11017.1-2014中附录H进行检验。		

编制: 高华婧

审核: 武朝飞

批准: 胡莹仙





# 检验报告

## TEST REPORT

产品名称  
Product Description 铜芯交联聚乙烯绝缘钢带铠装聚烯烃护套无卤低烟阻燃A类电力电缆

规格型号  
Model/Specification WDZA-YJY23-0.6/1 3×300+1×150

委托单位  
Client 珠峰电缆大名有限公司

检验类别  
Test Type 型式试验

**QTC** 青岛市产品质量检验研究院  
Qingdao Product Quality Testing Research Institute  
国家电子电器安全质量检验检测中心  
National Electronics and Electric Appliance Safety Quality Inspection and Testing Center

### 青岛市产品质量检验研究院 国家电子电器安全质量检验检测中心 检验报告 Test Report

No. 202321000123

共 7 页 第 1 页

产品名称 * Product Description	铜芯交联聚乙烯绝缘钢带铠装聚烯烃护套无卤低烟阻燃A类电力电缆	商标 * Trade Mark	/
规格型号 * Model/Specification	WDZA-YJY23-0.6/1 3×300+1×150	样品等级 * Sample Grade	合格品
生产单位/地址 * Manufacturer/Addr.	珠峰电缆大名有限公司/河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东	联系电话 * Telephone	15128013567
委托单位/地址 * Client/Addr.	珠峰电缆大名有限公司/河北省邯郸市大名县经济开发区内北侧(215省道路东);经济开发区园中街北段路东	联系电话 * Telephone	15128013567
检验类别 Test Type	型式试验	送样日期 Sample Delivered Date	2023-01-12
样品数量 Sample Quantity	40米	生产日期/批号 * Production Date	/
样品状态 Sample Condition	完好无损,绝缘材料颜色均为乳白色,分别用红、黄、绿、蓝色条标记,护套材料颜色为黑色,导体材料为铜导体。	送样者 * Sample Delivered by	闫常洋
检验日期 Test Date	2023-01-13~2023-02-17	样品编号 Sample No.	20232100123
检验项目 Test Items	全项		
检验依据 Reference Documents for the Test	GB/T 12706.1-2020		
检验结论 Test Conclusion	该样品本次检验,符合GB/T 12706.1-2020标准。  (检验检测专用章) (Special Stamp of Test Report) 签发日期: 2023-01-13 检验检测专用章 Issue Date		
备注 Notes	带*信息由委托方提供。 本报告结果仅对来样负责。		
批准: Approved By	赵利群	审核: Verified By	闫同利
		主检: Tested By	李校伟





中国认可  
国际互认  
检测  
TESTING  
CNAS L1453

报告编号: GL202304126



# 检验检测报告

产品名称: 交联聚乙烯绝缘聚烯烃护套铜带屏蔽无卤低烟阻燃A类耐火控制电缆  
规格型号: WDZAN-KYJYP2-450/750 24×1.5  
委托单位: 珠峰电缆大名有限公司  
检验类别: 型式试验

河北省产品质量监督检验研究院  
国家特种电缆产品质量检验检测中心(河北)





验证码: 179KM1

河北省产品质量监督检验研究院  
国家特种电缆产品质量检验检测中心(河北)

## 检验检测报告

№:GL202304126

共 5 页 第 1 页

样品名称	交联聚乙烯绝缘聚烯烃护套铜带屏蔽无卤低烟阻燃A类耐火控制电缆	规格型号	WDZAN-KYJYP2-450/750 24×1.5
		商标	珠峰
委托单位	珠峰电缆大名有限公司	样品等级	/
委托单位地址	河北省邯郸市大名县经济开发区内北侧(215省道东); 经济开发区园中街北段路东	送样人	刘丽娟
受检单位	珠峰电缆大名有限公司	检验类别	型式试验
生产单位	珠峰电缆大名有限公司	样品数量	150 m
样品描述	外观正常	生产日期/批号	2023.9.23 /
检验日期	2023-09-26 至 2023-10-18	到样日期	2023-09-26
检验地点	河北省邢台市宁晋县新兴路103号		
检验依据	GB/T 9330-2020 《塑料绝缘控制电缆》		
判定依据	GB/T 9330-2020 《塑料绝缘控制电缆》		
检验项目	全部项目		
检验结论	经检验, 该样品符合GB/T 9330-2020 《塑料绝缘控制电缆》规定的要求。  <div style="text-align: right;">                       (检验检测专用章)                      签发日期: 2023.10.19                        (2)                 </div>		
备注	/		

编制: 范姝哲

审核: 刘立龙

批准: 胡彦仙



报告编号: 2023300669



# 检验报告

委托单位名称: 珠峰电缆大名有限公司

产品名称型号: 铜芯压纹铜护套无机矿物绝缘电缆  
YTTW-0.6/1kV 5×16

检验类别: 型式检验(安全性能)

应急管理部四川消防研究所 (SCFRI)  
国家防火建筑材料质量检验检测中心 (NFTC)



应急管理部四川消防研究所 (SCFRI)  
国家防火建筑材料质量检验检测中心 (NFTC)



## 检验报告

报告编号: 2023300669

共 3 页 第 1 页

产品名称	铜芯压纹铜护套无机矿物绝缘电缆	型号规格	YTTW-0.6/1kV 5×16
委托单位	珠峰电缆大名有限公司	商 标	/
生产单位	珠峰电缆大名有限公司	检验类别	型式检验(安全性能)
送检单位	珠峰电缆大名有限公司	抽样基数	700m
抽样单位	应急管理部四川消防研究所	抽样日期	2023.10.09
抽样地点	库房	到样日期	2023.10.12
检验地点	本实验室	检验日期	2023.10.27~2023.11.09
样品数量	70m	样品编号	YP23004900
检验依据	GB 31247-2014《电缆及光缆燃烧性能分级》		
检验项目	燃烧性能B <sub>1</sub> 级		
检 验 结 论	<p>经检验, 该YTTW-0.6/1kV 5×16 铜芯压纹铜护套无机矿物绝缘电缆燃烧性能符合 B<sub>1</sub>级的规定要求, 附加分级符合d<sub>0</sub>、t<sub>0</sub>、a<sub>1</sub>的规定要求。</p> <p>按GB 31247-2014判定, 该产品燃烧性能达到B<sub>1</sub>(d<sub>0</sub>、t<sub>0</sub>、a<sub>1</sub>)级。(以下空白)</p>		
备 注	/		



签发日期: 2023年11月13日

批准: 陆勇

审核: 包光宏

编制: 胡林明





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中国认可  
国际互认  
实验室  
TESTING  
CNAS L1453

报告编号: GL202200460



# 检验检测报告

产品名称: 铝芯交联聚乙烯绝缘架空电缆

规格型号: JKLYJ-10 1×400

委托单位: 珠峰电缆大名有限公司

检验类别: 型式试验

河北省产品质量监督检验研究院  
国家特种电缆产品质量检验检测中心(河北)




验证码: 8HKGY

河北省产品质量监督检验研究院  
国家特种电缆产品质量检验检测中心(河北)

## 检验检测报告

№:GL202200460

共 3 页 第 1 页

样品名称	铝芯交联聚乙烯绝缘架空电缆	规格型号	JKLYJ-10 1×400
		商标	珠峰
委托单位	珠峰电缆大名有限公司	样品等级	/
委托单位地址	河北省邯郸市大名县经济开发区园中街北段路东	送样人	王留振
受检单位	珠峰电缆大名有限公司	检验类别	型式试验
生产单位	珠峰电缆大名有限公司	样品数量	50 m
样品描述	外观正常、包装完整	生产日期/批号	//
检验日期	2022-03-16 至 2022-05-06	到样日期	2022-03-15
检验地点	河北省邢台市宁晋县新兴路103号		
检验依据	GB/T 14049-2008 《额定电压10kV架空绝缘电缆》		
判定依据	GB/T 14049-2008 《额定电压10kV架空绝缘电缆》		
检验项目	全部项目		
检验结论	经检验,该样品符合GB/T 14049-2008 《额定电压10kV架空绝缘电缆》规定的要求。  <div style="text-align: right;">                       (检验检测专用章)                      签发日期: 2022-05-16                 </div>		
备注	/		

编制: 马少华  
批准: 胡彦仙

审核: 武朝飞





No: 22110980

# 检验报告

产品名称 煤矿用交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆

型号规格 MYJV22-8.7/10 3×300

生产单位 珠峰电缆大名有限公司

检验类别 安标型式检验

上海煤科检测技术有限公司  
国家安全生产上海矿用设备检测检验中心

上海煤科检测技术有限公司  
国家安全生产上海矿用设备检测检验中心

# 检验报告

No: 22110980

第 1 页 共 7 页

产品名称	煤矿用交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆	型号规格	MYJV22-8.7/10 3×300
生产单位	珠峰电缆大名有限公司	邮政编码	056900
生产地址	河北省邯郸市大名县经济开发区内 北侧 (215 省道路东)	联系电话	15128013567
送样日期	/	抽样地点	/
送样人员	姜利晓	抽样基数	/
到样日期	2022 年 12 月 30 日	样品状态	适检
样品数量	30m	样品编号	22110980
检验日期	2023 年 1 月 2 日~2023 年 4 月 12 日	检验地点	实验室
检验项数	共 6 项	任务书号	202261435
检验依据	MT/T 818.13-2009《煤矿用电缆 第 13 部分: 额定电压 8.7/10kV 及以下煤矿用交联聚乙烯绝缘电力电缆》		
检 验 结 论	依据上述检验依据及 ABGZ-MA-IAA-2017-01《矿用产品安全标志审核发放实施规则 煤矿用电缆》所列项目要求, 所检样品安全标志型式检验合格; 详细检验结果见第 2~6 页。  (检测专用章) 签发日期: 2023 年 4 月 24 日		
备 注	/		

批准: 审核: 主检: 高健



## 矿物绝缘防火电缆

### Mineral-Insulated Copper-clad Cable

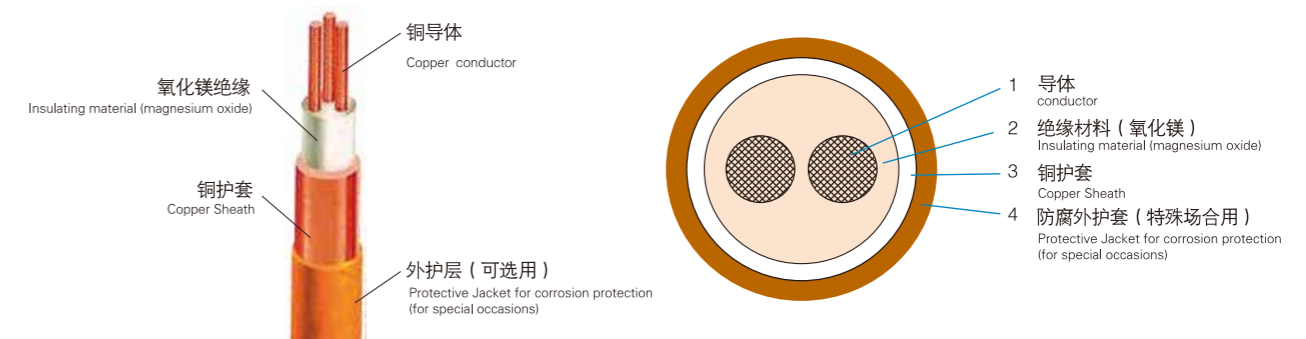
#### BTTZ矿物绝缘电缆

#### BTTZ Mineral-Insulated Copper-clad Cable

### 一、矿物绝缘电缆的组成 The composition of Mineral-insulated copper-clad cable

- (1) 电缆导体：由高导电率的金属铜作导体。
- (2) 绝缘层：采用耐高温，不燃烧的无机氧化镁作绝缘材质。
- (3) 金属护套：采用铜管作护套，经特殊加工有良好的连续性和弯曲特性，并可作为接地线用。
- (4) 外护层：必要时，在金属铜护套外面挤包一层塑料外护层，采用低烟无毒的塑性材质，有良好的防腐特性。

- (1) Cable conductor: made of copper with high conductivity.
- (2) Insulating layer: Using high temperature resistant, non-burning inorganic magnesium oxide as insulating material.
- (3) Metal Sheath: Copper Pipe is used as sheath, which has good continuity and bending characteristics after special processing, and can be used as grounding wire.
- (4) The outer layer: if necessary, the metal copper sheathing outside extrusion wrap a plastic outer layer, using low-smoke non-toxic plastic material, has good anti-corrosion characteristics.



### 二、产品表示方法 Product presentation

等级 Rank	额定电压 Rated voltage	型号 Model	名称 Name	芯数 Core number	截面mm <sup>2</sup> Cross section
轻载 Light load	500V (450/750V)	BTTQ	轻型铜芯铜护套矿物绝缘电缆 Light Copper Core Copper Sheath Mineral-insulated copper-clad cable	1、2、3、4、7	1.0-4.0
		BTTVQ	轻型铜芯铜护套聚氯乙烯外套矿物绝缘电缆 Light copper core copper sheath polyvinyl chloride jacket Mineral-insulated copper-clad cable	1、2、3、4、7	1.0-4.0
重载 Heavy load	700V (600/1000V)	BTTZ	重型铜芯铜护套矿物绝缘电缆 Heavy copper core Copper Sheath Mineral-insulated copper-clad cable	1、2、3、4、7、12、19	1.5-400
		BTTVZ	重型铜芯铜护套聚氯乙烯外套矿物绝缘电缆 Heavy copper core copper sheath polyvinyl chloride Mineral-insulated copper-clad cable	1、2、3、4、7、12、19	1.5-400

注：截面为25mm<sup>2</sup>以上的多芯电缆均由单芯电缆组成。

Note: Multi-core Cables With Cross section over 25mm<sup>2</sup> are composed of single-core cables.

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### 三、矿物绝缘电缆载流量及其产品技术参数

#### Current carrying capacity of Mineral-insulated copper-clad Cable and technical parameters of its products

型号 Model	导体芯数 标准截面 Core number Cross section mm <sup>2</sup>	电缆外径 Outside diameter of cable		额定载流量 Rated current carrying capacity		铜护套 横截面积 Cross-sectional area of Copper Sheath mm <sup>2</sup>	成品电缆 最大长度 (仅供参考) Maximum length of finished cable (for reference only) m	近似重量 Approximate weight	
		裸电缆 Bare cable mm	塑料护层 Plastic sheathing mm	裸电缆 Bare cable A	塑料护层 Plastic sheathing A			裸电缆 Bare cable kg/km	塑料护层 Plastic sheathing kg/km
BTTQ (BTTVQ)	2×1.0	5.1	6.4	17.5	19.5	6.0	800	104	125
	2×1.5	5.7	7.0	22.5	25	7.1	800	130	153
	2×2.5	6.6	7.9	30	33	9.4	800	179	205
	2×4	7.7	9.2	40	44	12.1	600	248	287
	3×1.0	5.8	7.1	15	16.5	7.6	800	135	159
	3×1.5	6.4	7.7	19	21	8.9	800	168	193
	3×2.5	7.3	8.8	25	28	10.7	800	224	261
	4×1.0	6.3	7.6	14.5	16	8.8	800	161	187
	4×1.5	7.0	8.3	19	21	10.2	800	202	230
	4×2.5	8.1	9.6	25	28	12.8	600	278	319
	7×1.0	7.6	9.1	10	11	11.6	600	233	271
	7×1.5	8.4	9.9	12.5	14	13.3	600	291	333
	7×2.5	9.7	11.2	17	21	17.4	600	407	455

注：电缆交货时，以实际交货长度为准。  
Note: When cable delivery, the actual length of delivery shall prevail.

型号 Model	导体芯数 标准截面 Core number Cross section mm <sup>2</sup>	电缆外径 Outside diameter of cable		额定载流量 Rated current carrying capacity		铜护套 横截面积 Cross-sectional area of Copper Sheath mm <sup>2</sup>	成品电缆 最大长度 (仅供参考) Maximum length of finished cable (for reference only) m	近似重量 Approximate weight	
		裸电缆 Bare cable mm	塑料护层 Plastic sheathing mm	裸电缆 Bare cable A	塑料护层 Plastic sheathing A			裸电缆 Bare cable kg/km	塑料护层 Plastic sheathing kg/km
BTTZ (BTTVZ)	1×1.5	4.9	6.2	30	33	5.8	1000	97	117
	1×2.5	5.3	6.6	39	43	6.4	1000	116	137
	1×4	5.9	7.2	51	56	7.7	1000	146	170
	1×6	6.4	7.7	63	69	8.9	1000	180	206
	1×10	7.3	8.8	81	90	10.7	800	241	278
	1×16	8.3	9.8	107	119	13.2	800	329	371
	1×25	9.6	11.1	139	154	17.0	800	455	502
	1×35	10.7	12.2	168	187	20.2	600	584	637
	1×50	12.1	13.6	207	230	24.7	500	773	831
	1×70	13.7	15.2	251	279	30.9	500	1022	1088
	1×95	15.4	17.4	300	333	36.7	450	1315	1403
	1×120	16.8	18.8	344	382	42.6	450	1604	1701
	1×150	18.4	20.4	388	431	49.5	400	1950	2054
	1×185	20.4	22.9	434	482	58.1	400	2360	2496
	1×240	23.3	25.8	483	567	70.1	350	2993	3147
	1×300	26.0	28.7	795	883	86.7	350	3700	3872
	1×400	30.6	33.1	948	1053	110.8	300	4851	5051

注：电缆交货时，以实际交货长度为准。  
Note: When cable delivery, the actual length of delivery shall prevail.



## BTTY 隔离型(柔性)矿物绝缘电缆 防火电缆

### BTTY Isolated (Flexible) Mineral Insulated Cable Fire-proof Cable

#### 一、产品介绍 Product introduction

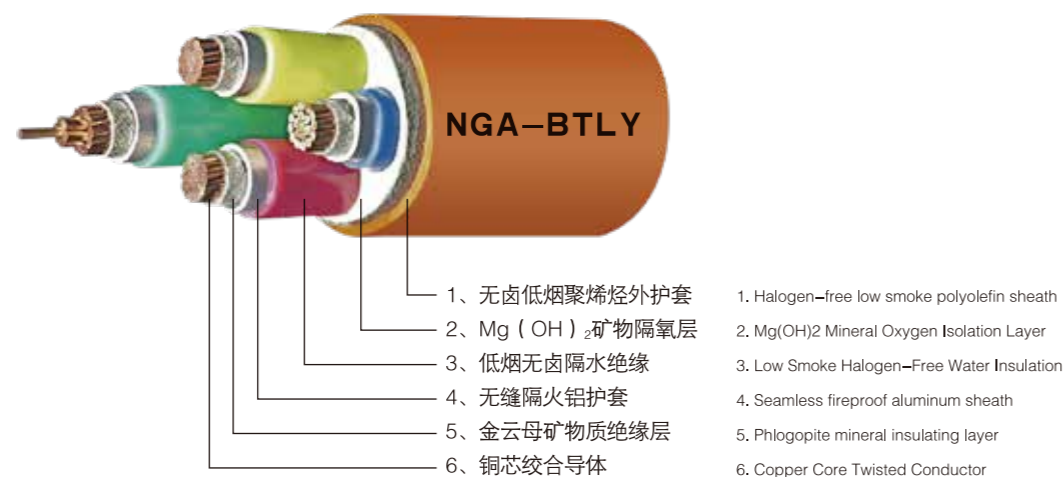
BTTY 隔离型(柔性)矿物绝缘电缆全都是用无机物(金属铜和氧化镁粉)组成,它本身不会引起火灾,不可能燃烧或助燃,由于铜的熔点是1083℃、氧化镁的熔点是2800℃,因此该种电缆可以在接近铜的熔点的火灾情况下继续保持供电,是一种真正意义上的防火电缆。该系列电缆使用覆盖面广,既克服刚性防火电缆的缺陷,又发挥了柔性防火电缆的优势,使现代工程在电气线路中达到了短路不燃烧,燃烧不短路的功效,矿物绝缘防火电缆(BTTY)具有保护生命、物资、信息安全的重要作用,广泛应用于主干线路、消防线路、逃生救援系统,如应急照明、火灾监测、报警系统、电梯系统、排烟系统,以及控制线路等多方面领域。

BTTY insulated (flexible) mineral insulated cables are all made up of inorganic substances (copper and magnesium oxide powder). They will not cause fire and can't be burned or ignited. Because the melting point of copper is 1083 C and the melting point of magnesium oxide is 2800 C, this kind of cable can keep power supply in the case of fire near the melting point of copper. It is a true fire-proof cable. This series of cables cover a wide range of applications, not only overcome the shortcomings of rigid fire-proof cables, but also give full play to the advantages of flexible fire-proof cables, which make modern engineering achieve the effect of short-circuit non-combustion and non-short-circuit combustion in electrical lines. Mineral insulated fire-proof cables (BTTY) play an important role in protecting lives, materials and information security, and are widely used in trunk lines, fire-proof lines and escape routes. Rescue system, such as emergency lighting, fire monitoring, alarm system, elevator system, smoke exhaust system, as well as control lines and other fields.

#### 二、型号规格 Model specification

型号 Model	规格 Specifications	芯数 Core number	额定电压 Rated voltage
WDZAN-BTTY (NG-A)	1.6-6mm <sup>2</sup>	3-61芯	0.6/1kv
	10-240mm <sup>2</sup>	2-5芯	
	10-630mm <sup>2</sup>	1芯	
备注: 95及以上导体规格建议选用单芯电缆,以方便敷设。 Note: Single core cable is recommended for conductor specifications above 95mm <sup>2</sup> to facilitate laying.			

#### 三、产品结构图 Product Structure Diagram



#### 四、使用特性 Usage characteristics

用铝为主要材料金属管挤出代替铜管拉拔不但简化了工艺提高了效率,而且使产品成本大幅下降(铝材仅为铜材综合成本的1/10)。用铝管之所以能代替铜管,在高温火焰下不熔,得益于铝管外挤覆的膨胀耐火层:在火焰侵袭下膨胀层发泡固化,形成厚厚的屏障阻隔了火焰对铝管的直接喷射。不但铝管的完整性得以保存,而且使云母带受热温度降低至600℃以下,云母带绝缘的稳定性无疑得到提高(云母带的绝缘电阻随温度的降低而上升)。

由于这种电缆的全部材料都是采用无机材料,所以它就具有其他电缆所不可能具有的优点。如防火、载流量大、耐机械损伤、无毒、防爆、防水、耐腐蚀、寿命长、安全、耐过载、耐高温、成本低、弯曲半径小、防蚁、防鼠咬、铜护套作保护接地线等特点。

Using aluminum as the main material instead of copper tube drawing not only simplifies the process and improves the efficiency, but also greatly reduces the product cost (aluminum is only 1/10 of the overall cost of copper). The reason why aluminum tube can replace copper tube can't melt under high temperature flame is due to the expansion refractory layer extruded by aluminum tube: under the attack of flame, the expansion layer foams and solidifies, forming a thick barrier to prevent the direct injection of flame to aluminum tube. Not only the integrity of aluminum tube can be preserved, but also the heating temperature of mica tape can be reduced to below 600 C. The insulation stability of mica tape will undoubtedly be improved (the insulation resistance of mica tape increases with the decrease of temperature).

Because all the materials of this cable are inorganic materials, it has some advantages that other cables can't have. Such as fire protection, large carrying capacity, resistance to mechanical damage, halogen-free, non-toxic, explosion-proof, waterproof, corrosion-resistant, long life, safety, overload resistance, high temperature resistance, low cost, small bending radius, ant prevention, rat bite prevention, copper sheath as protective grounding wire and so on.

##### ● 可持续生产 Sustainable production

WDZAN-BTTY (NG-A) 系列隔离型(柔性)矿物绝缘耐火电缆生产过程中采用的金属套连续成型工艺使得单根电缆连续生产长度可满足客户的要求,从而做到整根电缆无接头整盘交货。安装过程中可以整段敷设并且无需穿管。

The continuous forming process of metal sleeve used in the production of WDZAN-BTTY (NG-A) series insulated (flexible) mineral insulated refractory cables enables the continuous production length of a single cable to meet customer's requirements, thus achieving the whole cable delivery without joints. During installation, it can be laid whole section without piercing pipe.

##### ● 供货周期短 Short supply cycle

因为工艺先进,WDZAN-BTTY (NG-A) 系列隔离型(柔性)矿物绝缘耐火电缆的供货周期短,常规型号最快可以做到7个工作日交货。

Because of the advanced technology, WDZAN-BTTY (NG-A) series of isolated (flexible) mineral insulated refractory cables have a short supply cycle, and conventional models can deliver the cables in 7 working days at the fastest.

##### ● 防水 Waterproof

WDZAN-BTTY (NG-A) 系列隔离型(柔性)矿物绝缘耐火电缆采用金属套连续成型工艺,可以做到中间无接头,杜绝了接头处进水的现象,即使将电缆完全浸在水中,借助无缝金属管,也可以正常运行。

WDZAN-BTTY (NG-A) series of isolated (flexible) mineral insulated refractory cables are formed by metal sleeve continuous forming process, which can achieve no joints in the middle and eliminate the phenomenon of water entering the joints. Even if the cables are completely immersed in water, they can operate normally with the help of seamless metal pipes.



## 五、产品技术参数 Technical parameter of product

### ● 防鼠蚁 Rat and ant prevention

WDZAN-BTLY (NG-A) 系列隔离型 (柔性) 矿物绝缘耐火电缆因为连续成型金属套的存在, 有效的防止了鼠蚁对电缆的损伤。

WDZAN-BTLY (NG-A) series of isolated (flexible) mineral insulated refractory cables effectively prevent the damage of rodent ants to cables due to the existence of continuous forming metal sleeves.

### ● 机械强度高 High mechanical strength

WDZAN-BTLY (NG-A) 系列隔离型 (柔性) 矿物绝缘耐火电缆坚固耐用, 我们在设计耐火层结构时, 考虑了火灾条件下各种可能的冲击, 因而其坚固性能优于铠装电缆。

WDZAN-BTLY (NG-A) series insulated (flexible) mineral insulated refractory cables are strong and durable. When designing the structure of refractory layer, we take into account all kinds of possible impacts under fire conditions, so their ruggedness is better than that of armored cables.

### ● 线损小、载流量大 Small Line Loss and Large Carrier Flow

对于相同截面的电缆而言, WDZAN-BTLY (NG-A) 系列隔离型 (柔性) 矿物绝缘耐火电缆比其他的电缆传输较高的电流, 并且还可以耐受相当的过载, 若额定电流相同, 则线损要比其他电缆小7%-10%。

For cables with the same cross-section, WDZAN-BTLY (NG-A) series insulated (flexible) mineral insulated refractory cables transmit higher current than other cables, and can also withstand considerable overload. If the rated current is the same, the line loss is 7-10% less than other cables.

### ● 耐腐蚀 Corrosion resistance

WDZAN-BTLY (NG-A) 系列隔离型 (柔性) 矿物绝缘耐火电缆的金属护套具有该耐腐蚀性, 对于大多数装置来说, 不需要采取额外的防护措施, 即使电缆的金属护套易遭化学品腐蚀或工业污染严重的地方, 以为电缆外径有塑料外套套的保护, 仍然安全。

The metal sheath of WDZAN-BTLY (NG-A) series isolated (flexible) mineral insulated refractory cables has this corrosion resistance. For most devices, no additional protective measures are needed, even where the metal sheath of cables is susceptible to chemical corrosion or serious industrial pollution, it is considered that the outer diameter of cables is protected by plastic sheath, and it is still safe.

### ● 节能环保 Energy saving and environmental protection

WDZAN-BTLY (NG-A) 系列隔离型 (柔性) 矿物绝缘耐火电缆线芯工作温度低于其他类型的电缆, 因此在日常工作中WDZAN-BTLY (NG-A) 系列隔离型耐火电缆的线损低, 节约了能源, 在有环保要求的项目中尤其适用。

WDZAN-BTLY (NG-A) series insulated (flexible) mineral insulated refractory cables have lower core working temperature than other types of cables. Therefore, WDZAN-BTLY (NG-A) series insulated refractory cables have low line loss and save energy, and are especially suitable for projects with environmental protection requirements.

### ● 防辐射、寿命长 (安全可靠) Radiation protection, long life (safe and reliable)

WDZAN-BTLY (NG-A) 系列隔离型 (柔性) 矿物绝缘耐火电缆中应用的无机材料, 耐辐射、可保证电缆的稳定性、寿命长和耐久性、可适用于核电等领域。

The inorganic materials used in WDZAN-BTLY (NG-A) series insulated (flexible) mineral insulated refractory cables are radiation-resistant, can ensure the stability, long life and durability of cables, and can be applied to nuclear power and other fields.

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number /wire diameter) (mm)	导体直径 Diameter of conductor (mm)	矿物质 绝缘厚度 Mineral insulation thickness (mm)	金属套 厚度 Metal sleeve thickness (mm)	铜护套 截面 Copper sheath Section (mm <sup>2</sup> )	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 (approx.) (kg/kg)	导体最大直流电阻 Max. D. C. resistance of conductor (Ω/km)		20℃最大铜护 套直流电阻 Copper sheath DC resistance at 20℃ (Ω/km)	环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
								20℃	90℃		
1×1.5	1/1.38	1.38	0.80	0.80	27.3	9.82	122.90	12.1	15.40	0.657	25
1×2.5	1/1.78	1.78	0.80	0.80	28.3	10.22	139.49	7.41	9.48	0.719	31
1×4	1/2.25	2.25	0.80	0.80	29.5	10.69	161.87	4.61	5.90	0.781	41
1×6	1/2.76	2.76	0.80	0.80	30.7	11.20	189.47	3.08	3.90	0.844	52
1×10	7/1.35	4.05	1.00	0.80	34.0	12.49	249.86	1.83	2.33	0.468	71
1×16	7/1.70	5.10	1.00	0.80	36.6	13.54	323.44	1.15	1.47	0.500	92
1×25	7/2.25	6.00	1.00	0.80	38.9	14.44	420.83	0.727	0.92	0.533	120
1×35	7/2.54	7.20	1.10	0.80	41.9	15.64	532.89	0.524	0.67	0.565	150
1×50	10/2.54	8.20	1.20	1.00	55.5	17.04	720.38	0.387	0.49	0.368	180
1×70	14/2.54	9.90	1.20	1.00	60.9	18.74	934.22	0.268	0.34	0.388	230
1×95	19/2.54	11.60	1.20	1.00	66.2	20.44	1192.55	0.193	0.25	0.408	285
1×120	24/2.54	13.00	1.20	1.00	70.6	21.84	1444.57	0.153	0.20	0.428	335
1×150	30/2.54	14.50	1.40	1.00	75.3	23.34	1743.19	0.124	0.16	0.238	385
1×185	37/2.54	16.10	1.40	1.00	80.3	24.94	2088.42	0.0991	0.13	0.249	450
1×240	48/2.54	18.40	1.40	1.20	105.1	27.64	2681.70	0.0754	0.10	0.311	535
1×300	60/2.54	20.60	1.60	1.20	113.3	29.84	3266.18	0.0601	0.08	0.203	620
1×400	60/2.93	23.70	1.60	1.20	125.0	32.94	4227.32	0.0470	0.06	0.211	720
1×500	60/3.26	26.60	1.80	1.20	135.9	35.84	5183.86	0.0366	0.05	0.219	835
1×630	60/3.63	29.85	2.00	1.20	148.2	39.09	6415.44	0.0283	0.04	0.227	960

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number /wire diameter) (mm)	导体直径 Diameter of conductor (mm)	矿物质 绝缘厚度 Mineral insulation thickness (mm)	金属套 厚度 Metal sleeve thickness (mm)	铜护套 截面 Copper sheath Section (mm <sup>2</sup> )	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 (approx.) (kg/kg)	导体最大直流电阻 Max. D. C. resistance of conductor (Ω/km)		20℃最大铜护 套直流电阻 Copper sheath DC resistance at 20℃ (Ω/km)	环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
								20℃	90℃		
2×1.5	1/1.38	1.38	0.80	0.80	35.6	13.12	184.58	12.1	15.40	0.842	26
2×2.5	1/1.78	1.78	0.80	0.80	37.6	13.92	218.69	7.41	9.48	0.500	33
2×4	1/2.25	2.25	0.80	0.80	39.9	14.86	265.13	4.61	5.90	0.564	43
2×6	1/2.76	2.76	0.80	0.80	42.5	15.88	322.88	3.08	3.90	0.629	55
2×10	7/1.35	4.05	1.00	0.80	49.0	18.46	453.48	1.83	2.33	0.342	76
2×16	7/1.70	5.10	1.00	0.80	54.3	20.56	612.19	1.15	1.47	0.374	97
2×25	7/2.25	6.00	1.00	0.80	58.8	22.36	819.44	0.727	0.92	0.406	130
2×35	7/2.54	7.20	1.10	0.80	64.8	24.76	1063.82	0.524	0.67	0.437	160
2×50	10/2.54	8.20	1.20	1.00	87.3	27.16	1442.93	0.387	0.49	0.312	195
2×70	14/2.54	9.90	1.20	1.00	98.0	30.56	1911.43	0.268	0.34	0.209	245
2×95	19/2.54	11.60	1.20	1.00	108.6	33.96	2477.27	0.193	0.25	0.222	305
2×120	24/2.54	13.00	1.20	1.00	117.4	36.76	3028.09	0.153	0.20	0.235	355
2×150	30/2.54	14.50	1.40	1.00	126.9	39.76	3681.78	0.124	0.16	0.248	405
2×185	37/2.54	16.10	1.40	1.00	136.9	42.96	4439.64	0.0991	0.13	0.170	465
2×240	48/2.54	18.40	1.40	1.20	181.6	47.96	5718.70	0.0754	0.10	0.139	545
2×300	60/2.54	20.60	1.60	1.20	198.2	52.36	7007.15	0.0601	0.08	0.145	620
2×400	60/2.93	23.70	1.60	1.20	221.6	58.56	9121.61	0.0470	0.06	0.152	695



## YTTW 轧纹金属护套矿物绝缘防火电缆

### YTTW Rolled Metal Sheathed Mineral Insulated Fire-proof Cable

#### 一、产品介绍 Product introduction

YTTW、YTGW系列新型金属护套无机矿物绝缘柔性防火电缆采用先进的生产工艺，全自动机械化生产，产品质量可靠，满足JG/T313-2011《额定电压750V及以下金属护套无机矿物绝缘电缆及终端》的产品行业标准要求。该产品已获建设部中国建筑标准设计院重点推荐。

YTTW、YTGW系列产品防火性能优异，耐火等级不仅满足国际GB12666.6A类980℃，90min（还可满足英国BS6387-1994中规定A级650℃3h；B级750℃3h；C级950℃3h要求）；同时，在燃烧中还能耐受水喷与机械撞击。



YTTW, YTGW series of new metal sheathed inorganic mineral insulated flexible fire-proof cables adopt advanced production technology, fully automated mechanized production, reliable product quality, meet JG/T313-2011 "rated voltage 750V and below metal sheathed inorganic mineral insulated cables and terminals" product industry standards. This kind of product has been recommended by the Chinese Architectural Standard Design Institute of the Ministry of Construction.

YTTW and YTGW series products have excellent fire protection performance. The fire resistance grade not only satisfies the international GB12666.6A class 980 ~C, but also meets the requirements of Class A 650 ~C 3h, Class B 750 ~C 950 ~C 3h stipulated in BS6387-1994. At the same time, they can also withstand water spraying and mechanical impact in combustion.



## 二、型号规格 Model specification

电缆型号及名称对照表  
Cable Type and Name Reference Table

YTTW、YTGW系列电缆型号名称对照表  
YTTW, YTGW Series Cable Type Name Contrast Table

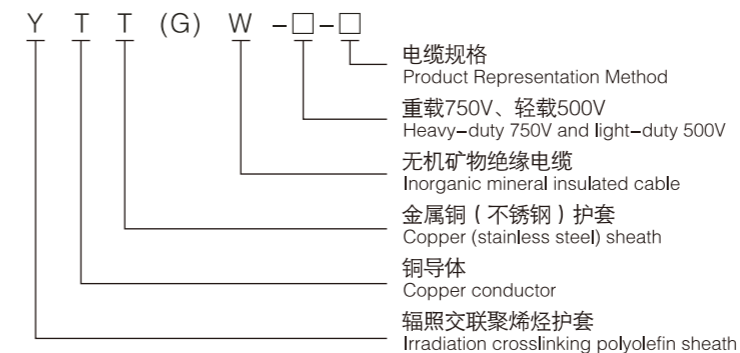
型号 Model	名称 Name
YTTW	铜芯铜轧纹护套无机矿物绝缘柔性防火电缆 Copper-cored copper-rolled sheathed inorganic mineral insulated flexible fire-proof cable
YTTWE	铜芯铜轧纹护套无机矿物绝缘低烟无卤聚烯烃外套柔性防火电缆 Copper Core Copper Rolled Sheath Inorganic Mineral Insulated Low Smoke Halogen Free Polyolefin Sheathed Flexible Fire-proof Cable
YTGW	铜芯不锈钢轧纹护套无机矿物绝缘柔性防火电缆 Copper Core Stainless Steel Rolled Sheath Inorganic Mineral Insulated Flexible Fire-proof Cable
YTGWE	铜芯不锈钢轧纹护套无机矿物绝缘低烟无卤聚烯烃外套柔性防火电缆 Copper Core Stainless Steel Rolled Sheath Inorganic Mineral Insulated Low Smoke Halogen-Free Polyolefin Sheathed Flexible Fire-proof Cable

YTTW、YTGW系列电缆规格表  
YTTW, YTGW Series Cable Type Name Contrast Table

型号 Model	额定电压 Rated voltage	芯数 Core number	标称截面 Nominal cross section
YTTW	0.6/1KV	1芯	10-400
YTTWE		2、3、4、5、	2.5-300
YTGW	0.6/1KV	1芯	10-400
YTGWE		2、3、4、5、	2.5-300



产品表示方法  
Product Representation Method



例一、YTTW-750-4 × (1 × 240)  
Example 1. YTTW-750-4\* (1\*240)

表示为：重载，4根240mm<sup>2</sup>的轧纹金属护套单芯电缆组成  
Represented as: Heavy load, four 240mm<sup>2</sup> single core cables with rolled metal sheath

例二、YTTW-750-3 × 150  
Example 2. YTTW-750-3\*150

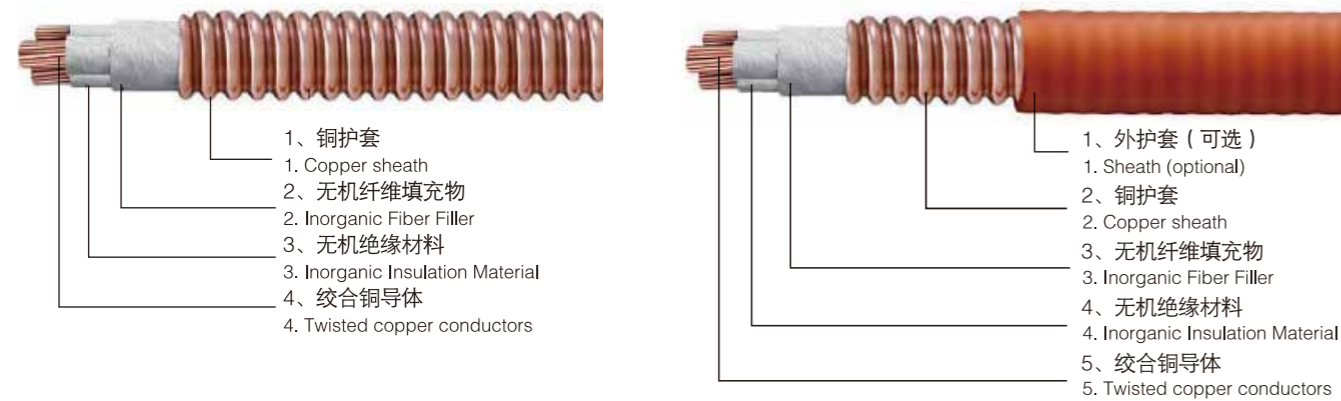
表示为：重载，3根150mm<sup>2</sup>多芯电缆  
Represented as: Heavy-duty, three 150mm<sup>2</sup> multi-core cables

例三、YTTW-750-4 × 70  
Example 3. YTTW-750-4\*70

表示为：重载4根，70mm<sup>2</sup>多芯电缆  
Represented as: 4 heavy-duty, 70mm<sup>2</sup> multi-core cables



### 三、产品结构图 Product Structure Diagram



### 四、使用特性 Usage characteristics

- 1、防火性能优异，耐火等级不仅能满足国标GB/T19216-21 A类950℃，90min（还可满足英国BS6387：2013 C级950℃3h要求）；同时，在燃烧中还能耐受水喷与机械撞击。
- 2、连续长度长，不管是单芯，还是多芯电缆，其长度能满足供电长度需要，极限长度可达2000m。
- 3、截面大，单芯电缆截面可达1000mm<sup>2</sup>，多芯电缆可达240mm<sup>2</sup>。
- 4、过载能力大，电缆不仅载流量大，而且具有较大的过载能力，根据布线要求，通常电缆表面温度≤70℃。若布线不可触摸，也不与可燃建筑材料相接触时，电缆护套温度可达105℃，过载时防火电缆允许工作温度可达250℃。
- 5、无电磁干扰，防火电缆与信号、控制等电线电缆在同一竖井敷设时，防火电缆在铜护套的屏蔽下，不会对信号、控制电缆传输的信息产生干扰。
- 6、经济性好，柔性防火电缆，由于制作工艺先进，安装简单，在同等条件下其综合费用比矿物绝缘电缆的费用明显降低。

- 1.Fire-proof performance is excellent, fire-resistant grade can not only meet the national standard GB/T 19216-21 A 950 C, 90 min (BS6387:2013 C 950 C, 3 h requirements), but also can withstand water spraying and mechanical impact in combustion.
- 2.Continuous length, whether single core or multi-core cable, can meet the needs of power supply length, the limit length can reach 2000m.
- 3.The cross-section of single-core cable is large, and the cross-section of single-core cable can reach 1000 mm<sup>2</sup>, and that of multi-core cable can reach 240 mm<sup>2</sup>.
- 4.The overload capacity is large, the cable not only has a large carrying capacity, but also has a large overload capacity. According to the wiring requirements, the surface temperature of the cable is usually less than 70 C. If the wiring is not touched or contacted with flammable building materials, the temperature of cable sheath can reach 105 C, and the allowable working temperature of fire-proof cable can reach 250 C when it is cut off.
- 5.No electromagnetic interference, fire-proof cables and signals, control cables are laid in the same shaft. When the fire-proof cables are shielded by copper sheath, they will not interfere with the information transmitted by signals and control cables.
- 6.The cost of flexible fire-proof cables is lower than that of mineral insulated cables under the same conditions because of its advanced fabrication technology and simple installation.

### 五、产品技术参数 Technical parameter of product

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number/wire diameter)(mm)	导体直径 Diameter of conductor (mm)	矿物质 绝缘厚度 Mineral insulation thickness (mm)	金属套 厚度 Metal sleeve thickness (mm)	铜护套 截面 Copper sheath Section (mm <sup>2</sup> )	电缆参考 外径 Cable Reference external diameter(mm)	电缆近似 重量 Cable weight (approx.) (kg/kg)	导体最大直流电阻 Max. D.C. resistance of conductor (Ω/km)		20℃最大铜护 套直流电阻 Copper sheath DC resistance at 20℃ (Ω/km)	环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
								20℃	90℃		
1×1.5	1/1.38	1.38	0.80	0.40	13.2	9.02	160.55	12.1	15.40	1.390	25
1×2.5	1/1.78	1.78	0.80	0.40	13.7	9.42	179.07	7.41	9.48	1.339	31
1×4	1/2.25	2.25	0.80	0.40	14.3	9.89	203.73	4.61	5.90	1.284	41
1×6	1/2.76	2.76	0.80	0.40	15.0	10.40	233.79	3.08	3.90	1.229	52
1×10	7/1.35	4.05	1.00	0.40	16.6	11.69	300.42	1.83	2.33	1.095	71
1×16	7/1.70	5.10	1.00	0.40	17.9	12.74	379.07	1.15	1.47	1.015	92
1×25	7/2.25	6.00	1.00	0.40	19.0	13.64	480.82	0.727	0.92	0.955	120
1×35	7/2.54	7.20	1.10	0.40	20.5	14.84	598.68	0.524	0.67	0.885	150
1×50	10/2.54	8.20	1.20	0.50	27.3	16.04	808.00	0.387	0.49	0.673	180
1×70	14/2.54	9.90	1.20	0.50	29.9	17.74	1032.12	0.268	0.34	0.613	230
1×95	19/2.54	11.60	1.20	0.50	32.6	19.44	1300.73	0.193	0.25	0.563	285
1×120	24/2.54	13.00	1.20	0.50	34.8	20.84	1561.21	0.153	0.20	0.527	335
1×150	30/2.54	14.50	1.40	0.50	37.1	22.34	1868.90	0.124	0.16	0.521	385
1×185	37/2.54	16.10	1.40	0.50	39.7	23.94	2223.80	0.0991	0.13	0.488	450
1×240	48/2.54	18.40	1.40	0.60	51.9	26.44	2860.05	0.0754	0.10	0.361	535
1×300	60/2.54	20.60	1.60	0.60	56.1	28.64	3460.49	0.0601	0.08	0.335	620
1×400	60/2.93	23.70	1.60	0.60	61.9	31.74	4444.11	0.0470	0.06	0.303	720
1×500	60/3.26	26.60	1.80	0.60	67.4	34.64	5421.69	0.0366	0.05	0.278	835
1×630	60/3.63	29.85	2.00	0.60	73.5	37.89	6676.84	0.0283	0.04	0.249	960

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number/wire diameter)(mm)	导体直径 Diameter of conductor (mm)	矿物质 绝缘厚度 Mineral insulation thickness (mm)	金属套 厚度 Metal sleeve thickness (mm)	铜护套 截面 Copper sheath Section (mm <sup>2</sup> )	电缆参考 外径 Cable Reference external diameter(mm)	电缆近似 重量 Cable weight (approx.) (kg/kg)	导体最大直流电阻 Max. D.C. resistance of conductor (Ω/km)		20℃最大铜护 套直流电阻 Copper sheath DC resistance at 20℃ (Ω/km)	环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
								20℃	90℃		
2×1.5	1/1.38	1.38	0.80	0.40	17.0	12.32	238.19	12.1	15.40	1.070	26
2×2.5	1/1.78	1.78	0.80	0.40	18.0	13.12	276.16	7.41	9.48	1.011	33
2×4	1/2.25	2.25	0.80	0.40	19.2	14.06	327.15	4.61	5.90	0.948	43
2×6	1/2.76	2.76	0.80	0.40	20.4	15.08	389.84	3.08	3.90	0.889	55
2×10	7/1.35	4.05	1.00	0.40	23.7	17.66	532.91	1.83	2.33	0.767	76
2×16	7/1.70	5.10	1.00	0.40	26.3	19.76	701.78	1.15	1.47	0.697	97
2×25	7/2.25	6.00	1.00	0.50	35.7	21.76	987.07	0.727	0.92	0.542	130
2×35	7/2.54	7.20	1.10	0.50	39.5	24.16	1250.44	0.524	0.67	0.490	160
2×50	10/2.54	8.20	1.20	0.50	34.5	26.16	1591.76	0.387	0.49	0.532	195
2×70	14/2.54	9.90	1.20	0.50	37.9	29.56	2080.78	0.268	0.34	0.510	245
2×95	19/2.54	11.60	1.20	0.50	41.4	32.96	2667.18	0.193	0.25	0.468	305
2×120	24/2.54	13.00	1.20	0.50	44.2	35.76	3234.92	0.153	0.20	0.438	355
2×150	30/2.54	14.50	1.40	0.60	57.2	38.96	4029.58	0.124	0.16	0.328	405
2×185	37/2.54	16.10	1.40	0.60	61.3	42.16	4816.62	0.0991	0.13	0.306	465
2×240	48/2.54	18.40	1.40	0.60	67.0	46.76	6044.44	0.0754	0.10	0.280	545
2×300	60/2.54	20.60	1.60	0.60	72.3	51.16	7364.80	0.0601	0.08	0.254	620
2×400	60/2.93	23.70	1.60	0.60	80.6	57.36	9524.24	0.0470	0.06	0.228	695



芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number /wire diameter) (mm)	导体直径 Diameter of conductor (mm)	矿物质 绝缘厚度 Mineral insulation thickness (mm)	金属套 厚度 Metal sleeve thickness (mm)	铜护套 截面 Copper sheath Section (mm <sup>2</sup> )	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 (approx.) (km/kg)	导体最大直流电阻 Max. D. C. resistance of conductor (Ω /km)		20℃最大铜护 套直流电阻 Copper sheath DC resistance at 20℃ (Ω /km)	环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
								20℃	90℃		
3×1.5	1/1.38	1.38	0.80	0.40	17.6	12.85	265.38	12.1	15.40	1.304	25
3×2.5	1/1.78	1.78	0.80	0.40	18.7	13.71	314.17	7.41	9.48	0.974	28
3×4	1/2.25	2.25	0.80	0.40	19.9	14.73	380.68	4.61	5.90	0.911	37
3×6	1/2.76	2.76	0.80	0.40	21.3	15.83	463.39	3.08	3.90	0.852	47
3×10	7/1.35	4.05	1.00	0.40	24.8	18.62	647.13	1.83	2.33	0.732	65
3×16	7/1.70	5.10	1.00	0.40	27.7	20.88	872.93	1.15	1.47	0.663	84
3×25	7/2.25	6.00	1.00	0.50	37.6	23.03	1244.82	0.727	0.92	0.514	110
3×35	7/2.54	7.20	1.10	0.50	41.7	25.62	1600.63	0.524	0.67	0.464	135
3×50	10/2.54	8.20	1.20	0.50	40.0	27.78	2077.80	0.387	0.49	0.483	170
3×70	14/2.54	9.90	1.20	0.60	53.2	31.65	2848.04	0.268	0.34	0.353	215
3×95	19/2.54	11.60	1.20	0.60	58.4	35.32	3669.69	0.193	0.25	0.321	265
3×120	24/2.54	13.00	1.20	0.60	63.1	38.35	4469.38	0.153	0.20	0.297	310
3×150	30/2.54	14.50	1.40	0.60	68.3	41.59	5417.26	0.124	0.16	0.275	350
3×185	37/2.54	16.10	1.40	0.60	73.5	45.04	6514.43	0.0991	0.13	0.250	405
3×240	48/2.54	18.40	1.40	0.60	80.6	50.01	8227.61	0.0754	0.10	0.227	480
3×300	60/2.54	20.60	1.60	0.60	87.8	54.76	10075.60	0.0601	0.08	0.209	555
3×400	60/2.93	23.70	1.60	0.60	98.1	61.46	13112.08	0.0470	0.06	0.187	640

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number /wire diameter) (mm)	导体直径 Diameter of conductor (mm)	矿物质 绝缘厚度 Mineral insulation thickness (mm)	金属套 厚度 Metal sleeve thickness (mm)	铜护套 截面 Copper sheath Section (mm <sup>2</sup> )	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 (approx.) (km/kg)	导体最大直流电阻 Max. D. C. resistance of conductor (Ω /km)		20℃最大铜护 套直流电阻 Copper sheath DC resistance at 20℃ (Ω /km)	环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
								20℃	90℃		
4×1.5	1/1.38	1.38	0.80	0.40	18.5	13.69	301.51	12.1	15.40	0.981	25
4×2.5	1/1.78	1.78	0.80	0.40	19.7	14.65	362.75	7.41	9.48	0.921	28
4×4	1/2.25	2.25	0.80	0.40	21.2	15.79	446.82	4.61	5.90	0.859	37
4×6	1/2.76	2.76	0.80	0.40	22.7	17.02	551.96	3.08	3.90	0.800	47
4×10	7/1.35	4.05	1.00	0.40	26.6	20.13	783.28	1.83	2.33	0.689	65
4×16	7/1.70	5.10	1.00	0.50	37.3	22.87	1145.27	1.15	1.47	0.519	84
4×25	7/2.25	6.00	1.00	0.50	40.7	25.04	1539.51	0.727	0.92	0.476	110
4×35	7/2.54	7.20	1.10	0.50	45.2	27.94	1997.30	0.524	0.67	0.428	135
4×50	10/2.54	8.20	1.20	0.50	44.3	30.35	2619.04	0.387	0.49	0.436	170
4×70	14/2.54	9.90	1.20	0.60	59.0	34.65	3595.88	0.268	0.34	0.318	215
4×95	19/2.54	11.60	1.20	0.60	65.6	38.76	4661.40	0.193	0.25	0.286	265
4×120	24/2.54	13.00	1.20	0.60	71.4	42.14	5701.70	0.153	0.20	0.257	310
4×150	30/2.54	14.50	1.40	0.60	77.2	45.76	6936.50	0.124	0.16	0.237	350
4×185	37/2.54	16.10	1.40	0.60	83.9	49.62	8367.00	0.0991	0.13	0.219	405
4×240	48/2.54	18.40	1.40	0.60	92.6	55.17	10602.10	0.0754	0.10	0.198	480
4×300	60/2.54	20.60	1.60	0.60	100.9	60.48	13016.27	0.0601	0.08	0.182	555
4×400	60/2.93	23.70	1.60	0.60	113.7	67.97	16990.02	0.047	0.06	0.161	640

## BBTRZ 柔性矿物绝缘电缆

### BBTRZ Flexible Mineral Insulated Cable

#### 一、产品介绍 Product introduction

柔性矿物绝缘电缆是由铜绞线、矿物化合物绝缘、和矿物化合物护套所构成。这种电缆具有不燃、无烟、无毒和耐火特性。柔性矿物绝缘防火电缆(BBTRZ)产品的生产工艺与传统电缆完全相同,成功的解决了氧化镁铜杆矿物绝缘电缆(BTTZ)的一个里程碑。同时也加快了我国电缆的技术研发水平与国际接轨的进程。柔性矿物绝缘电缆的结构采用柔性结构及材料都是采用矿物化合物,弥补了结构硬、易燃烧、有毒等缺陷,它还具有一些其他电缆所不可能具有的优点,如:耐火、载流量大、耐冲击电压、耐机械损伤、无卤无毒、防爆、防水、耐腐蚀、寿命长、安全、耐过载、耐高温、成本低等特点。

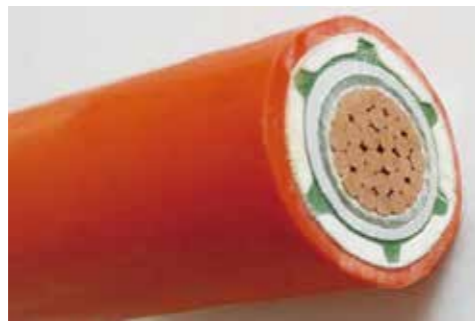
Flexible mineral insulated cable is composed of copper strand, mineral compound insulation and mineral compound sheath. This kind of cable has non-flammable, smokeless, non-toxic and fire-resistant characteristics. The process structure of flexible mineral insulated fire-proof cable (BBTRZ) is exactly the same as that of traditional cable, which successfully solves many shortcomings of products determined by the production process of magnesium oxide copper pole mineral insulated cable (BTTZ). The advent of BBTRZ has become a milestone in the history of fire cable development. At the same time, it also accelerates the process of connecting China's cable technology research and development level with international standards. Flexible mineral insulated cables are constructed with flexible structures and materials using mineral compounds, which make up for the defects of hard structure, flammability and toxicity. It also has some advantages that other cables cannot have, such as fire resistance, large carrying capacity, shock voltage resistance, mechanical damage resistance, halogen-free, non-toxic, explosion-proof, waterproof, corrosion resistance, long service life, safety, overload resistance and resistance. High temperature and low cost.





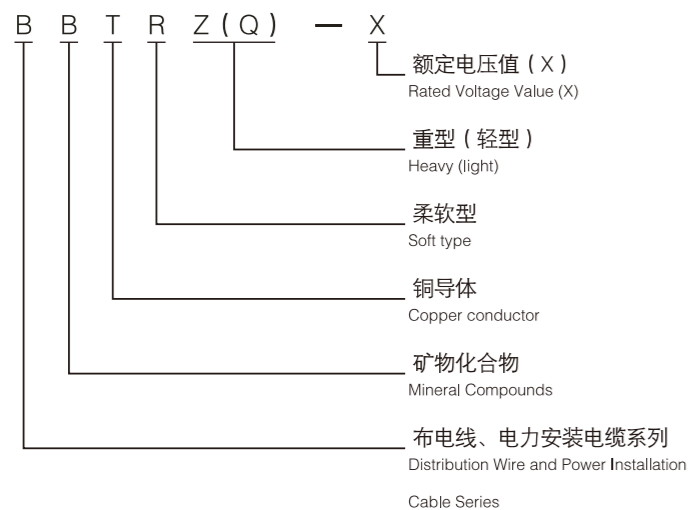
## 二、型号规格 Model specification

型号 Model	规格 Specifications	芯数 Core number	额定电压 Rated voltage
WDZAN-BBTRZ	1.5-6mm <sup>2</sup>	3-61芯	0.6/1kv
	1.5-400mm <sup>2</sup>	2-5芯	
	10-500mm <sup>2</sup>	1芯	



### 产品表示方法 Product Representation Method

BBTRZ 型号释义如下



例一、轻型柔性矿物绝缘电缆，额定电压500V，单芯25mm<sup>2</sup>  
Lightweight flexible mineral insulated cable, rated voltage 500V, single core 25mm<sup>2</sup>

表示为: BBTRQ-500 1\*25  
Expressed as: BBTRQ-500 1\*25

例二、轻型柔性矿物绝缘电缆，额定电压750V，3芯25mm<sup>2</sup>  
Lightweight flexible mineral insulated cable, rated voltage 750V, 3 cores 25mm<sup>2</sup>

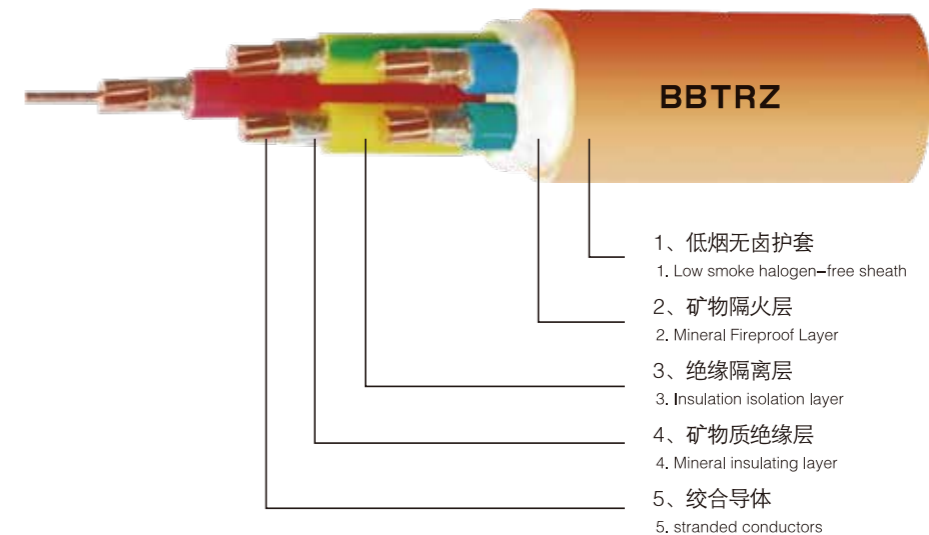
表示为: BBTRQ-750 3\*25  
Expressed as: BBTRQ-750 3\*25

例三、轻型柔性矿物绝缘电缆，额定电压1000V，5芯16mm<sup>2</sup>  
Lightweight flexible mineral insulated cable, rated voltage 1000V, 5 cores 16mm<sup>2</sup>

表示为: BBTRQ-1000 5\*16  
Expressed as: BBTRQ-1000 5\*16

注: Z=600/1000V 或 450/750V; Q=300/500V

## 三、产品结构图 Product Structure Diagram



## 四、使用特性 Usage characteristics

### ● 优势汇总:

#### Summary of advantages:

- 1、真正柔性，结构与普通电缆一样，象普通电缆一样柔软。  
1. Really flexible, the structure is as soft as ordinary cables.
- 2、工艺结构与普通电缆相同，理论生产无限长，可定长生产一根电缆。  
2. The technological structure is the same as that of ordinary cables. The theoretical production is infinite and a cable can be produced at a fixed length.
- 3、供货周期短，采用先进的生产工艺和成熟的制造技术，使电缆的供货周期短，常规规格型号可在合同生效后7个工作日内交货。  
3. Short supply period, advanced production technology and mature manufacturing technology are adopted to shorten the supply period of cables. Conventional lattice models can be delivered within 7 working days after the contract takes effect.
- 4、安装无接头，施工简单，提高可靠性，降低投入成本。  
4. Installation without joints, simple construction, improve reliability, reduce investment costs.
- 5、多芯可生产300mm<sup>2</sup>，克服刚性BTTZ 25mm<sup>2</sup>以上单芯的不足。  
5. Installation without joints, simple construction, improve reliability, reduce investment costs. Multi-core can produce 300 mm<sup>2</sup>, overcome the shortage of rigid BTTZ over 25 mm<sup>2</sup> single core.
- 6、电缆可再生使用，如遇线路改建调整时，电缆可以拆下重复使用。  
6. Cables can be used regeneratively. If the line is reconstructed and adjusted, the cable can be removed and reused.



## 五、产品技术参数 Technical parameter of product

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number/wire diameter) (mm)		导体直径 Diameter of conductor (mm)		矿物质绝缘厚度 Mineral insulation thickness (mm)		无机矿物质 防火层厚度 Inorganic Mineral Fire protection layer thickness	阻燃护套 厚度 Flame retardant protection Sheath thickness	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 Cable weight (approx.) (km/kg)	导体最大直流电阻 Max. D.C. resistance of conductor (Ω/km)		环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line					20℃	90℃	
1×1.5	1/1.38	/	1.38	/	0.8	0.0	1.5	1.4	12.8	205.8	12.10	15.40	25
1×2.5	1/1.78	/	1.78	/	0.8	0.0	1.5	1.4	13.3	226.2	7.41	9.48	31
1×4	1/2.25	/	2.25	/	0.8	0.0	1.5	1.4	13.8	253.2	4.61	5.90	41
1×6	1/2.76	/	2.76	/	0.8	0.0	1.5	1.4	14.3	285.9	3.08	3.90	52
1×10	7/1.35	/	4.05	/	0.8	0.0	1.5	1.4	15.7	359.6	1.83	2.33	71
1×16	7/1.70	/	5.1	/	0.8	0.0	1.5	1.5	16.8	444.4	1.15	1.47	92
1×25	7/2.14	/	6	/	0.8	0.0	1.5	1.5	18.4	575.5	0.727	0.924	120
1×35	7/2.54	/	7.2	/	0.8	0.0	1.5	1.6	19.7	702.5	0.524	0.670	150
1×50	19/1.82	/	8.2	/	0.8	0.0	1.5	1.6	21.0	876.9	0.387	0.490	180
1×70	19/2.18	/	9.9	/	0.8	0.0	1.5	1.7	23.0	1120.3	0.268	0.340	230
1×95	19/2.54	/	11.6	/	0.8	0.0	2.0	1.8	25.9	1498.1	0.193	0.250	285
1×120	19/2.85	/	13	/	0.8	0.0	2.0	1.8	27.9	1798.3	0.153	0.200	335
1×150	37/2.28	/	14.5	/	0.8	0.0	2.0	1.9	29.9	2150.0	0.124	0.160	385
1×185	37/2.54	/	16.1	/	0.8	0.0	2.0	2.0	32.2	2567.0	0.0991	0.1300	450
1×240	48/2.54	/	18.4	/	0.8	0.0	2.0	2.1	34.9	3169.4	0.0754	0.0963	535
1×300	60/2.54	/	20.6	/	0.8	0.0	2.5	2.2	38.6	3962.7	0.0601	0.0770	620
1×400	60/2.93	/	23.7	/	0.8	0.0	2.5	2.3	42.5	5058.5	0.0470	0.0578	720
1×500	60/3.26	/	26.5	/	0.8	0.0	2.5	2.4	46.1	6152.0	0.0366	0.0462	835
1×630	60/3.36	/	29.8	/	0.8	0.0	3.0	2.6		7726.7	0.0283	0.0367	960

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number/wire diameter) (mm)		导体直径 Diameter of conductor (mm)		矿物质绝缘厚度 Mineral insulation thickness (mm)		无机矿物质 防火层厚度 Inorganic Mineral Fire protection layer thickness	阻燃护套 厚度 Flame retardant protection Sheath thickness	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 Cable weight (approx.) (km/kg)	导体最大直流电阻 Max. D.C. resistance of conductor (Ω/km)		环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line					20℃	90℃	
3×1.5	1/1.38	/	1.38	/	0.8	0.0	1.5	1.8	18.9	410.9	12.10	15.40	25
3×2.5	1/1.78	/	1.78	/	0.8	0.0	1.5	1.8	19.8	464.1	7.41	9.48	28
3×4	1/2.25	/	2.25	/	0.8	0.0	1.5	1.8	20.8	535.2	4.61	5.90	37
3×6	1/2.76	/	2.76	/	0.8	0.0	1.5	1.8	21.9	622.3	3.08	3.90	47
3×10	7/1.35	/	4.05	/	0.8	0.0	1.5	1.8	24.7	814.4	1.83	2.33	65
3×16	7/1.70	/	5.1	/	0.8	0.0	2.0	1.9	28.0	1152.6	1.15	1.47	84
3×25	7/2.14	/	6	/	0.8	0.0	2.0	2.0	31.5	1539.6	0.727	0.924	110
3×35	7/2.54	/	7.2	/	0.8	0.0	2.0	2.1	34.3	1916.2	0.524	0.670	135
3×50	19/1.82	/	8.2	/	0.8	0.0	2.5	2.2	38.1	2581.5	0.387	0.490	170
3×70	19/2.18	/	9.9	/	0.8	0.0	2.5	2.3	42.5	3326.2	0.268	0.340	215
3×95	19/2.54	/	11.6	/	0.8	0.0	2.5	2.5	46.4	4183.6	0.193	0.250	265
3×120	19/2.85	/	13	/	0.8	0.0	3.0	2.6	51.7	5279.5	0.153	0.200	310
3×150	37/2.28	/	14.5	/	0.8	0.0	3.0	2.8	56.1	6348.0	0.124	0.160	350
3×185	37/2.54	/	16.1	/	0.8	0.0	3.0	2.9	61.1	7616.8	0.0991	0.1300	405
3×240	48/2.54	/	18.4	/	0.8	0.0	3.0	3.1	66.9	9447.5	0.0754	0.0963	480
3×300	60/2.54	/	20.6	/	0.8	0.0	3.0	3.3	72.5	11411.1	0.0601	0.0770	555
3×400	60/2.93	/	23.7	/	0.8	0.0	3.5	3.6	82.1	15036.9	0.0470	0.0578	640

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number/wire diameter) (mm)		导体直径 Diameter of conductor (mm)		矿物质绝缘厚度 Mineral insulation thickness (mm)		无机矿物质 防火层厚度 Inorganic Mineral Fire protection layer thickness	阻燃护套 厚度 Flame retardant protection Sheath thickness	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 Cable weight (approx.) (km/kg)	导体最大直流电阻 Max. D.C. resistance of conductor (Ω/km)		环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line					20℃	90℃	
2×1.5	1/1.38	/	1.38	/	0.8	0.0	1.5	1.8	18.2	367.4	12.10	15.40	26
2×2.5	1/1.78	/	1.78	/	0.8	0.0	1.5	1.8	19.0	408.2	7.41	9.48	33
2×4	1/2.25	/	2.25	/	0.8	0.0	1.5	1.8	19.9	462.0	4.61	5.90	43
2×6	1/2.76	/	2.76	/	0.8	0.0	1.5	1.8	20.9	527.0	3.08	3.90	55
2×10	7/1.35	/	4.05	/	0.8	0.0	1.5	1.8	23.5	672.5	1.83	2.33	76
2×16	7/1.70	/	5.1	/	0.8	0.0	2.0	1.8	26.6	937.0	1.15	1.47	97
2×25	7/2.14	/	6	/	0.8	0.0	2.0	1.9	29.8	1221.8	0.727	0.924	130
2×35	7/2.54	/	7.2	/	0.8	0.0	2.0	2.0	32.4	1494.9	0.524	0.670	160
2×50	19/1.82	/	8.2	/	0.8	0.0	2.0	2.1	35.0	1863.8	0.387	0.490	195
2×70	19/2.18	/	9.9	/	0.8	0.0	2.5	2.2	40.1	2538.4	0.268	0.340	245
2×95	19/2.54	/	11.6	/	0.8	0.0	2.5	2.4	43.8	3148.7	0.193	0.250	305
2×120	19/2.85	/	13	/	0.8	0.0	2.5	2.5	47.6	3785.5	0.153	0.200	355
2×150	37/2.28	/	14.5	/	0.8	0.0	3.0	2.7	52.7	4736.5	0.124	0.160	405
2×185	37/2.54	/	16.1	/	0.8	0.0	3.0	2.8	57.4	5640.5	0.0991	0.1300	465
2×240	48/2.54	/	18.4	/	0.8	0.0	3.0	3.0	62.8	6928.8	0.0754	0.0963	545
2×300	60/2.54	/	20.6	/	0.8	0.0	3.0	3.2	67.9	8304.7	0.0601	0.0770	620
2×400	60/2.93	/	23.7	/	0.8	0.0	3.0	3.4	75.9	10600.8	0.0470	0.0578	695

芯数及截面 Core number and cross section (mm <sup>2</sup> )	导体机构 (根数/丝径) Conductor mechanism (root number/wire diameter) (mm)		导体直径 Diameter of conductor (mm)		矿物质绝缘厚度 Mineral insulation thickness (mm)		无机矿物质 防火层厚度 Inorganic Mineral Fire protection layer thickness	阻燃护套 厚度 Flame retardant protection Sheath thickness	电缆参考 外径 Cable Reference external diameter (mm)	电缆近似 重量 Cable weight (approx.) (km/kg)	导体最大直流电阻 Max. D.C. resistance of conductor (Ω/km)		环境温度40℃空 气中电缆载流量 The ambient temperature is 40 degrees centigrade Cable flow in gas
	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line	主线芯 Main core	中性线 Neutral line					20℃	90℃	
4×1.5	1/1.38	/	1.38	/	0.8	0.0	1.5	1.8	20.0	465.2	12.10	15.40	25
4×2.5	1/1.78	/	1.78	/	0.8	0.0	1.5	1.8	21.0	531.7	7.41	9.48	28
4×4	1/2.25	/	2.25	/	0.8	0.0	1.5	1.8	22.2	621.2	4.61	5.90	37
4×6	1/2.76	/	2.76	/	0.8	0.0	1.5	1.8	23.4	731.7	3.08	3.90	47
4×10	7/1.35	/	4.05	/	0.8	0.0	2.0	1.8	27.6	1078.5	1.83	2.33	65
4×16	7/1.70	/	5.1	/	0.8	0.0	2.0	1.9	30.3	1396.4	1.15	1.47	84
4×25	7/2.14	/	6	/	0.8	0.0	2.0	2.1	34.2	1891.9	0.727	0.924	110
4×35	7/2.54	/	7.2	/	0.8	0.0	2.5	2.2	38.4	2524.3	0.524	0.670	135
4×50	19/1.82	/	8.2	/	0.8	0.0	2.5	2.3	41.5	3213.4	0.387	0.490	170
4×70	19/2.18	/	9.9	/	0.8	0.0	2.5	2.5	46.4	4178.8	0.268	0.340	215
4×95	19/2.54	/	11.6	/	0.8	0.0	3.0	2.6	51.9	5492.9	0.193	0.250	265
4×120	19/2.85	/	13	/	0.8	0.0	3.0	2.8	56.5	6674.2	0.153	0.200	310
4×150	37/2.28	/	14.5	/	0.8	0.0	3.0	2.9	61.4	8062.9	0.124	0.160	350
4×185	37/2.54	/	16.1	/	0.8	0.0	3.0	3.1	67.1	9712.6	0.0991	0.1300	405
4×240	48/2.54	/	18.4	/	0.8	0.0	3.0	3.3	73.6	12104.9	0.0754	0.0963	480
4×300	60/2.54	/	20.6	/	0.8	0.0	3.5	3.6	80.9	15012.2	0.0601	0.0770	555
4×400	60/2.93	/	23.7	/	0.8	0.0	3.5	3.9	90.5	19356.8	0.0470	0.0578	640



## 应用领域——更广阔的应用空间

### APPLICATION FIELDS——BROADER APPLICATION SPACE

柔性合成矿物绝缘防火电缆的设计体现了矿物绝缘技术的优势，该电缆不仅可用于高密度电流系统等方面，还广泛应用于消防报警及紧急救生防火系统。

The design of flexible synthetic mineral insulated fire-proof cable embodies the advantages of mineral insulated technology. The cable can be used not only in high density current system, but also in fire alarm and emergency life-saving fire-proof system.

#### 高层建筑 High rise building

高层建筑内地紧急线路和消防报警线路是火灾中最重要的线路，必须保持完整以延长并确定救火时间。

Emergency lines and fire alarm lines in the interior of high-rise buildings are the most important lines in fire. They must be kept intact to prolong and determine the time of fire fighting.

#### 石油化工 Petrochemical industry

该电缆可耐1050℃的高温，在火灾环境下能确保所有能源，控制阀的控制线路和紧急设备线路的完整，以防止灾情扩大。

The cable can withstand high temperature of 1050 C. It can ensure the integrity of all energy sources, control valves and emergency equipment lines in the fire environment to prevent the disaster from expanding.

#### 电力、冶金应用 Application of Electricity and Metallurgy

柔性合成矿物绝缘电缆由化合物组成、可避免持续高温环境下普通电缆的老化、脆化和过早损坏，确保系统的完整。

Flexible synthetic mineral insulated cables are composed of compounds, which can avoid aging, embrittlement and premature damage of ordinary cables under continuous high temperature environment and ensure the integrity of the system.

#### 商场、剧院、宾馆应用 Application of shopping malls, theatres and hotels

在普通照明、应急照明、动力系统、安全系统、主干线等方面均可应用。

It can be used in general lighting, emergency lighting, power system, safety system, trunk line and so on.

#### 机场应用 Airport application

可应用于消防泵输送电路、紧急设备、普通照明、应急照明、消防报警系统、动力系统、CCTV系统等。

It can be used in fire pump transmission circuit, emergency equipment, general lighting, emergency lighting, fire alarm system, power system, CCTV system, etc.



## 交联聚乙烯绝缘电力电缆

### XLPE INSULATED POWER CABLE

#### 一. 产品介绍

交联聚乙烯绝缘电力电缆具有卓越的热-机械性能，优异的电气性能和耐化学腐蚀性能，还具有结构简单、重量轻、敷设不受落差限制等优点，是目前广泛应用于城市电网、矿山和工厂的新颖电缆。

电缆的绝缘-交联聚乙烯是利用化学方法或物理方法使线型分子结构的聚乙烯转变为立体网状结构的交联聚乙烯，从而大幅度地提高了聚乙烯的热-机械性能，并保持了优异的电气性能。

交联聚乙烯绝缘电力电缆导体最高额定工作温度为90℃，比聚氯乙烯绝缘电缆、聚乙烯绝缘电缆均高，所以电缆的载流量也进一步提高。

我公司用于额定电压26/35kV及以下交联聚乙烯绝缘电力电缆生产的主要设备全部为进口设备，TROESTER的三层共挤C.C.V干法交联机组，并配套引进X-射线测偏仪（用于交联挤出过程中的偏心度控制与测量）导体预热器（用于导体在线连续加热，改善绝缘热机性能，提高生产效率）和局部放电测试设备。

为满足广大用户的需要，本公司成功开发了国内外最新颖的阻燃型、无卤低烟型交联聚乙烯绝缘电力电缆以及防水型交联聚乙烯绝缘电力电缆。阻燃型、无卤低烟型交联聚乙烯绝缘电力电缆适用于有特殊阻燃要求的场合，如高层建筑、医院、隧道、发电厂、石油化工和矿山等，防水型交联聚乙烯绝缘电力电缆适用于防水要求高的场合。

上述产品经检测符合GB/T12706.2-2020、GB/T18380-2008、GB/T17650-1998和GB/T17651-1998国家标准，并符合国际标准IEC60502-2:2005、IEC60332-2000、IEC61034-1997和IEC60754-1994的要求。

#### 二. 产品执行标准

GB/T12706.2-2020  
额定电压1kV (Um=1.2kV) 到35kV (Um=40.5kV) 挤包绝缘电力电缆及附件  
IEC60502-2:2005  
额定电压1~30kV 挤包绝缘电力电缆及附件

#### 三. 使用特性

工作温度：  
导体最高额定工作温度90℃

导体短路温度：  
最高温度不得超过250℃，最长不超过5秒。

#### 1. Products Introduction

XLPE insulated power cables are superior in thermomechanical properties, electrical characteristics and chemical resistances. They are not only simple in construction and light in weight but also no limitation is required to the difference of level in installation along the route. This kind of up-to-date cables is widely used in electrical power nets in cities, mines and factories.

The insulation of the cable-XLPE is manufactured by adopting a chemical or physical process of cross-linking of the molecular structure. During the process, the cross linkable insulation is transformed from its linear chain structure into a three-dimensional network structure owing to this substantive transformation, the thermomechanical properties of the cable insulation are greatly improved while its superior electrical characteristics remain unchanged.

The maximum permissible continuous conductor operating temperature of XLPE insulated power cables is 90℃, which is higher than that of paper, PVC, or PE insulated cables. The current ratings of the XLPE insulated cable further increase.

All the main equipment for producing XLPE insulated cables with rated voltages up to and including 26/35kV were imported from advanced countries TROESTER of Germany and DAVIS of USA equipped with X-ray eccentricity gauges, conductor preheaters and partial discharge equipment.

To meet the broad users needs, our company has successfully developed up-to-date flame-retardant type, low smoke low halogen type, low smoke non-halogen type and watertight type XLPE insulated power cables. Cables of flame-retardant type, low smoke low halogen type, low smoke non-halogen type are suited for USB where emphasis is placed on special performance of flame retardancy, such as high-rise buildings, hospitals, tunnels, power plants, petrochemical works, mines, etc.; while the cables of watertight type are used in the places where waterproof is strictly required.

The above products, having been tested, are in conformity with the requirements of the standards of GB/T12706.2-2020, GB/T18380-2008, GB/T17650-1998, GB/T17651-1998, IEC60502-2:2005, IEC60332-2000, IEC61034-1997 and IEC60754-1994.

#### 2. Standard complied with

GB/T12706.2-2020 Power cables with extruded insulation and their accessories for rated voltages from 1kV (Um=1.2kV) up to and including 35kV (Um=40.5kV)

IEC60502-2:2005 Power cables with extruded insulation and their accessories for rated voltages from 1kV up to 30kV

#### 3. Service performance

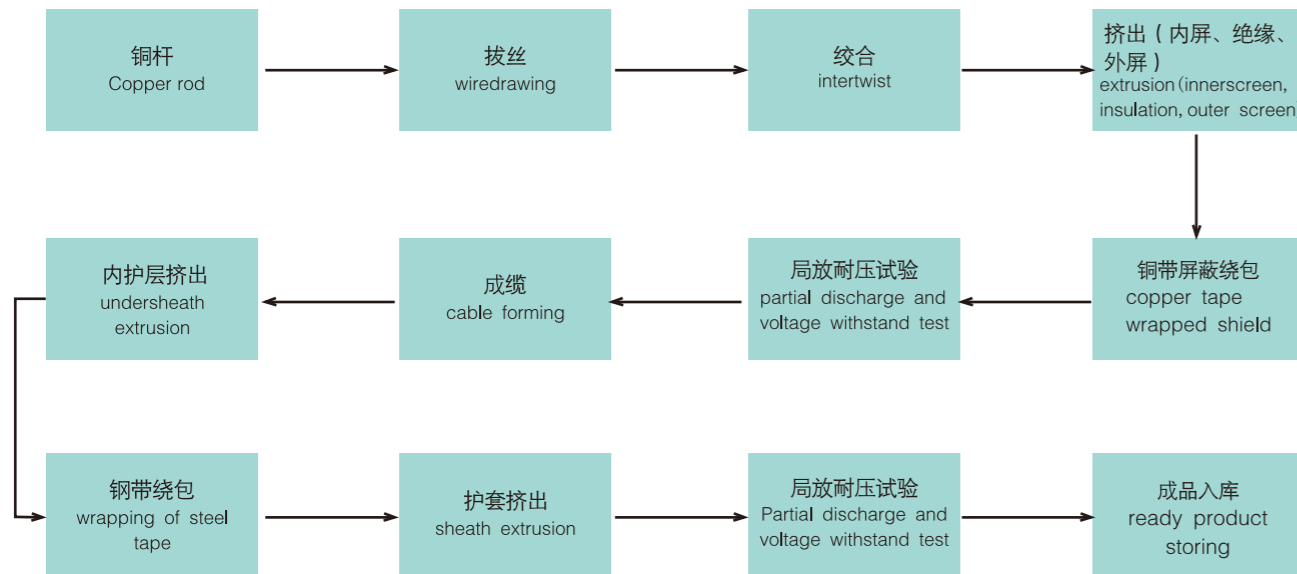
Operating temperature  
Max. Permissible continuous operating temperature of conductors shall not exceed 90℃.

Short circuit temperature of conductor  
Max. Short circuit temperature shall not exceed 250℃ (Max. sustaining period: not exceeding 5 sec.)



交联聚乙烯绝缘电力电缆工艺流程:

XLPE Insulated Power Cable production technical process



电缆安装时的最小弯曲半径:

Min.bending radius at laying

项目 Item	单芯电缆 Single-core cable		三芯电缆 3-core cable	
	无铠装 Without armour	有铠装 With armour	无铠装 Without armour	有铠装 With armour
安装时的最小弯曲半径 Min.bending radius at laying	20D	15D	15D	12D
靠近连接盒和终端电缆的最小弯曲半径 (但弯曲要小心控制,如采用成型导板) Min.bending radius near joint box and terminal box(bending carefully,e.g.dopting of shaped slide)	15D	12D	12D	10D

注: D为电缆外径。 Remark:D—Overall diameter of cable

安装敷设温度:

电缆安装敷设温度不低于0°C

Laying temperature:

The laying temperature is not less than 0°C

计算电缆载流量采用的敷设方式和基准参数:

空气中敷设: 环境温度40°C

土壤中敷设: 环境温度25°C  
土壤热阻系数为1.0°C · m/W

Laying condition and base parameters in calculation of current capacity of cables

Method of laying	Basic ambient temperature
In air	40°C
Direct burial	25°C Soil thermal resistivity 1.0°C · m/W

电缆敷设排列方式:

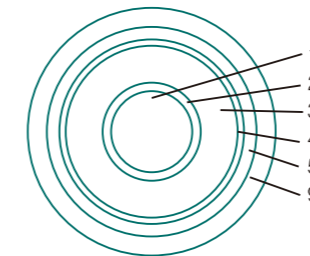
单芯电缆排列方式为扁平形 (相邻间距等于电缆外径)  
多芯电缆为单根敷设

Layout of cables

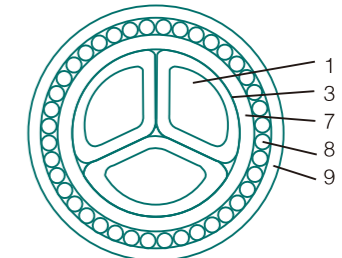
Layout of single core cables: In parallel  
(Spacing side by side; ID D=overall diameter)  
Multicore cables: laid individually

四. 产品结构示意图

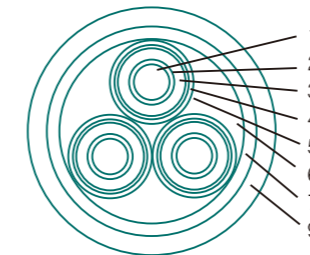
4. Constructed Profiles of the Products



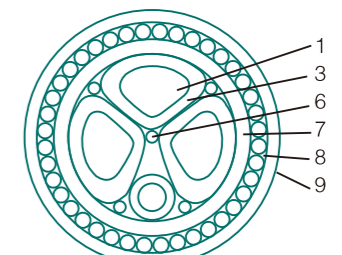
3.6/6kV及以上单芯无铠装电缆  
YJV YJY YJLV YJLY  
Single core unarmoured



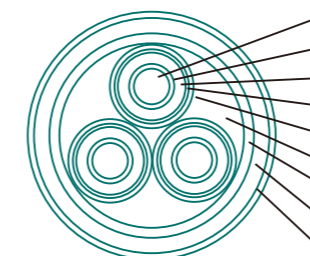
3.6/6kV以下三芯圆钢丝铠装电缆  
YJV<sub>32</sub> YJY<sub>32</sub> YJLV<sub>32</sub> YJLY<sub>32</sub>  
Three cores steel wire armoured



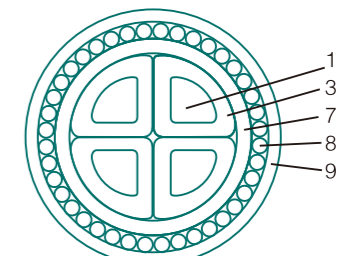
3.6/6kV及以上三芯无铠装电缆  
YJV YJY YJLV YJLY  
Three cores unarmoured



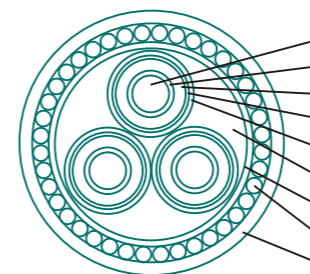
3.6/6kV以下3+1芯圆钢丝铠装电缆  
YJV<sub>32</sub> YJY<sub>32</sub> YJLV<sub>32</sub> YJLY<sub>32</sub>  
3+1 cores steel wire armoured



3.6/6kV及以上三芯钢带铠装电缆  
YJV<sub>22</sub> YJY<sub>22</sub> YJLV<sub>22</sub> YJLY<sub>22</sub>  
Three cores steel tape armoured



3.6/6kV以下四芯圆钢丝铠装电缆  
YJV<sub>32</sub> YJY<sub>32</sub> YJLV<sub>32</sub> YJLY<sub>32</sub>  
Four cores steel wire armoured



3.6/6kV及以上三芯圆钢丝铠装电缆  
YJV<sub>32</sub> YJY<sub>32</sub> YJLV<sub>32</sub> YJLY<sub>32</sub>  
YJV<sub>42</sub> YJY<sub>42</sub> YJLV<sub>42</sub> YJLY<sub>42</sub>  
Three cores steel wire armoured

- |             |                                      |
|-------------|--------------------------------------|
| 1.导体        | 1.Conductor                          |
| 2.导体屏蔽      | 2.Conductor Screen                   |
| 3.交联聚乙烯绝缘   | 3.XLPE Insulation                    |
| 4.绝缘屏蔽      | 4.Insulation Screen                  |
| 5.金属屏蔽      | 5.Metallic Screen                    |
| 6.填充        | 6.Filler                             |
| 7.隔离带 (内护层) | 7.Separating Sheath (Inner Covering) |
| 8.铠装        | 8.Armour                             |
| 9.外护套       | 9.Oversheath                         |



五. 型号、名称及用途

5. Type, description and main applications

型号 Type		名称 Description	适用范围 Main applications
铜芯 Cu	铝芯 Al		
YJV	YJLV	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated PVC sheathed power cable	适用于室内外敷设，可经受一定的敷设牵引，但不能承受机械外力作用的情况。单芯电缆不允许敷设在磁性管道中。 For laying indoor and outdoor, unable to bear external mechanical force but the tractive force during laying. Laying single core cable in magnetic duct is not permissible.
YJY	YJLY	铜芯或铝芯交联聚乙烯绝缘聚乙烯护套电力电缆 Cu or Al conductor XLPE insulated PE sheathed power cable	
YJV <sub>22</sub>	YJLV <sub>22</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated steel tape armored PVC sheathed power cable	适用于埋地敷设，能承受机械外力作用，但不能承受大的压力。 For laying underground, able to bear external mechanical force, but unable to bear large pulling force.
YJV <sub>23</sub>	YJLV <sub>23</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 Cu or Al conductor XLPE insulated steel tape armored PE sheathed power cable	
YJV <sub>32</sub>	YJLV <sub>32</sub>	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated steel wire armored PVC sheathed power cable	适用于高落差地区，能承受机械外力和相当的拉力。 For laying underground along route with different level, able to bear external mechanical force and moderate pulling force.
YJV <sub>33</sub>	YJLV <sub>33</sub>	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚乙烯护套电力电缆 Cu or Al conductor XLPE insulated steel wire armored PE sheathed power cable	
YJV <sub>42</sub>	YJLV <sub>42</sub>	铜芯或铝芯交联聚乙烯绝缘粗钢丝铠装聚氯乙烯护套电力电缆 Cu or Al conductor XLPE insulated thick steel wire armored PVC sheathed power cable	适用于高落差地区，能承受机械外力和相当的拉力。 For laying underground along route with different level, able to bear external mechanical force and moderate pulling force.
YJV <sub>43</sub>	YJLV <sub>43</sub>	铜芯或铝芯交联聚乙烯绝缘粗钢丝铠装聚乙烯护套电力电缆 Cu or Al conductor XLPE insulated thick steel wire armored PE sheathed power cable	

注：单芯钢带铠装电缆只允许用于直流供电系统；若用于交流线路，可采用铝线等铠装形式。

Remark: Steel tape armoured single-core cables are used only in D.C. power supply system. If they are used in A.C. power supply system, aluminum wires or other types of armour are adopted.

六. 生产范围

6. Scope of cables

型号 Type	芯数 Number of cores	额定电压 Rated voltages (kV)								
		0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
		导电线芯标称截面 Nominal area of conductor (mm <sup>2</sup> )								
YJV YJLV	1	1.5-800	10-800	10-800	16-800	25-800	35-800	50-800	50-800	50-800
	2	1.5-240	-	-	-	-	-	-	-	-
	3	1.5-500	10-500	10-630	16-630	25-630	35-630	50-500	50-400	50-300
	4	1.5-500	-	-	-	-	-	-	-	-
	5	1.5-500	-	-	-	-	-	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub>	1	16-800	10-800	10-800	16-800	25-800	35-800	50-800	50-800	50-800
	2	2.5-240	-	-	-	-	-	-	-	-
	3	1.5-500	10-500	10-630	16-630	25-630	35-630	50-500	50-400	50-300
	4	1.5-500	-	-	-	-	-	-	-	-
	5	1.5-500	-	-	-	-	-	-	-	-
YJV <sub>42</sub> YJLV <sub>42</sub>	1	16-800	10-800	10-800	16-800	25-800	35-800	50-800	50-800	50-800
	2	2.5-240	-	-	-	-	-	-	-	-
	3	1.5-500	10-500	10-630	16-630	25-630	35-630	50-400	50-300	50-240
	4	1.5-500	-	-	-	-	-	-	-	-
	5	1.5-500	-	-	-	-	-	-	-	-
YJV <sub>42</sub> YJLV <sub>42</sub>	1	-	10-800	10-800	16-800	25-800	35-800	50-800	50-800	50-800
	2	-	-	-	-	-	-	-	-	-
	3	-	10-500	10-630	16-630	25-630	35-630	50-400	50-300	50-240
	4	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-

根据用户要求可生产阻燃型交联电缆、防水型交联电缆、无卤低烟型交联电缆。

Flame retardant XLPE insulated cables, watertight XLPE insulated cables, low smoke low halogen and low smoke non-halogen XLPE insulated cables are also available on request.

阻燃类型交联电缆，型号表示按成束燃烧类别（A、B、C）分别用派生号-ZRA、-ZRB、-ZRC表示。如用户不注明燃烧类别或用-ZRC表示，一律按成束燃烧C类执行。例：ZR-YJV<sub>22</sub>-8.7/10 3×400  
防水型交联电缆，型号表示加派生代号FS。例：FS-YJV<sub>32</sub>-8.7/10 3×240  
低烟无卤型交联电缆，型号表示加派生代号WD。例：WD-YJV<sub>22</sub>-8.7/10 3×300

The type designation for flame retardant cables is classified depending on the performance of burning test on bundled cables, separately expressed by addition of derivation-ZRA, -ZRB or -ZRC. If no classification of flame retardancy or just derivation-ZR is indicated by the user, the flame retardant requirement is understood to reach class C, e.g. ZR-YJV<sub>22</sub>-8.7/10 3×400  
For Watertight type XLPE insulated cables, the derivation code is FS, e.g. FS-YJV<sub>32</sub>-8.7/10 3×240  
For low smoke non-halogen type XLPE insulated cables, the derivation code is WD, e.g. WD-YJV<sub>22</sub>-8.7/10 3×300



**七. 产品结构及主要工艺参数**

**7. Product constructions and main technical parameters**

0.6/1kV单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1 kV Single-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section	绝缘 标称 厚度 Nom. Insulation Thickness	铠装 钢带 厚度 Hickness of Steel Tape	铠装 钢丝 直径 Tickness of Steel Wire	护套标称厚度 Nom. Sheath Thickness			电缆外径 (理论计算值) Dia. of Cable (By calculation)			电缆重量(非阻燃型) 近似值 Cable Weight (Approx)						20℃导体最大直流电阻 Max. D.C. Resistance of Conductor at 20℃		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)			
				(mm)			(mm)			(kg/km)						(Ω/km)		土壤敷设 Direct in Ground		空气敷设 Run in Air	
				YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	铜 Cu	铝 Al	铜芯 Cu	铝芯 Al	铜芯 Cu	铝芯 Al
1×1.5	0.7	-	-	1.4	-	-	6	-	-	44	-	-	-	-	12.1	-	45	-	32	-	
1×2.5	0.7	-	-	1.4	-	-	6	-	-	57	41	-	-	-	7.41	12.1	59	46	42	33	
1×4	0.7	-	-	1.4	-	-	7	-	-	74	49	-	-	-	4.61	7.41	77	61	56	44	
1×6	0.7	-	-	1.4	-	-	7	-	-	96	59	-	-	-	3.08	4.61	97	79	70	57	
1×10	0.7	-	-	1.4	-	-	8	-	-	141	80	-	-	-	1.83	3.08	130	100	97	75	
1×16	0.7	0.2	0.8	1.4	1.8	1.8	9	13	13	203	105	311	213	393	296	1.15	1.91	170	135	125	99
1×25	0.9	0.2	0.8	1.4	1.8	1.8	11	14	15	300	147	425	272	521	368	0.727	1.20	220	170	165	125
1×35	0.9	0.2	1.25	1.4	1.8	1.8	12	15	17	397	184	532	318	749	535	0.524	0.868	265	205	200	155
1×50	1.0	0.2	1.25	1.4	1.8	1.8	13	17	18	532	236	681	386	929	633	0.387	0.641	320	245	245	190
1×70	1.1	0.2	1.25	1.4	1.8	1.8	15	19	20	734	314	904	483	1188	767	0.288	0.443	395	305	305	240
1×95	1.1	0.2	1.25	1.5	1.8	1.8	17	20	22	988	406	1170	588	1482	900	0.193	0.320	475	370	375	290
1×120	1.2	0.2	1.6	1.5	1.8	1.8	19	22	24	1232	498	1425	692	1896	1163	0.153	0.253	545	420	435	340
1×150	1.4	0.2	1.6	1.6	1.8	1.8	21	24	26	1519	609	1724	814	2248	1339	0.124	0.206	610	475	500	390
1×185	1.6	0.2	1.6	1.6	1.8	1.8	23	26	28	1880	747	2096	963	2659	1526	0.0991	0.164	695	540	580	450
1×240	1.7	0.2	1.6	1.7	1.8	1.9	26	28	31	2437	951	2670	1184	3306	1821	0.0754	0.125	810	630	685	636
1×300	1.8	0.2	1.6	1.8	1.9	2.0	28	31	34	3022	1162	3277	1417	3981	2121	0.0601	0.100	910	710	795	615
1×400	2.0	0.2	2.0	1.9	2.0	2.1	32	35	38	3872	1477	4158	1762	5206	2810	0.047	0.0778	1050	820	930	730
1×500	2.2	0.5	2.0	2.0	2.2	2.3	35	40	42	4920	1856	5647	2583	6446	3382	0.0366	0.0605	1190	940	1080	850
1×630	2.4	0.5	2.5	2.2	2.3	2.4	40	44	48	6306	2351	7116	3161	8431	4475	0.0283	0.0469	1350	1080	1250	1000
1×800	2.6	0.5	2.5	2.3	2.5	2.6	44	49	52	8008	-	8906	-	10352	-	0.0221	-	1520	-	1440	-

0.6/1kV二芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kV Two-core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section	绝缘 标称 厚度 Nom. Insulation Thickness	铠装 钢带 厚度 Hickness of Steel Tape	铠装 钢丝 直径 Tickness of Steel Wire	护套标称厚度 Nom. Sheath Thickness			电缆外径 (理论计算值) Dia. of Cable (By calculation)			电缆重量(非阻燃型) 近似值 Cable Weight (Approx)						20℃导体最大直流电阻 Max. D.C. Resistance of Conductor at 20℃	
				(mm)			(mm)			(kg/km)						(Ω/km)	
				YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	铜 Cu	铝 Al			
2×1.5	0.7	-	-	1.8	-	-	10	-	-	107	92	-	-	-	-	12.1	18.1
2×2.5	0.7	0.2	0.8	1.8	1.8	1.8	11	13	14	135	111	221	197	307	283	7.41	12.1
2×4	0.7	0.2	0.8	1.8	1.8	1.8	12	14	14	175	137	267	229	360	321	4.61	7.41
2×6	0.7	0.2	1.25	1.8	1.8	1.8	13	15	16	225	168	325	268	536	479	3.08	4.61
2×10	0.7	0.2	1.25	1.8	1.8	1.8	15	17	19	329	233	448	352	703	607	1.83	3.08
2×16	0.7	0.2	1.25	1.8	1.8	1.8	17	19	21	465	312	600	447	892	738	1.15	1.91
2×25	0.9	0.2	1.6	1.8	1.8	1.8	20	22	25	687	447	845	606	1331	1091	0.727	1.20
2×35	0.9	0.2	1.6	1.8	1.8	1.8	22	24	27	698	563	1072	737	1609	1275	0.524	0.868
2×50	1.0	0.2	1.6	1.8	1.8	1.9	25	27	30	1196	733	1394	931	2003	1540	0.387	0.641
2×70	1.1	0.2	1.6	1.8	1.9	2.0	29	31	34	1648	988	1886	1226	2603	1943	0.268	0.443
2×95	1.1	0.2	2.0	2.0	2.0	2.1	33	35	38	2204	1292	2471	1559	3542	2629	0.193	0.320
2×120	1.2	0.5	2.0	2.1	2.2	2.3	36	40	43	2743	1594	3451	2302	4244	3095	0.153	0.253
2×150	1.4	0.5	2.5	2.2	2.3	2.4	40	44	48	3384	1959	4164	2739	5480	4055	0.124	0.206
2×185	1.6	0.5	2.5	2.3	2.4	2.6	44	48	52	4182	2408	5039	3265	6453	4679	0.0991	0.164
2×240	1.7	0.5	2.5	2.5	2.6	2.7	50	54	58	5426	3099	6402	4076	8006	5679	0.0754	0.125



0.6/1kV三芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kV Three-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section	绝缘 标称 厚度 Nom. Insulation Thickness (mm)	铠装 钢带 厚度 Hickness of Steel Tape (mm)	铠装 钢丝 直径 Tickness of Steel Wire (mm)	护套标称厚度 Nom.Sheath Thickness (mm)			电缆外径 (理论计算值) Dia.of Cable (By calculation) (mm)			电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)						20°C导体最大 直流电阻 Max.D.C. Resistance of Conductor at 20°C (Ω/km)		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)			
				YJV	YJV <sub>22</sub>	YJV <sub>32</sub>	YJV	YJV <sub>22</sub>	YJV <sub>32</sub>	YJV	YJLV	YJV <sub>22</sub>	YJLV <sub>22</sub>	YJV <sub>32</sub>	YJLV <sub>32</sub>	铜 Cu	铝 Al	铜芯 Cu	铝芯 Al	铜芯 Cu	铝芯 Al
				(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
3×1.5	0.7	0.2	0.8	1.8	1.8	1.8	10	12	13	128	-	211	-	291	-	12.1	-	27	-	20	-
3×2.5	0.7	0.2	0.8	1.8	1.8	1.8	11	13	14	167	121	256	209	343	296	7.41	12.1	35	27	26	20
3×4	0.7	0.2	0.8	1.8	1.8	1.8	12	14	15	221	146	317	243	414	339	4.61	7.41	45	36	34	27
3×6	0.7	0.2	1.25	1.8	1.8	1.8	13	15	17	289	179	394	284	621	511	3.08	4.61	57	46	43	35
3×10	0.7	0.2	1.25	1.8	1.8	1.8	16	18	20	431	247	556	373	826	642	1.83	3.08	77	59	60	47
3×16	0.7	0.2	1.25	1.8	1.8	1.8	18	20	22	623	329	766	471	1071	776	1.15	1.91	105	80	83	64
3×25	0.9	0.2	1.6	1.8	1.8	1.8	22	24	26	933	473	1100	640	1609	1149	0.727	1.20	125	100	105	82
3×35	0.9	0.2	1.6	1.8	1.8	1.8	24	26	28	1234	591	1417	775	1981	1338	0.524	0.868	155	120	125	100
3×50	1.0	0.2	1.6	1.8	1.8	1.9	27	29	32	1655	767	1871	983	2520	1632	0.387	0.641	185	145	160	125
3×70	1.1	0.2	2.0	1.9	2.0	2.1	32	33	37	2305	1038	2558	1291	3559	2293	0.268	0.443	225	175	200	155
3×95	1.1	0.5	2.0	2.0	2.2	2.2	35	39	41	3100	1350	3786	2036	4570	2820	0.193	0.320	270	210	245	200
3×120	1.2	0.5	2.0	2.1	2.3	2.3	39	43	45	3868	1664	4622	2418	5478	3274	0.153	0.253	310	240	285	220
3×150	1.4	0.5	2.5	2.3	2.4	2.5	43	47	50	4778	2044	5611	2877	7003	4269	0.124	0.206	345	270	325	250
1×185	1.6	0.5	2.5	2.4	2.6	2.7	48	52	55	5932	2528	6832	3428	8358	4954	0.0991	0.164	390	305	375	295
3×240	1.7	0.5	2.5	2.6	2.7	2.9	54	58	61	7695	3231	8732	4268	10441	5977	0.0754	0.125	450	355	440	345
3×300	1.8	0.5	2.5	2.8	2.9	3.0	60	64	67	9543	3955	10684	5095	12550	6961	0.0601	0.100	515	400	505	395
3×400	2.0	0.5	3.15	3.1	3.2	3.3	67	71	76	12241	5043	13524	6326	16490	9292	0.047	0.0778	588	459	586	467
3×500	2.2	0.5	3.15	3.3	3.4	3.6	75	79	84	15552	6345	16981	7774	20275	11068	0.0366	0.0605	666	526	680	544

0.6/1kV四芯等截面交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kV Four-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section	绝缘 标称 厚度 Nom. Insulation Thickness (mm)	铠装 钢带 厚度 Hickness of Steel Tape (mm)	铠装 钢丝 直径 Tickness of Steel Wire (mm)	护套标称厚度 Nom.Sheath Thickness (mm)			电缆外径 (理论计算值) Dia.of Cable (By calculation) (mm)			电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)						20°C导体最大 直流电阻 Max.D.C. Resistance of Conductor at 20°C (Ω/km)		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)			
				YJV	YJV <sub>22</sub>	YJV <sub>32</sub>	YJV	YJV <sub>22</sub>	YJV <sub>32</sub>	YJV	YJLV	YJV <sub>22</sub>	YJLV <sub>22</sub>	YJV <sub>32</sub>	YJLV <sub>32</sub>	铜 Cu	铝 Al	铜芯 Cu	铝芯 Al	铜芯 Cu	铝芯 Al
				(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
4×1.5	0.7	0.2	0.8	1.8	1.8	1.8	11	14	14	154	117	250	213	342	305	12.1	-	27	-	20	-
4×2.5	0.7	0.2	0.8	1.8	1.8	1.8	12	15	15	203	141	307	245	409	347	7.41	12.1	35	27	26	20
4×4	0.7	0.2	1.25	1.8	1.8	1.8	13	16	17	272	173	385	286	619	520	4.61	7.41	45	36	34	27
4×6	0.7	0.2	1.25	1.8	1.8	1.8	14	17	19	361	213	484	336	739	592	3.08	4.61	57	46	43	35
4×10	0.7	0.2	1.25	1.8	1.8	1.8	17	20	22	544	299	690	445	996	751	1.83	3.08	77	59	60	47
4×16	0.7	0.2	1.6	1.8	1.8	1.8	20	22	25	798	406	963	570	1447	1054	1.15	1.91	105	80	83	64
4×25	0.9	0.2	1.6	1.8	1.8	1.8	24	26	29	1198	584	1393	779	1982	1368	0.727	1.20	125	100	105	82
4×35	0.9	0.2	1.6	1.8	1.8	1.9	26	29	31	1594	736	1809	952	2459	1602	0.524	0.868	155	120	125	100
4×50	1.0	0.2	2.0	1.9	1.9	2.1	30	33	36	2157	971	2410	1224	3390	2204	0.387	0.641	185	145	160	125
4×70	1.1	0.2	2.0	2.0	2.1	2.2	35	38	41	3013	1323	3306	1616	4464	2774	0.268	0.443	225	175	200	155
4×95	1.1	0.5	2.0	2.1	2.3	2.3	39	44	46	4062	1726	4843	2506	5732	3396	0.193	0.320	270	210	245	200
4×120	1.2	0.5	2.5	2.3	2.4	2.5	44	48	51	5074	2132	5932	2990	7347	4405	0.153	0.253	310	240	285	220
4×150	1.4	0.5	2.5	2.4	2.6	2.7	49	54	57	6291	2642	7260	3611	8832	5183	0.124	0.206	345	270	325	250
4×185	1.6	0.5	2.5	2.6	2.7	2.8	54	59	62	7795	3252	8858	4314	10595	6052	0.0991	0.164	390	305	375	295
4×240	1.7	0.5	2.5	2.8	2.9	3.0	60	65	69	10117	4159	11306	5347	13222	7264	0.0754	0.125	450	355	440	345
4×300	1.8	0.5	2.5	3.0	3.1	3.2	67	72	75	12557	5097	13862	6402	15965	8505	0.0601	0.100	515	400	505	395
4×400	2.0	0.5	3.15	3.3	3.4	3.6	75	80	85	16116	6509	17583	7975	20923	11315	0.047	0.0778	588	459	586	467
4×500	2.2	0.8	3.15	3.5	3.7	3.8	84	90	94	20490	8202	23002	10715	25840	13552	0.0366	0.0605	666	526	680	544



0.6/1kV五芯等截面交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kV Five-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section	绝缘 标称 厚度 Nom. Insulation Thickness	铠装 钢带 厚度 Hickness of Steel Tape	铠装 钢丝 直径 Tickness of Steel Wire	护套标称厚度 Nom.Sheath Thickness			电缆外径 (理论计算值) Dia.of Cable (By calculation)			电缆重量(非阻燃型) 近似值 Cable Weight (Approx)						20°C导体最大直流电阻 Max.D.C. Resistance of Conductor at 20°C		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)			
				(mm)			(mm)			(kg/km)						(Ω/km)		土壤敷设 Direct in Ground		空气敷设 Run in Air	
				YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV	YJLV	YJV <sub>22</sub>	YJLV <sub>22</sub>	YJV <sub>32</sub>	YJLV <sub>32</sub>	铜 Cu	铝 Al	铜芯 Cu	铝芯 Al	铜芯 Cu	铝芯 Al
5×1.5	0.7	0.2	0.8	1.8	1.8	1.8	12	14	15	181	130	216	166	370	319	12.1	-	27	-	20	-
5×2.5	0.7	0.2	1.25	1.8	1.8	1.8	13	15	17	240	163	277	200	563	485	7.41	12.1	35	27	26	20
5×4	0.7	0.2	1.25	1.8	1.8	1.8	14	16	18	325	202	364	240	679	556	4.61	7.41	45	36	34	27
5×6	0.7	0.2	1.25	1.8	1.8	1.8	16	18	19	435	251	475	291	821	637	3.08	4.61	57	46	43	35
5×10	0.7	0.2	1.6	1.8	1.8	1.8	19	21	23	661	355	704	398	1257	951	1.83	3.08	77	59	60	47
5×16	0.7	0.2	1.6	1.8	1.8	1.8	22	24	26	976	485	1019	628	1654	1163	1.15	1.91	105	80	83	64
5×25	0.9	0.2	1.6	1.8	1.8	1.9	26	28	31	1471	704	1524	757	2303	1535	0.727	1.20	125	100	105	82
5×35	0.9	0.2	2.0	1.9	2.0	2.1	29	31	34	1974	902	2034	962	3148	2076	0.524	0.868	155	120	125	100
5×50	1.0	0.5	2.0	2.0	2.2	2.2	33	37	39	2687	1205	2825	1343	4077	2595	0.387	0.641	185	145	160	125
5×70	1.1	0.5	2.5	2.2	2.3	2.4	39	43	46	3752	1640	3903	1791	5753	3651	0.268	0.443	225	175	200	155
5×95	1.1	0.5	2.5	2.4	2.5	2.6	44	48	51	5070	2149	5233	2313	7299	4378	0.193	0.320	270	210	245	200
5×120	1.2	0.5	2.5	2.5	2.6	2.7	49	53	56	6347	2669	6532	2854	8839	5161	0.153	0.253	310	240	285	220
5×150	1.4	0.5	2.5	2.7	2.8	2.9	54	58	61	7847	3285	8045	3483	1059E	6036	0.124	0.206	345	270	325	250
5×185	1.6	0.5	2.5	2.9	3.0	3.1	60	64	67	9725	4046	9938	4258	1273E	7057	0.0991	0.164	390	305	375	295
5×240	1.7	0.5	3.15	3.1	3.2	3.4	67	71	76	12631	5183	12863	5415	1688~	9435	0.0754	0.125	450	355	440	345
5×300	1.8	0.5	3.15	3.3	3.5	3.6	74	78	83	15686	6361	15936	6611	20347	11022	0.0601	0.1000	515	400	505	395
5×400	2.0	0.8	3.15	3.7	3.8	3.9	84	89	92	20133	8123	20486	6477	25406	13397	0.047	0.0778	588	459	586	467
5×500	2.2	0.8	3.15	4.0	4.1	4.2	94	99	102	25598	10239	25980	10621	31418	16059	0.0366	0.0605	666	526	680	544

0.6/1kV3+1芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kV (3+1)-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section	绝缘 标称 厚度 Nom. Insulation Thickness	铠装 钢带 厚度 Hickness of Steel Tape	铠装 钢丝 直径 Tickness of Steel Wire	护套标称厚度 Nom.Sheath Thickness			电缆外径 (理论计算值) Dia.of Cable (By calculation)			电缆重量(非阻燃型) 近似值 Cable Weight (Approx)						20°C导体最大直流电阻 Max.D.C. Resistance of Conductor at 20°C		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)			
				(mm)			(mm)			(kg/km)						(Ω/km)		土壤敷设 Direct in Ground		空气敷设 Run in Air	
				YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV	YJLV	YJV <sub>22</sub>	YJLV <sub>22</sub>	YJV <sub>32</sub>	YJLV <sub>32</sub>	铜 Cu	铝 Al	铜芯 Cu	铝芯 Al	铜芯 Cu	铝芯 Al
3×15+ 1×10	0.7	0.2	0.8	1.8	1.8	1.8	11	14	14	148	-	243	-	336	-	12.1	-	27	-	20	-
3×25+ 1×15	0.7	0.2	0.8	1.8	1.8	1.8	12	14	15	191	135	293	237	392	336	7.41	12.1	35	27	26	20
3×4+ 1×25	0.7	0.2	1.25	1.8	1.8	1.8	13	15	17	255	165	365	276	591	501	4.61	7.41	45	36	34	27
3×6+ 1×4	0.7	0.2	1.25	1.8	1.8	1.8	14	17	18	338	203	459	324	706	571	3.08	4.61	57	46	43	35
3×10+ 1×6	0.7	0.2	1.25	1.8	1.8	1.8	17	19	21	498	277	638	417	928	708	1.83	3.08	77	59	60	47
3×16+ 1×10	0.7	0.2	1.6	1.8	1.8	1.8	19	22	24	732	376	892	536	1365	1009	1.15	1.91	105	80	83	64
3×25+ 1×16	0.9	0.2	1.6	1.8	1.8	1.8	23	25	28	1097	539	1285	726	1847	1289	0.727	1.20	125	100	105	82
3×35+ 1×16	0.9	0.2	1.6	1.8	1.8	1.8	25	27	30	1392	651	1594	853	2199	1457	0.524	0.868	155	120	125	100
3×50+ 1×25	1.0	0.2	1.6	1.8	1.9	2.0	28	31	34	1910	867	2150	1107	2852	1809	0.387	0.641	185	145	160	125
3×70+ 1×35	1.1	0.2	2.0	1.9	2.0	2.1	33	36	39	50	1168	2925	1443	3992	2510	0.268	0.443	225	175	200	155
3×95+ 1×50	1.1	0.5	2.0	2.1	2.2	2.3	37	42	44	3579	1530	4316	2267	5139	3090	0.193	0.32	270	210	245	200
3×120+ 1×70	1.2	0.5	2.5	2.2	2.3	2.4	41	46	49	4550	1921	5368	2740	6736	4107	0.153	0.253	310	240	285	220
3×150+ 1×70	1.4	0.5	2.5	2.3	2.5	2.6	45	50	53	5442	2283	6326	3167	7801	4642	0.124	0.206	345	270	325	250
3×185+ 1×95	1.6	0.5	2.5	2.5	2.6	2.7	50	55	58	6849	2858	7846	3655	9476	5485	0.0991	0.164	390	305	375	295
3×240+ 1×120	1.7	0.5	2.5	2.7	2.8	2.9	56	61	65	8838	3633	9949	4745	11767	6563	0.0754	0.125	450	355	440	345
3×300+ 1×150	1.8	0.5	2.5	2.9	3.0	3.1	62	67	70	10964	4457	12185	5678	14155	7848	0.0601	0.100	515	400	505	395
3×400+ 1×185	2.0	0.5	3.15	3.1	3.3	3.4	70	75	79	13997	5655	15362	7021	18463	10122	0.047	0.0778	588	459	586	467
3×500+ 1×240	2.2	0.5	3.15	3.4	3.5	3.6	78	83	88	17850	7145	19371	8665	22859	12153	0.0366	0.0605	666	526	680	544



0.6/1kV 3+2芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

0.6/1kV (3+2)-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 标称 厚度 Nom. Insulation Thickness (mm)	铠装 带厚 度 hickness of Steel Tape (mm)	铠装 钢丝 直径 Tickness of Steel Wire (mm)	护套标称厚度 Nom. Sheath Thickness (mm)			电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)						电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)						20℃导体最大 直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)			
				YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV YJLV	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	铜 Cu	铝 Al	铜芯 Cu	铝芯 Al	铜芯 Cu	铝芯 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air				
																					铜	铝	铜芯	铝芯
3×15+ 2×10	0.7	0.2	0.8	1.8	1.8	1.8	11	14	14	166	126	203	163	353	312	12.1	-	27	-	20	-			
	0.7															18.1	-							
3×25+ 2×15	0.7	0.2	1.25	1.8	1.8	1.8	12	15	16	215	150	253	187	528	463	7.41	12.1	35	27	26	20			
	0.7															12.1	18.1							
3×4+ 2×25	0.7	0.2	1.25	1.8	1.8	1.8	14	16	17	290	184	329	224	634	529	4.61	7.41	45	36	34	27			
	0.7															7.41	12.1							
3×6+ 2×4	0.7	0.2	1.25	1.8	1.8	1.8	15	17	19	389	229	430	270	766	606	3.08	4.61	57	46	43	35			
	0.7															4.61	7.41							
3×10+ 2×6	0.7	0.2	1.6	1.8	1.8	1.8	17	20	22	568	311	611	354	1131	874	1.83	3.08	77	59	60	47			
	0.7															3.08	4.61							
3×16+ 2×10	0.7	0.2	1.6	1.8	1.8	1.8	21	22	25	850	434	893	476	1494	1078	1.15	1.91	105	80	83	64			
	0.7															1.83	3.08							
3×25+ 2×16	0.9	0.2	1.6	1.8	1.8	1.875	24	26	29	1271	614	1317	660	2044	1387	0.727	1.20	125	100	105	82			
	0.7															1.15	1.91							
3×35+ 2×16	0.9	0.2	1.6	1.8	1.9	1.9	26	28	30	1564	724	1618	778	2396	1556	0.524	0.868	155	120	125	100			
	0.7															1.15	1.91							
3×50+ 2×25	1.0	0.2	2.0	1.9	2.0	2.1	30	32	36	2194	998	2256	1059	3423	2227	0.387	0.641	185	145	160	125			
	0.9															0.727	1.20							
3×70+ 2×35	1.1	0.5	2.0	2.1	2.2	2.3	35	39	41	3030	1334	3172	1476	4476	2780	0.268	0.443	225	175	200	155			
	0.9															0.524	0.868							
3×95+ 2×50	1.1	0.5	2.5	2.2	2.4	2.5	40	44	47	4105	1760	4259	1913	6160	3815	0.193	0.320	270	210	245	200			
	1.0															0.387	0.641							
3×120+ 2×70	1.2	0.5	2.5	2.4	2.5	2.6	45	49	52	5283	2232	5448	2398	7554	4504	0.153	0.253	310	240	285	220			
	1.1															0.263	0.443							
3×150+ 2×70	1.4	0.5	2.5	2.5	2.6	2.7	48	52	55	6189	2608	6373	2791	8639	5058	0.124	0.206	345	270	325	250			
	1.1															0.263	0.443							
3×185+ 2×95	1.6	0.5	2.5	2.7	2.8	2.9	54	57	61	7842	3267	8039	3464	10551	5976	0.0991	0.164	390	305	375	295			
	1.1															0.193	0.320							
3×240+ 2×120	1.7	0.5	2.5	2.9	3.0	3.1	60	64	67	10080	4141	10293	4354	13092	7152	0.0754	0.125	450	355	440	345			
	1.2															0.153	0.253							
3×300+ 2×150	1.8	0.5	3.15	3.1	3.2	3.4	66	70	75	12506	5087	12736	5317	16692	9272	0.0601	0.100	515	400	505	395			
	1.4															0.124	0.206							
3×400+ 2×185	2.0	0.5	3.15	3.3	3.5	3.6	74	78	83	15906	6429	16156	6679	20568	11091	0.0470	0.0778	588	459	586	467			
	1.6															0.0991	0.164							
3×500+ 2×240	2.2	0.8	3.15	3.6	3.8	3.9	83	88	92	20336	8141	20686	8491	25541	13346	0.0366	0.0605	666	526	680	544			
	1.7															0.0754	0.125							

6/6、6/10kV 单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 标称 厚度 Nom. Insulation Thickness (mm)	铠装 带厚 度 hickness of Steel Tape (mm)	铠装 钢丝 直径 Tickness of Steel Wire (mm)	护套标称厚度 Nom. Sheath Thickness (mm)	电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)	电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)	20℃导体最大 直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)	电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)	
								土壤敷设 Direct in Ground	空气敷设 Run in Air
1×25	3.4	0.2	4.0	1.6	4.0	1.6	1.20	120	130
								165	155
1×35	3.4	0.2	4.0	1.6	4.0	1.6	0.868	190	190
								205	205
1×50	3.4	0.2	4.0	1.6	4.0	1.6	0.641	225	245
								245	245
1×70	3.4	0.2	4.0	1.6	4.0	1.6	0.443	275	305
								305	305
1×95	3.4	0.2	4.0	1.6	4.0	1.6	0.320	330	370
								370	370
1×120	3.4	0.2	4.0	1.6	4.0	1.6	0.253	375	430
								430	430
1×150	3.4	0.2	4.0	1.6	4.0	1.6	0.206	425	490
								490	490
1×185	3.4	0.2	4.0	1.6	4.0	1.6	0.164	480	560
								560	560
1×240	3.4	0.5	4.0	2.0	4.0	2.0	0.125	555	665
								665	665
1×300	3.4	0.5	4.0	2.0	4.0	2.0	0.100	630	765
								765	765
1×400	3.4	0.5	4.0	2.5	4.0	2.5	0.0778	725	890
								890	890
1×500	3.4	0.5	4.0	2.5	4.0	2.5	0.0605	825	1080
								1080	1080
1×630	3.4	0.5	4.0	2.5	4.0	2.5	0.0469	940	1190
								1190	1190
1×800	3.4	0.5	4.0	2.5	4.0	2.5	0.0221	1050	1370
								1370	1370



6/6、6/10kV Three-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 厚度 Nom. Thickness of Insulation Tape (mm)	铝带 厚度 Thickness of Steel Tape (mm)	铝装 钢丝 直径 Thickness of Steel Wire (mm)	护套标称厚度 Nom. Sheath Thickness (mm)		电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)						20℃导体最 大直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)		电荷载流量 (扁形排列; 相邻间距 等于电缆外径) Current Rating (A)							
				YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	铜 Cu	铝 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air							
3×25	3.4	0.5	2.5	2.4	2.5	2.6	40	45	49	53	1880	1421	2853	2393	4192	3743	5719	5260	0.727	1.20	120	120	90
3×35	3.4	0.5	2.5	2.4	2.5	2.7	43	48	51	56	2283	1641	3308	2667	4693	4063	6355	5714	0.524	0.868	155	140	110
3×50	3.4	0.5	2.5	2.4	2.5	2.8	46	51	54	59	2865	1978	3886	3099	5483	4608	7179	6292	0.387	0.641	180	140	130
3×70	3.4	0.5	2.5	2.7	2.8	2.9	50	55	58	63	3595	2331	4838	3573	6471	5221	8264	7000	0.268	0.443	220	170	165
3×95	3.4	0.5	2.5	2.8	2.9	3.0	54	59	62	67	4528	2780	5864	4115	7598	5866	9552	7803	0.193	0.320	265	210	200
3×120	3.4	0.5	2.5	2.9	3.0	3.1	57	63	66	70	5331	3127	6775	4571	8617	6431	10598	8394	0.153	0.253	300	235	225
3×150	3.4	0.5	2.5	3.0	3.1	3.2	60	66	69	73	6288	3564	7820	5086	9774	7060	11809	9075	0.124	0.206	340	260	255
3×185	3.4	0.5	2.5	3.1	3.2	3.4	64	69	73	76	7490	4086	9131	5727	11190	7808	13350	9946	0.0991	0.164	380	300	295
3×240	3.4	0.5	3.15	3.3	3.5	3.5	69	75	80	82	9877	4913	11192	6728	14355	9916	15712	11249	0.0754	0.125	435	345	345
3×300	3.4	0.5	3.15	3.5	3.6	3.7	75	81	85	87	11204	5615	13198	7609	16595	11033	17912	12323	0.0601	0.1000	485	390	390
3×400	3.4	0.8	3.15	3.7	3.9	3.9	81	89	92	94	13934	6736	17012	9814	19821	12655	21235	14037	0.047	0.0778	558	446	445
3×500	3.4	0.8	3.15	3.9	4.1	4.1	89	97	102	102	17394	8187	20807	11600	25448	16241	25448	16241	0.0366	0.0605	635	513	518
3×630	3.4	0.8	3.15	4.2	4.3	4.4	97	106	111	111	21756	9871	25580	13695	30625	18739	30625	18739	0.0283	0.0469	723	588	608

8.7/10、8.7/15kV单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

8.7/10、8.7/15kV Single-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 厚度 Nom. Thickness of Insulation Tape (mm)	铝带 厚度 Thickness of Steel Tape (mm)	铝装 钢丝 直径 Thickness of Steel Wire (mm)	护套标称厚度 Nom. Sheath Thickness (mm)		电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)						20℃导体最 大直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)		电荷载流量 (扁形排列; 相邻间距 等于电缆外径) Current Rating (A)								
				YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	铜 Cu	铝 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air								
1×25	4.5	0.2	1.6	1.7	1.8	1.9	21	23	26	29	36	689	536	988	885	1581	1428	3144	2991	0.727	1.20	160	120	130
1×35	4.5	0.2	1.6	1.7	1.8	1.9	21	24	27	30	37	812	598	1121	907	1743	1530	3382	3169	0.524	0.868	190	145	155
1×50	4.5	0.2	1.6	1.7	1.9	1.9	22	25	29	31	38	680	680	1301	1006	1949	1633	3665	3370	0.387	0.641	225	175	190
1×70	4.5	0.2	2.0	1.8	1.9	2.0	22	27	30	34	40	1216	795	1565	1144	2408	2078	4030	3609	0.268	0.443	275	215	235
1×95	4.5	0.2	2.0	1.9	2.0	2.1	23	29	32	36	42	1509	927	1880	1298	2881	2299	4447	3865	0.193	0.320	330	255	290
1×120	4.5	0.2	2.0	1.9	2.0	2.1	23	30	34	37	43	1779	1046	2168	1435	3213	2479	4838	4104	0.153	0.253	375	290	335
1×150	4.5	0.2	2.0	2.0	2.1	2.2	24	32	35	39	45	2083	1173	2491	1581	3573	2668	5262	4352	0.124	0.206	425	330	380
1×185	4.5	0.5	2.0	2.0	2.2	2.2	24	33	38	40	46	2461	1328	3186	2035	4018	2885	5762	4629	0.0991	0.164	480	370	435
1×240	4.5	0.5	2.0	2.1	2.2	2.3	25	36	41	43	49	3060	1574	3837	2551	4737	3252	6596	5110	0.0754	0.125	555	435	515
1×300	4.5	0.5	2.5	2.2	2.3	2.4	26	38	43	46	51	3680	1820	4529	2669	5878	4018	7450	5590	0.0601	0.1000	630	490	595
1×400	4.5	0.5	2.5	2.3	2.4	2.5	27	41	46	50	54	4568	2172	5481	3086	6951	4555	8580	6184	0.047	0.0778	725	565	695
1×500	4.5	0.5	2.5	2.4	2.5	2.6	28	45	50	53	58	5683	2619	6698	3634	8276	5212	10044	6980	0.0366	0.0605	825	650	810
1×630	4.5	0.5	2.5	2.5	2.6	2.7	29	49	54	57	62	7114	3159	8212	4256	9890	5944	11727	7772	0.0283	0.0469	940	745	950
1×800	4.5	0.5	2.5	2.6	2.8	2.9	30	53	58	62	66	8859	3859	10076	5105	11905	7329	13829	9400	0.0221	0.0400	1050	810	1170



8.7/10,8.7/15kV三芯交联聚乙烯绝缘聚氯乙烯护套电力电缆  
8.7/10、8.7/15kV Three-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 厚度 Nom. Thickness of Insulation (mm)	铝装 钢带 厚度 Thickness of Steel Tape (mm)	铝装 钢丝 直径 Thickness of Steel Wire (mm)	护套标称厚度 Nom.Sheath Thickness (mm)		电缆外径 (理论计算值) Dia.of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)								20℃导体最 大直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)								
				YJV YJLV	YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>12</sub> YJLV <sub>12</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>12</sub> YJLV <sub>12</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	铜 Cu	铝 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air							
3×25	4.5	0.5	2.5	4.0	2.4	2.5	2.6	2.8	46	51	54	59	2257	1797	3377	2918	4873	4427	6570	6110	0.727	1.20	125	100	120	90
3×35	4.5	0.5	2.5	4.0	2.5	2.6	2.7	2.9	48	53	56	61	2689	2048	3864	3222	5446	4818	7257	6595	0.524	0.868	155	120	140	110
3×50	4.5	0.5	2.5	4.0	2.6	2.7	2.8	3.0	51	56	60	64	3206	2318	4479	3592	6133	5261	7994	7106	0.387	0.641	180	140	165	130
3×70	4.5	0.5	2.5	4.0	2.7	2.8	2.9	3.1	55	60	64	68	4002	2738	5371	4106	7164	5916	9145	7880	0.268	0.443	220	170	210	165
3×95	4.5	0.5	2.5	4.0	2.8	3.0	3.1	3.2	59	65	68	72	4954	3206	6449	4700	8340	6610	10349	8600	0.193	0.320	265	210	255	200
3×120	4.5	0.5	2.5	4.0	2.9	3.1	3.2	3.3	62	68	71	75	5774	3570	7382	5178	9381	7198	11515	9311	0.153	0.253	300	235	290	225
3×150	4.5	0.5	3.15	4.0	3.0	3.2	3.3	3.4	65	71	76	78	6765	4081	8452	5718	11417	8706	12749	10015	0.124	0.206	340	260	330	255
3×185	4.5	0.5	3.15	4.0	3.1	3.3	3.5	3.5	69	75	80	82	8010	4606	9821	6417	12923	9544	14241	10837	0.0991	0.164	380	300	375	295
3×240	4.5	0.5	3.15	4.0	3.3	3.5	3.6	3.7	74	81	85	87	9778	5314	11768	7304	15167	10731	16485	12021	0.0754	0.125	435	345	435	345
3×300	4.5	0.8	3.15	4.0	3.4	3.7	3.8	3.8	80	88	91	93	11751	6162	14779	9190	17557	12000	18932	13343	0.0601	0.1000	485	390	495	390
3×400	4.5	0.8	4.0	4.0	3.7	3.9	4.1	4.1	87	95	100	100	14497	7299	17816	10618	22316	15118	22316	15118	0.047	0.0778	558	446	569	445
3×500	4.5	0.8	4.0	4.0	3.9	4.1	4.3	4.3	94	103	108	108	18028	8821	21688	12481	26605	17396	26605	17396	0.0366	0.0605	635	513	659	518
3×630	4.5	0.8	4.0	4.0	4.1	4.4	4.5	4.5	103	111	116	116	22436	10551	26516	14630	31637	19952	31837	19952	0.0283	0.0469	723	588	761	608

21/35kV单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆  
21/35kV Single-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 厚度 Nom. Thickness of Insulation (mm)	铝装 钢带 厚度 Thickness of Steel Tape (mm)	铝装 钢丝 直径 Thickness of Steel Wire (mm)	护套标称厚度 Nom.Sheath Thickness (mm)		电缆外径 (理论计算值) Dia.of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)								20℃导体最 大直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)								
				YJV <sub>42</sub> YJLV <sub>42</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>12</sub> YJLV <sub>12</sub>	YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>42</sub> YJLV <sub>42</sub>	铜 Cu	铝 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air												
1×50	9.3	0.5	2.0	4.0	2.1	2.2	2.3	2.5	37	42	44	50	1613	1318	2415	2120	3324	3029	5265	4970	0.387	0.641	225	175	245	190
1×70	9.3	0.5	2.0	4.0	2.1	2.3	2.4	2.6	39	44	46	52	1889	1468	2729	2308	3689	3268	5665	5244	0.268	0.443	275	215	305	235
1×95	9.3	0.5	2.5	4.0	2.2	2.4	2.5	2.6	41	46	49	54	2216	1634	3117	2535	4553	3971	6219	5637	0.193	0.320	330	255	370	285
1×120	9.3	0.5	2.5	4.0	2.2	2.4	2.5	2.7	42	47	50	55	2514	1781	3447	2713	4943	4209	6637	5904	0.153	0.253	375	290	425	330
1×150	9.3	0.5	2.5	4.0	2.3	2.4	2.6	2.7	44	49	52	57	2847	1937	3810	2901	5327	4417	7090	6180	0.124	0.206	420	325	485	375
1×185	9.3	0.5	2.5	4.0	2.3	2.5	2.6	2.8	45	51	54	58	3255	2122	4278	3145	5890	4758	7620	6487	0.0991	0.164	475	370	555	430
1×240	9.3	0.5	2.5	4.0	2.4	2.6	2.7	2.8	48	53	56	61	3902	2416	4980	3494	6638	5153	8502	7017	0.0754	0.125	555	430	650	505
1×300	9.3	0.5	2.5	4.0	2.5	2.7	2.8	2.9	50	56	59	63	4507	2710	5727	3867	7472	5612	9302	7442	0.0601	0.1000	630	490	745	580
1×400	9.3	0.5	2.5	4.0	2.6	2.8	2.9	3.0	53	59	62	66	5516	3121	6742	4346	8606	6210	10594	8198	0.047	0.0778	720	565	870	680
1×500	9.3	0.5	2.5	4.0	2.7	2.9	3.0	3.1	57	62	65	69	6658	3594	7986	4921	9964	6900	11979	8914	0.0366	0.0605	825	645	1000	790
1×630	9.3	0.5	2.5	4.0	2.8	3.0	3.1	3.2	60	66	69	73	8156	4201	9689	5614	11657	7701	13727	9771	0.0283	0.0469	940	740	1160	920
1×800	9.3	0.5	2.5	4.0	2.9	3.1	3.2	3.4	65	70	74	77	9977	5118	11518	6148	13748	8194	15904	10608	0.0221	0.0366	1060	845	1330	1060



21/35kV 三芯交联聚乙烯绝缘聚氯乙烯护套电力电缆  
21/35kV Three-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 标称 厚度 Nom. Insulation Thickness (mm)	铠装 钢带 厚度 Thickness of Steel Tape (mm)	铠装 钢丝 直径 Thickness of Steel Wire (mm)		护套标称厚度 Nom. Sheath Thickness (mm)		电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)										20℃导体最大 直流电阻 Max.D.C. Resistance of Conductor at 20℃ (Ω/km)		电缆载流量 (扁平形排列; 相邻间距 等于电缆外径) Current Rating(A)					
			YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>23</sub> YJLV <sub>23</sub>	YJV <sub>33</sub> YJLV <sub>33</sub>	YJV <sub>24</sub> YJLV <sub>24</sub>	YJV <sub>34</sub> YJLV <sub>34</sub>	YJV <sub>25</sub> YJLV <sub>25</sub>	YJV <sub>35</sub> YJLV <sub>35</sub>	YJV <sub>26</sub> YJLV <sub>26</sub>	YJV <sub>36</sub> YJLV <sub>36</sub>	YJV <sub>27</sub> YJLV <sub>27</sub>	YJV <sub>37</sub> YJLV <sub>37</sub>	YJV <sub>28</sub> YJLV <sub>28</sub>	YJV <sub>38</sub> YJLV <sub>38</sub>	铜 Cu	铝 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air						
3×50	9.3	0.5	3.15	4.0	3.3	3.5	3.6	3.7	77	83	88	90	5506	4618	7571	6683	11051	10164	12449	11561	0.387	0.641	180	140	165	130
3×70	9.3	0.8	3.15	4.0	3.4	3.6	3.7	3.8	81	89	92	94	6305	5085	9432	8167	12234	10969	13648	12383	0.268	0.443	220	170	210	165
3×95	9.3	0.8	4.0	4.0	3.5	3.8	3.9	3.9	85	93	98	98	7391	5643	10614	8865	15043	13294	15043	13294	0.193	0.320	265	210	255	196
3×120	9.3	0.8	4.0	4.0	3.6	3.9	4.0	4.0	88	96	101	101	8304	6100	11693	9489	16244	14040	16244	14040	0.153	0.253	300	235	286	221
3×150	9.3	0.8	4.0	4.0	3.7	4.0	4.2	4.2	92	100	105	105	9382	6648	12940	10206	17717	14983	17717	14983	0.124	0.206	336	256	326	251
3×185	9.3	0.8	4.0	4.0	3.8	4.1	4.3	4.3	95	103	108	108	10628	7224	14313	10910	19212	15808	19212	15808	0.0991	0.164	376	300	371	291
3×240	9.3	0.8	4.0	4.0	4.0	4.3	4.4	4.4	101	109	114	114	12666	8202	16612	12148	21781	17317	21781	17317	0.0754	0.125	435	341	425	338
3×300	9.3	0.8	4.0	4.0	4.2	4.4	4.6	4.6	106	114	119	119	14756	9167	18949	13360	24402	18813	24402	18813	0.0601	0.1000	485	390	482	380
3×400	9.3	0.8	4.0	4.0	4.4	4.7	-	-	112	121	-	-	17713	10515	22222	15024	-	-	-	-	0.047	0.0778	554	446	556	435

26/35kV 单芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

26/35kV Single-Core XLPE Insulated PVC Sheathed Power Cables

芯数 × 截面 Core × Cross Section (mm <sup>2</sup> )	绝缘 标称 厚度 Nom. Insulation Thickness (mm)	铠装 钢带 厚度 Thickness of Steel Tape (mm)	铠装 钢丝 直径 Thickness of Steel Wire (mm)		护套标称厚度 Nom. Sheath Thickness (mm)		电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)										20℃导体最大 直流电阻 Max.D.C. Resistance of Conductor at 20 ℃ (Ω/km)		电缆载流量 (扁平形排列; 相邻间距等于 电缆外径) Current Rating(A)					
			YJV <sub>22</sub> YJLV <sub>22</sub>	YJV <sub>32</sub> YJLV <sub>32</sub>	YJV <sub>23</sub> YJLV <sub>23</sub>	YJV <sub>33</sub> YJLV <sub>33</sub>	YJV <sub>24</sub> YJLV <sub>24</sub>	YJV <sub>34</sub> YJLV <sub>34</sub>	YJV <sub>25</sub> YJLV <sub>25</sub>	YJV <sub>35</sub> YJLV <sub>35</sub>	YJV <sub>26</sub> YJLV <sub>26</sub>	YJV <sub>36</sub> YJLV <sub>36</sub>	YJV <sub>27</sub> YJLV <sub>27</sub>	YJV <sub>37</sub> YJLV <sub>37</sub>	YJV <sub>28</sub> YJLV <sub>28</sub>	YJV <sub>38</sub> YJLV <sub>38</sub>	铜 Cu	铝 Al	土壤敷设 Direct in Ground	空气敷设 Run in Air						
1×50	10.5	0.5	2.5	4.0	2.2	2.3	2.4	2.6	40	45	48	53	1786	1491	2667	2571	4076	3780	5675	5380	0.387	0.641	225	175	245	190
1×70	10.5	0.5	2.5	4.0	2.2	2.4	2.5	2.6	42	47	50	54	2070	1649	2989	2563	4453	4082	6082	5662	0.268	0.443	275	215	305	235
1×95	10.5	0.5	2.5	4.0	2.3	2.4	2.5	2.7	43	48	52	56	2404	1822	3361	2780	4832	4300	6644	6062	0.193	0.320	330	255	370	285
1×120	10.5	0.5	2.5	4.0	2.3	2.5	2.6	2.7	45	50	53	58	2709	1975	3723	2990	5301	4568	7069	6336	0.153	0.253	375	290	425	330
1×150	10.5	0.5	2.5	4.0	2.4	2.5	2.6	2.8	46	52	55	59	3048	2138	4094	3184	5732	4822	7528	6618	0.124	0.206	420	325	485	375
1×185	10.5	0.5	2.5	4.0	2.4	2.6	2.7	2.8	48	53	56	61	3462	2329	4543	3410	6240	5107	8085	6932	0.0991	0.164	475	370	555	430
1×240	10.5	0.5	2.5	4.0	2.5	2.7	2.8	2.9	51	56	59	63	4123	2637	5288	3802	7068	5582	8962	7476	0.0754	0.125	555	430	650	505
1×300	10.5	0.5	2.5	4.0	2.6	2.8	2.9	3.0	53	58	62	66	4798	2938	6014	4154	7843	5983	9767	7907	0.0601	0.1000	630	490	745	580
1×400	10.5	0.5	2.5	4.0	2.7	2.9	3.0	3.1	56	62	65	69	5758	3362	7073	4678	9019	6623	10969	8574	0.047	0.0778	720	565	870	680
1×300	10.5	0.5	2.5	4.0	2.8	3.0	3.1	3.2	59	65	68	72	6913	3849	8300	5236	10863	7299	12470	9406	0.0366	0.0605	825	645	1000	790
1×630	10.5	0.5	2.5	4.0	2.9	3.1	3.2	3.3	63	69	72	76	8427	4471	9834	5979	12104	8148	14234	10279	0.0283	0.0469	940	740	1160	920
1×800	10.5	0.5	2.5	4.0	3.0	3.2	3.4	3.4	67	73	78	80	10264	-	11904	-	15130	-	16429	-	0.0221	-	1060	845	1330	1000



26/35kV Three-Core XLPE Insulated PVC Sheathed Power Cables

26/35kV 三芯交联聚乙烯绝缘聚氯乙烯护套电力电缆

芯数 × 截面 Core Cross Section (mm <sup>2</sup> )	绝缘 标称 厚度 Nom. Installation Thickness (mm)	铝装 钢带 厚度 Thickness of Steel Tape (mm)	铝装 钢丝 直径 Thickness of Steel Wire (mm)	护套标称厚度 Nom Sheath Thickness (mm)		电缆外径 (理论计算值) Dia. of Cable (By calculation) (mm)		电缆重量(非阻燃型) 近似值 Cable Weight (Approx) (kg/km)		20℃导体最大 直流电阻 Max. D.C. Resistance of Conductor at 20 ℃ (Ω/km)		电荷载流量 (扁形排列相间距等于 电缆外径) Current Rating(A)	
				YJV <sub>42</sub> YJV <sub>32</sub>	YJV <sub>22</sub> YJV <sub>23</sub>	YJV <sub>42</sub> YJV <sub>32</sub>	YJV <sub>22</sub> YJV <sub>23</sub>	YJV <sub>42</sub> YJV <sub>32</sub>	YJV <sub>22</sub> YJV <sub>23</sub>	YJV <sub>42</sub> YJV <sub>32</sub>	YJV <sub>22</sub> YJV <sub>23</sub>	铜芯 Cu	铝芯 Al
3×50	10.5	0.8	4.0	3.7	3.9	91	96	83.29	0.387	0.641	180	130	
3×70	10.5	0.8	4.0	3.8	4.0	95	100	90.55	0.268	0.443	220	165	
3×95	10.5	0.8	4.0	3.9	4.1	99	104	98.02	0.193	0.320	265	196	
3×120	10.5	0.8	4.0	4.1	4.2	102	107	104.51	0.153	0.253	300	221	
3×150	10.5	0.8	4.0	4.2	4.3	106	111	111.93	0.124	0.206	336	251	
3×185	10.5	0.8	4.0	4.3	4.5	109	114	119.22	0.0991	0.164	376	291	
3×240	10.5	0.8	4.0	4.5	4.6	115	120	132.00	0.0754	0.125	435	338	
3×300	10.5	0.8	4.0	4.6	4.6	120	-	144.53	0.0601	0.100	485	380	

## 布线用聚氯乙烯绝缘电缆电线

### THE CLOTH LINE USES PVC INSULATED CABLE AND WIRE

本产品适用于交流额定电压450/750V及以下配线路中作连接布线。

This product is applicable on the distribution of Ac and rated voltage below 450/750V with the use for wiring.

#### 一、执行标准

GB/T5023-2008额定电压450/750V及以下聚氯乙烯绝缘电缆;  
JB/T8734-2016额定电压450/750V及以下聚氯乙烯绝缘电缆电线和软线。

#### 1. The product carries out the standard

GB/T5023-2008 PVC insulates cables voltages up to and including 450/750V;  
JB/T8734-2016 PVC insulates cables wire and Soft line voltages up to and including 450/750V.

#### 二、电缆使用特性

导体最高工作温度70℃和90℃两种。

#### 2. Characteristic of use

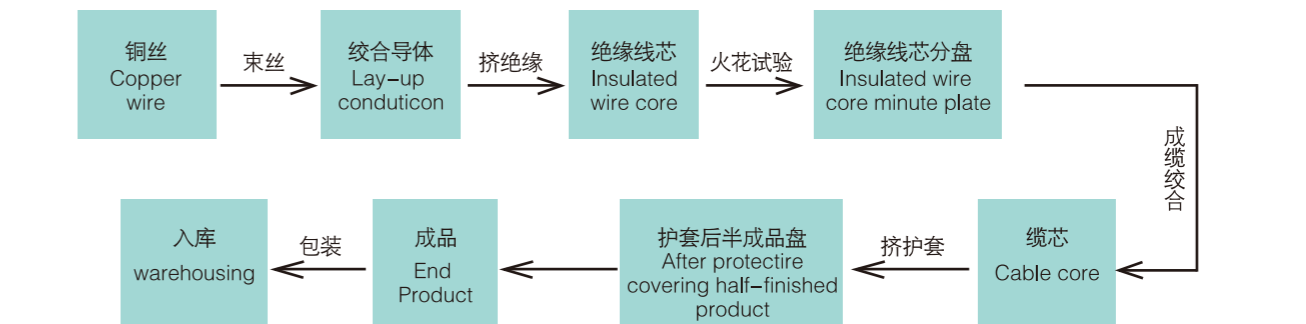
The maximum temperature of the cable conductor is 70℃ and 90℃.

#### 三、聚氯乙烯绝缘软电缆电线工艺流程

轻型、普通型聚氯乙烯护套软线:

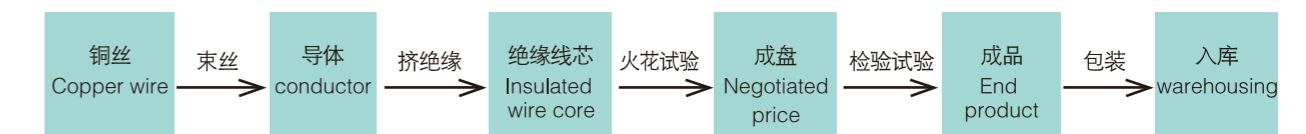
#### 3. Soft PVC insulated wire cable process

Light popular polyvinyl-chloride protective covering flexible cord



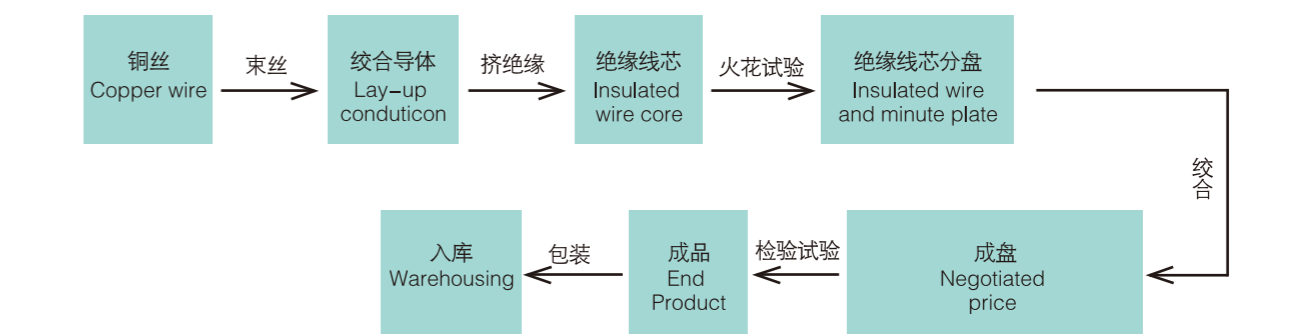
聚氯乙烯绝缘扁型无护套软线:

The poly vinyl-chloride insulated the flat non-protective covering flexible cord



铜芯聚氯乙烯绝缘绞型连接用软线:

The copper core poly\_vinyl\_chloride insulation twists the connection to use the flexible cord





#### 四. 电缆型号及名称

450/750及以下聚氯乙烯绝缘电缆(线)的型号、名称

#### 4. Type and Designation of cable

Type and Description of cable

型号 Type	名称 Designation	芯数 Core number	截面mm <sup>2</sup> Area	电压 V Voltages	执行标准 Standard
60227IEC01 (BV)	一般用途单芯硬导体无护套电缆 Single-core hard drawn non-sheathed cable	1	1.5~400	450/750	GB/T5023.3
60227IEC02 (RV)	一般用途单芯软导体无护套电缆 Single-core soft drawn non-sheathed cable	1	1.5~240	450/750	
60227IEC05 (BV)	内部布线用导体温度为70℃的单芯实心导体无护套电缆 Single-core solid conductor drawn non sheathed cable for internal wiring is 70 °C	1	0.5~1.0	300/500	
60227IEC06 (RV)	内部布线用导体温度为70℃的单芯软导体无护套电缆 Single-core solid drawn non sheathed cable for internal wiring is 70 °C	1	0.5~1.0	300/500	
60227IEC07 (BV-90)	内部布线用导体温度为90℃的单芯实心导体无护套电缆 Single-core solid conductor drawn non sheathed cable for internal wiring is 90 °C	1	0.5~2.5	300/500	
60227IEC52 (RVV)	轻型聚氯乙烯护套软线 Light PVC sheathed soft wires	2、3	0.5~0.75	300/300	GB/T5023.5
60227IEC53 (RVV)	普通聚氯乙烯护套软线 Ordinary PVC sheathed soft wires	2~5	0.75~2.5	300/500	
BV	铜芯聚氯乙烯绝缘电线 Cu-core PVC insulated wires	1	0.75~1.0	300/500	JB8734.2
BLV	铝芯聚氯乙烯绝缘电线 Al-core PVC insulated wires	1	2.5~400	450/750	
BVR	铜芯聚氯乙烯绝缘软电线 Cu-core PVC insulated soft wires	1	2.5~70	450/750	
BVV	铜芯聚氯乙烯绝缘和护套圆型电缆 Cu-core PVC insulated and sheathed circle type wires	1	0.75~10	300/500	JB8734.2
BLVV	铝芯聚氯乙烯绝缘和护套圆型电缆 Al-core PVC insulated and sheathed circle type wires	1	2.5~10	300/500	
BVVB	铜芯聚氯乙烯绝缘和护套扁型电缆 Cu-core PVC insulated and sheathed Flat type cable	2、3	0.75~10	300/500	
BLVVB	铝芯聚氯乙烯绝缘和护套扁型电缆 Al-core PVC insulated and sheathed Flat type cable	2、3	2.5~10	300/500	
RLVVB	铜芯聚氯乙烯绝缘和护套屏蔽软电缆 Cu-core PVC insulated and sheathed the Metallic shielded soft cable	1~24	0.08~25	300/500	

#### 五. 电缆的主要技术性能

- 1、导体直流电阻:软导体符合表P230。
- 2、电缆的绝缘电阻: 见后表。
- 3、工频交流耐压试验: 电缆浸入20℃水中一小时, 施加电压;  
U<sub>0</sub>为300V电缆, 加2000V电压, 持续时间5min, 绝缘不击穿;  
U<sub>0</sub>为450V电缆, 加2500V电压, 持续时间5min, 绝缘不击穿。

#### 5. Main technique function of the cable

- 1、Conductor DC resistances: hard Conductor see table 1-2; soft Conductor see table P230.
- 2、Insulate resistance of cable: see table after.
- 3、AC voltage experiments: Cable 20℃ water into 1h, infliction voltage;  
Cable U<sub>0</sub> is 300V. Infliction 2000V voltage 5min. Insulate to de not broke through.  
Cable U<sub>0</sub> is 450V. Infliction 2500V voltage 5min. Insulate to de not broke through.

#### 电缆长期运行允许载流量:见附录A

电缆的综合数据: 见后表

一般用途单芯硬导体无护套电缆60227 IEC01(BV)  
450/750综合数据

#### Cable current-carrying capacity: See Appendix A

Synthesize the data of cable: see table after

Synthesize the data of single-core hard drawn non-sheathed cable

导体标称截面 Nominal Area mm <sup>2</sup>	导体种类 Conductor category	绝缘标称厚度 Insulate thickness mm	电缆最大外径 Biggest Diameter mm	70℃最小绝缘电阻 Least insulates resistance MΩ · km
1.5	1	0.7	3.3	0.011
	2	0.7	3.4	0.010
2.5	1	0.8	3.9	0.010
	2	0.8	4.2	0.009
4	1	0.8	4.4	0.0085
	2	0.8	4.8	0.0077
6	1	0.8	4.9	0.0070
	2	0.8	5.4	0.0065
10	1	1.0	6.4	0.0070
	2	1.0	6.8	0.0065
16	2	1.0	8.0	0.0050
25	2	1.2	9.8	0.0050
35	2	1.2	11.0	0.0040
50	2	1.4	13.0	0.0045
70	2	1.4	15.0	0.0035
95	2	1.6	17.0	0.0035
120	2	1.6	19.0	0.0032
150	2	1.8	21.0	0.0032
185	2	2.0	23.5	0.0032
240	2	2.2	26.5	0.0032
300	2	2.4	29.5	0.0030
400	2	2.6	33.5	0.0028

注:  
1类导体为单根实心导体,  
2类导体为多根绞合导体,  
下同:

Note:  
1 conductor is a solid conductor.  
2 conductors wiring to match the conductor for many  
rool.the bottom is together below too such.



一般用途单芯软导体无护套电缆60227 IEC02(RV) 450/750综合数据

Synthesize the data of single-core soft drawn non-sheathed cable

导体标称截面 Nominal Area mm <sup>2</sup>	绝缘标称厚度 Insulate thickness mm	电缆最大外径 Biggest Diameter mm	70°C最小绝缘电阻 Least insulates resistance MΩ · km
1.5	0.7	3.5	0.010
2.5	0.8	4.2	0.009
4	0.8	4.8	0.007
6	0.8	6.3	0.006
10	1.0	7.6	0.0056
16	1.0	8.8	0.0046
25	1.2	11.0	0.0044
35	1.2	12.5	0.0038
50	1.4	14.5	0.0037
70	1.4	17.0	0.0032
95	1.6	19.0	0.0032
120	1.6	21.0	0.0029
150	1.8	23.5	0.0029
185	2.0	26.0	0.0029
240	2.2	29.5	0.0028

内部布线用70°C单芯实心导体无护套电缆60227IEC05 (BV)300/500V综合数据

Synthesize the data of single-core solid conductor drawn non sheathed cable for internal wiring is 70°C

导体标称截面 Nominal Area mm <sup>2</sup>	绝缘标称厚度 Insulate thickness mm	电缆最大外径 Biggest Diameter mm	70°C最小绝缘电阻 Least insulates resistance MΩ · km
0.5	0.6	2.3	0.015
0.75	0.6	2.5	0.012
1	0.6	2.7	0.011

内部布线用70°C单芯软导体无护套电缆60227IEC06 (RV)300/500V综合数据

Synthesize the data of single-core soft drawn non sheathed cable for internal wiring is 70°C

导体标称截面 Nominal Area mm <sup>2</sup>	绝缘标称厚度 Insulate thickness mm	电缆最大外径 Biggest Diameter mm	70°C最小绝缘电阻 Least insulates resistance MΩ · km
1.5	0.6	2.6	0.013
2.5	0.6	2.8	0.011
4	0.6	3.0	0.010

轻型聚氯乙烯护套软线60227IEC52 (RVV)300/300综合数据

Synthesize the data of light PVC sheathed soft wires

导体标称截面 Nominal Area mm <sup>2</sup>	绝缘厚度 Insulate thickness mm	护套厚度 Coat thickness mm	最大外径 Biggest Diameter mm	70°C最小绝缘电阻 Least insulates resistance MΩ · km
2×0.5	0.5	0.6	6.0或3.6×6.0	0.012
2×0.75	0.5	0.6	6.4或9×6.4	0.010
3×0.5	0.5	0.6	6.2	0.012
3×0.75	0.5	0.6	6.8	0.010

普通聚氯乙烯护套软线60227IEC53 (RVV)300/500综合数据

Synthesize the data of ordinary PVC sheathed soft wires

导体标称截面 Nominal Area mm <sup>2</sup>	绝缘厚度 Insulate thickness mm	护套厚度 Coat thickness mm	最大外径 Biggest Diameter mm	70°C最小绝缘电阻 Least insulates resistance MΩ · km
2×0.75	0.6	0.8	7.6	0.011
			或5.2×7.6	
2×1.0	0.6	0.8	8.0	0.010
2×1.5	0.7	0.8	9.0	0.010
2×2.5	0.8	1.0	11.0	0.009
3×0.75	0.6	0.8	8.0	0.011
3×1.0	0.6	0.8	8.4	0.010
3×1.5	0.7	0.9	9.8	0.010
3×2.5	0.8	1.0	12.0	0.009
4×0.75	0.6	0.8	8.6	0.011
4×1.0	0.6	0.9	9.4	0.010
4×1.5	0.7	1.0	11.0	0.010
4×2.5	0.8	1.1	13.0	0.009
5×0.75	0.6	0.9	9.6	0.011
5×1.0	0.6	0.9	10.0	0.010
5×1.5	0.7	1.1	12.0	0.010
5×2.5	0.8	1.2	14.0	0.009

BV型300/500V铜芯聚氯乙烯绝缘电线

BV300/500V Cu-core PVC insulate wires

导体标称截面 Nominal Area mm <sup>2</sup>	导体单线根数 Single line number of conductor	绝缘厚度 Insulate thickness mm	最大外径 Biggest Diameter mm	70°C最小绝缘电阻 Least insulates resistance MΩ · km
0.75	7	0.6	2.6	0.014
1.0	7	0.6	2.8	0.013



BLV型450/750V铝芯聚氯乙烯绝缘电缆

BLV 450/750V Al-core PVC insulate cable

导体标称截面 Nominal Area mm <sup>2</sup>	导体最少根数 Minimal number in conductor	绝缘厚度 Insulate thickness mm	最大外径 Biggest Diameter mm	70℃最小绝缘电阻 Least insulates resistance MΩ · km
2.5	1	0.8	3.9	0.010
4	1	0.8	4.4	0.0085
6	1	0.8	5.0	0.0070
10	7	1.0	6.7	0.0065
16	7	1.0	7.8	0.0050
25	7	1.2	9.7	0.0050
35	7	1.2	10.9	0.0040
50	19	1.4	12.8	0.0045
70	19	1.4	14.6	0.0035
95	19	1.6	17.1	0.0035
120	37	1.6	18.8	0.0032
150	37	1.5	20.9	0.0032
185	37	2.0	23.3	0.0032
240	61	2.2	26.6	0.0032
300	61	2.4	29.6	0.0030
400	61	2.6	33.2	0.0028

BVV、BLVV型450/750V铜芯和铝芯聚氯乙烯绝缘和护套  
电缆

BVV、BLVV 450/750V Cu-core and Al-core PVC  
insulate and sheathed cable

导体标称截面 Nominal Area mm <sup>2</sup>		导体最少根数 Minimal number in conductor	厚度 Thickness mm		最大外径 Biggest Diameter mm	70℃最小绝缘电阻 Least insulates resistance MΩ · km
铜 Cu	铝 Al		绝缘 Insulate	护套 Sheated		
0.75	/	1	0.6	0.8	4.4	0.012
1.0	/	1	0.6	0.8	4.5	0.011
1.5	/	1	0.7	0.8	5.0	0.011
1.5	/	7	0.7	0.8	5.2	0.010
2.5	2.5	1	0.8	0.8	5.7	0.010
2.5	/	7	0.8	0.8	5.9	0.009
4	4	1	0.8	0.9	6.5	0.0085
4	/	7	0.8	0.9	6.8	0.0077
6	6	1	0.8	0.9	7.1	0.0070
6	/	7	0.8	0.9	7.3	0.0065
10	10	7	1.0	0.9	8.8	0.0065

## 通用橡套软电缆

### GENERAL-PURPOSE SOFT RUBBER SHEATH CABLE

本产品适用于交流额定电压450/750V及以下移动  
式电气设备、电动工具及家用电器的电源连接。

一、产品执行标准：

GB/T5013.4-2008额定电压450/750V及以下橡皮绝  
缘电缆。

JB/T8735.2-2016额定电压450/750V及以下橡皮绝  
缘电缆电线和软线。

二、产品的型号、名称及主要用途：

橡皮绝缘电缆的型号、名称及主要用途

It is used for household electrical appliances  
electrical tools and various mobile electrical  
equipments of AC rated voltage 450/750V or lower.

**1. The product carries out the standard:**

GB/T5013.4-2008 Rubber insulates cables  
voltages up to and including 450/750V

JB/T8735.2-2016 Rubber insulates cables wire  
and Soft line voltages up to and including 450/750V

**2. Description & application of the product.**

Type, description & application of Rubber  
insulates cables

	名称 Description	主要用途 Main use	执行标准 Standard		
60245IEC51 (RX)	橡皮绝缘编织软线	适用于各种移动电气设备和工具 Be applicable to power supply conjunction of ambulation electric appliances equipments and tool	GB/T5013.4		
	Weave soft cable rubber insulates				
	普通强度橡套软线				
Common strength rubber soft line					
60245IEC57 (YZW)	普通弹性体橡套软线				
	Common flexibility rubber soft line				
60245IEC66 (YZW)	重型弹性体橡套软电缆				
	Heavy type flexibility rubber soft cable				
YQ、YQW	轻型橡套软电缆			用于各种电器、电动工具和 移动电气设备连接 Be applicable to power supply conjunction of ambulation electric appliances equipments and tool	JB/T8735.2
	Light type rubber soft cable				
YZ、YZW	中型橡套软电缆				
	Medium-type rubber soft cable				
YZB、YZWB	中型橡套扁型软电缆				
	Medium-type rubber flat type soft cable				
YC、YCW	重型橡套软电缆				
	Heavy-type rubber flat type soft cable				

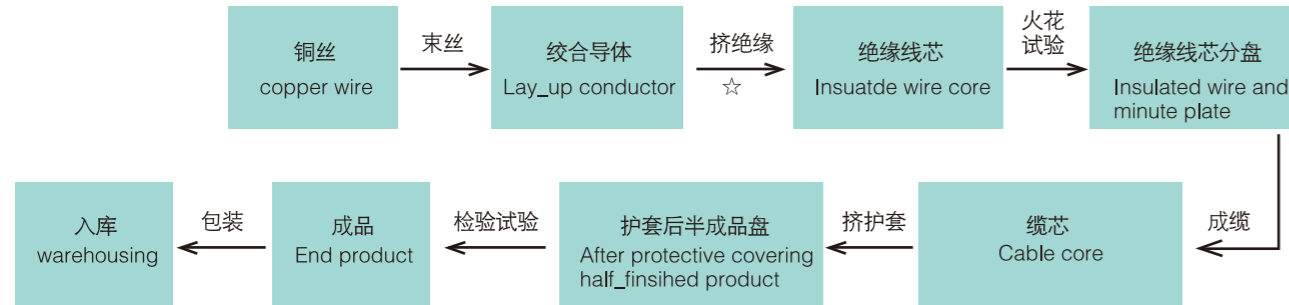
注：型号后带W的电缆具有耐候性和一定的耐油性能。

Note: -W type cable can bear the weather and  
certain degree of bear the oil.



通用橡胶软电缆电线工艺流程:

Tough rubber sheathed flexible cables and wires for general purposes production technical process



注: ☆为质量控制点

### 三、电缆的规格范围:

### 3.The specification scope of the cable:

橡皮绝缘电缆的规格范围:

The specification scope of the rubber cable

电缆型号 Type	U <sub>0</sub> /U V	导体类型 Conductor type	导体最高温度℃ Conductor tallest temper ature	芯数 Cores umber	标称截面mm <sup>2</sup> Nominal Area	执行标准 Standard
60245IEC51(RX)	300/300	5	60	2、3	0.75~1.5	GB/T5013.4
60245IEC53(YZ)	300/500	5	60	2~5	0.75~2.5	
60245IEC57(YZW)	300/500	5	60			
60245IEC66(YCW)	450/750	5	60	1~5	1.5~25	
YQ、YQW	300/300	5	60	2、3	0.3、0.5	JB/T8735.2
YZ、YZW	300/500	5	60	2、3、4、5、	4、6	
				3+1	1.5~6	
				6	0.75~6	
YZB、YZWB	300/500	5	60	2~6	0.75~6	
YC	450/750	5	60	1	1.5~400	
				2	1.5~95	
				3、4	1.5~150	
				5	1.5~25	
				3+1	25~150	
YCW	450/750	5	60	2	35~95	
				3	120~150	
				3+1	2.5~150	

### 四.电缆的主要技术性能

### 4.The main technique function of the cable

- 1)电缆导体直流电阻符合下表规定;
- 2)电缆通过的耐压试验符合下表规定。

- 1)Cable conductorDC resistance see the following table;
- 2)Cable pass the voltage experiments of following table provision.

电缆试验电压和试验时间 ( 20℃ ± 5℃ )

Cable experiment voltage and experiment time (20℃ ± 5℃)

额定电压 Rates voltage(V)	300/300	300/500	450/750
试验电压 AC Experiment voltage(V)	2000	2000	2500
试验时间 Experiment time(min)	5	5	5

电缆的铜芯5类软导体单丝最大直径和20℃时最大直流电阻:

Cu-core 5 type soft conductor single silk biggest diameter and biggest DC resistances in 20℃ of cable

标称截面mm <sup>2</sup> Nominal Area	0.5	0.75	1	1.5	2.5	4	6
单丝最大直径 mm silk biggest diameter	0.21	0.21	0.21	0.26	0.26	0.31	0.31
电阻 Ω/km resistances	无镀层No tin-plated	39.0	26.0	19.5	13.3	7.98	4.95
	有镀层Tin-plated	40.1	26.7	20.0	13.7	8.21	5.09
标称截面mm <sup>2</sup> Nominal Area	10	16	25	35	50	70	95
单丝最大直径 mm silk biggest diameter	0.41	0.41	0.41	0.41	0.41	0.51	0.51
电阻 Ω/km Resistan	无镀层No tin-plated	1.91	1.21	0.780	0.554	0.386	0.272
	有镀层Tin-plated	1.95	1.24	0.795	0.565	0.393	0.277
标称截面mm <sup>2</sup> Nominal Area	120	150	185	240	300	400	500
单丝最大直径 mm silk biggest diameter	0.51	0.51	0.51	0.51	0.51	0.51	0.61
电阻 Ω/km Resistan	无镀层No tin-plated	0.161	0.129	0.106	0.0801	0.0641	0.0495
	有镀层Tin-plated	1.164	0.132	0.108	0.0817	0.0654	0.0495

### 五.电缆近似尺寸及参考重量

### 5.Approsimate size and approsimate weight of the cable

60245 IEC 51(RX)300/500V型编织橡胶软线近似尺寸及参考重量

Approximate size and approximate weight of 60245 IEC 51(RX) 300/300V

规格 Specification	绝缘厚度mm Insulate thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
2 × 0.75	0.8	5.8	52
2 × 1	0.8	6.2	61
2 × 1.5	0.8	6.8	77
3 × 0.75	0.8	6.2	63
3 × 1	0.8	6.6	73
3 × 1.5	0.8	7.2	92





60245 IEC 53(YZ)及57(YZW) 300/500V型橡胶套软电缆近似尺寸及参考重量

Approximate size and approximate weight of 60245 IEC 53(YZ) or 57(YZW)300/300V

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
2×0.75	0.6	0.8	8.2	97
2×1	0.6	0.9	8.8	113
2×1.5	0.8	1.0	10.5	162
2×2.5	0.9	1.1	12.5	234
3×0.75	0.6	0.9	8.8	115
3×1	0.6	0.9	9.2	128
3×1.5	0.8	1.0	11.0	184
3×2.5	0.9	1.1	13.0	263
4×0.75	0.6	0.9	9.6	138
4×1	0.6	0.9	10.0	154
4×1.5	0.8	1.1	12.5	239
4×2.5	0.9	1.2	14.0	312
5×0.75	0.6	1.0	11.0	180
5×1	0.6	1.0	11.5	202
5×1.5	0.8	1.1	13.5	281
5×2.5	0.9	1.3	15.5	383

60245 IEC 66(YCW)450/750V型单芯橡胶套软电缆近似尺寸及参考重量

Approximate size and approximate weight of 60245 IEC 66(YCW) 450/750V

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
1×1.5	0.8	1.4	7.2	77
1×2.5	0.9	1.4	8.0	98
1×4	1.0	1.5	9.0	128
1×6	1.0	1.6	11.0	192
1×10	1.2	1.8	12.5	259
1×16	1.2	1.9	14.5	361
1×25	1.4	2.0	16.5	489
1×35	1.4	2.2	18.5	632
1×50	1.6	2.4	21.0	839
1×70	1.6	2.6	23.5	1087
1×95	1.8	2.8	26.0	1378
1×120	1.8	3.0	28.5	1684
1×150	2.0	3.2	31.5	2075
1×185	2.2	3.4	34.5	2514
1×240	2.4	3.5	38.0	3128
1×300	2.6	3.6	41.5	3800
1×400	2.8	3.8	46.5	4887

YQ、YQW 300/300V轻型橡胶套软电缆近似尺寸及参考重量

Approximate size and approximate weight of YQ、YQW 300/300V light-type rubber soft cable

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
2×0.3	0.5	0.7	5.8	48
2×0.5	0.5	0.7	6.4	60
3×0.3	0.5	0.7	6.1	55
3×0.5	0.5	0.7	6.7	68



YZ、YZW 300/500V 中型橡胶套软电缆近似尺寸及参考重量

Approximate size and approximate weight of YZ、YZW 300/500V medium-type rubber soft cable

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
2×4	1.0	1.2	13.7	291
2×6	1.0	1.3	15.1	364
3×4	1.0	1.2	14.5	341
3×6	1.0	1.3	16.1	436
4×4	1.0	1.3	16.2	430
4×6	1.0	1.4	17.9	548
3×1.5+1×1.0	0.8/0.6	1.1	11.2	195
3×2.5+1×1.5	0.9/0.8	1.2	13.3	281
3×4+1×2.5	1.0/0.9	1.3	15.7	402
3×6+1×4	1.0/1.0	1.4	17.5	519
5×4	1.0	1.4	17.9	528
5×6	1.0	1.6	20.0	684
6×0.75	0.6	1.0	10.7	175
6×1.0	0.6	1.1	11.5	207
6×1.5	0.8	1.2	14.0	307
6×2.5	0.9	1.4	16.9	456
6×4	1.0	1.5	19.8	643
6×6	1.0	1.7	22.1	832

YZB、YZWB 300/500V 中型橡胶套扁型软电缆近似尺寸及参考重量

YZB、YZWB 300/500V medium-type rubber flat type soft cable approximate size and approximate weight

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
2×0.75	0.6	0.8	4.9×7.8	72
2×1.0	0.6	0.9	5.3×8.4	86
2×1.5	0.8	1.0	6.3×10.2	124





续表

Continuously form

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
2×2.5	0.9	1.1	7.3×12.0	174
2×4	1.0	1.2	8.5×14.1	244
2×6	1.0	1.3	9.3×15.5	305
3×0.75	0.6	0.9	5.1×11.0	107
3×1.0	0.6	0.9	5.3×11.6	120
3×1.5	0.8	1.0	6.3×14.1	174
3×2.5	0.9	1.1	7.3×16.7	245
3×4	1.0	1.2	8.5×19.7	345
3×6	1.0	1.3	9.3×21.7	433
4×0.75	0.6	0.9	5.1×14.0	136
4×1.0	0.6	0.9	5.3×14.7	152
4×1.5	0.8	1.0	6.6×18.3	235
4×2.5	0.9	1.2	7.6×21.6	329
4×4	1.0	1.3	8.7×25.5	457
4×6	1.0	1.4	9.6×28.1	579
5×0.75	0.6	1.0	5.4×17.2	177
5×1.0	0.6	1.0	5.5×18.1	194
5×1.5	0.8	1.1	6.6×22.2	287
5×2.5	0.9	1.3	7.8×26.6	415
5×4	1.0	1.4	9.0×31.3	579
5×6	1.0	1.6	10.0×34.8	742
6×0.75	0.6	1.0	5.4×20.1	207
6×1.0	0.6	1.1	5.8×21.4	241
6×1.5	0.8	1.2	6.8×26.4	350
6×2.5	0.9	1.4	8.1×31.5	509
6×4	1.0	1.5	9.2×37.2	702
6×6	1.0	1.7	10.3×41.2	901

YC、YCW 450/750V重型橡胶套软单芯电缆近似尺寸及参考重量

YC、YCW 450/750V heavy-type rubber cable approximate size and approximate weight

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
1×1.5	0.8	1.4	7.1	71
1×2.5	0.9	1.4	7.9	91
1×4	1.0	1.5	9.0	122
1×6	1.0	1.6	9.8	151
1×10	1.2	1.8	11.9	228
1×16	1.2	1.9	13.4	306
1×25	1.4	2.0	15.8	439
1×35	1.4	2.2	17.9	578
1×50	1.6	2.4	20.6	783
1×70	1.6	2.6	23.3	1032
1×95	1.8	2.8	26	1324
1×120	1.8	3.0	28.6	1628
1×150	2.0	3.2	31.4	1989
1×185	2.2	3.4	34.4	2412
1×240	2.4	3.5	38.3	3043
1×300	2.6	3.6	41.9	3706
1×400	2.8	3.8	46.8	4752

YC、YCW 450/750V重型橡胶套软3+1、5芯电缆近似尺寸及参考重量

YC、YCW 450/750V heavy-type rubber cable approximate size and approximate weight

规格 Specification	绝缘厚度mm Insulate thickness	护套厚度mm Coat thickness	参考外径mm Approximate size	参考重量kg/km Approximate weight
3×2.5+1×1.5	0.9/0.8	2.0	15.2	335
3×4+1×2.5	1.0/0.9	2.0	17.4	453
3×6+1×4	1.0/1.0	2.2	19.4	583
3×10+1×6	1.2/1.0	3.0	24.6	940
3×16+1×6	1.2/1.0	3.5	28.3	1276
3×25+1×10	1.4/1.2	4.0	34.4	1912
3×35+1×10	1.4/1.2	4.0	37.3	2323
3×50+1×16	1.6/1.2	5.0	44.7	3340
3×70+1×25	1.6/1.4	5.0	49.8	4291
3×95+1×35	1.8/1.4	5.0	55.1	5414
3×120+1×35	1.8/1.4	5.0	58.8	6318
3×150+1×50	2.0/1.6	5.0	64.5	7726
5×1.5	0.8	1.8	14.4	298
5×2.5	0.9	2.0	17.0	426
5×4	1.0	2.2	19.9	597
5×6	1.0	2.5	22.2	769
5×10	1.2	3.6	29.1	1314
5×16	1.2	3.9	33.3	1793
5×25	1.4	4.4	40.4	2675

## 六.电缆供货长度:

成圈电缆100m, 成盘电缆大于100m, 短段电缆不小于10m, 短段电缆的交货数量不超过交货总长度10%, 且每个包装件不超过五段;

根据双方协议允许任何长度的电缆交货;  
长度误差为±0.5%。

## 6.The cable provides the goods length:

The length of the cable in coil should be 100m, and that on drum should be more than 100m. The length of pieces of shorter (no shorter than 10m each) should be no more than 10% of the total length package;

It depends on final both agreements with length error allowance no more than ±0.5%.



## 修正系数 CORRECTION

不同环境温度下载流量修正系数

Rating Factors for Variation of Ambient Temperature

导体工作温度 Conductor operating temp	环境温度 (°C) (空气中) Ambient temp (intalled in air)									
	°C	10	15	20	25	30	35	40	45	50
70		1.41	1.35	1.29	1.22	1.15	1.08	1.00	0.91	0.81

导体工作温度 Conductor operating temp	环境温度 (°C) (空气中) Ambient temp (intalled in air)						
	°C	10	15	20	25	30	35
70		1.15	1.11	1.05	1.00	0.94	0.88

工作温度 Operating temperature (°C)	空气温度 Air temperature (°C)									土壤温度 Soil temperature (°C)					
	10	15	20	25	30	35	40	45	50	10	15	20	25	30	35
90	1.26	1.22	1.18	1.14	1.09	1.04	1.00	0.94	0.89	1.11	1.07	1.04	1.00	0.96	0.92

不同土壤热阻系数的载流量修正系数

Rating Factors for Variation in Soil Thermal Resistivity

电压 Voltage designation	截面 Area	土壤热用系数Pr (°C·m/w) Soil thermal resistivity				
		0.8	1.0	1.2	1.5	2.0
(kV)	(mm <sup>2</sup> )					
0.6/1~6/6	≤35	1.06	1.00	0.95	0.88	0.80
	50~150	1.08	1.00	0.94	0.87	0.77
	≥185	1.09	1.00	0.93	0.85	0.76

注: 本修正系数为对土壤热阻系数Pr=1.0 (°C·m/w) 载流量的修正系数。

Note: The rating factors of the table are based on the assumption that the soil thermal resistivity Pr=1.0°C·m/w.

电压 Rated Voltage	截面范围 Scope of cross-sections	土壤热用系数Pr(°C·m/w) Soil thermal resistivity				
		0.8	1.0	1.2	1.5	2.0
(kV)	(mm <sup>2</sup> )					
0.6/1~6/6	≤35	1.06	1.00	0.95	0.88	0.80
	50~150	1.08	1.00	0.94	0.87	0.77
	≥185	1.09	1.00	0.93	0.85	0.76
6/10~12/15	≤35	1.05	1.00	0.95	0.89	0.80
	50~150	1.06	1.00	0.94	0.88	0.79
	≥185	1.07	1.00	0.93	0.86	0.77
12/20~26/35	≤95	1.05	1.00	0.95	0.90	0.82
	≥120	1.06	1.20	0.94	0.83	0.80

电缆在空气中多根并列敷设时的载流量修正系数

Rating factors of current of parallel installation of cables in air

敷设根数 Lengths installed	排列 Arrangement	S=d	S=2d	S=3d
1		1.00	1.00	1.00
2		0.90	1.00	1.00
3		0.85	1.00	1.00
4		0.82	0.95	0.98
5		0.80	0.90	1.00
6		0.80	0.90	0.96
7		0.75	0.90	0.96

注:d等于电缆外径

Note: d=overall diameter of cable



# 电力电缆缆芯截面选择

## POWER CABLE CORE CROSS-SECTION OF CABLE CHOICE

摘自：强制性国家标准GB50217-94（电力工程电缆设计规范）  
Extracted from: Compulsory National Standard GB50217-94 (Electric Power Engineering Cable Design Code)

### 一、电力电缆缆芯选择的基本要求

#### 一、Basic Requirements for Section Selection of Power Cable Core

1、电缆导体最大工作电流作用下的缆芯温度，不得超过按电缆使用寿命确定的允许值，持续工作回路的缆芯工作温度应符合表C-1规定：

1、The core temperature of the cable conductor under the maximum working current shall not exceed the allowable value determined by the service life of the cable. The core working temperature of the continuous working circuit shall conform to Table C-1:

表C-1电力电缆最高允许温度

Table C-1 Maximum Permissible Temperature of Power Cable

电缆类型 Cable type	电压(kV) Voltage(kV)	最高允许温度(°C) Maximum permissible temperature(°C)	
		额定负荷时 At rated load	短路时 Short circuit
交联聚乙烯绝缘 Crosslinked Polyethylene Insulation	10kV及以下 10KV and below	90	250
	10kV以上 More than 10KV	80	
聚氯乙烯绝缘 Polyvinyl chloride insulation	/	70	160

2、最大短路电流作用时间产生的热效应，应满足热稳定条件。对非熔断器保护的回路，满足热稳定条件可按短路电流作用下缆芯温度不超过上表所列数值。

2、The action time of the maximum short circuit current should satisfy the thermal stability condition. For non-fuse protected circuits, the core temperature can not exceed the values listed in the table above under the action of short-circuit current to meet the thermal stability conditions.

(1) 连接回路在最大工作电流作用下的电压降，不得超过该回路允许值。

(1) The voltage drop of the connecting circuit under the action of the maximum working current shall not exceed the allowable value of the circuit.

(2) 较长距离的大电流回路或35KV以上的高压电缆，当符合上述条款时，宜选择经济截面，可按“年费用支出最小”原则。

(2) When the long distance high current circuit or high voltage cable above 35KV conforms to the above clauses, the economic section should be chosen, and the principle of "minimum annual expenditure" should be followed.

二、对10KV及以下常用电缆按持续工作电流确定允许最小缆芯截面时，宜满足附录A电缆允许载流量，以及由附录B按下述使用条例差异影响计入校正系数所确定的允许载流量。

二、When determining the allowable minimum core section for common cables of 10KV and below according to the continuous working current, the allowable carrying capacity of Appendix A cables should be satisfied, and the allowable carrying capacity determined by the correction coefficient calculated by Appendix B according to the difference influence of the following usage regulations.

1、环境温度差异

1、Ambient temperature difference

2、直埋敷设时土壤热阻系数差异

2、Difference of Thermal Resistance Coefficient of Soil in Direct Buried Laying

3、电缆多根并列的影响

3、The influence of multiple cables in parallel

4、户外架空敷设无遮阳时的日照影响

4、Sunshine effect of outdoor overhead laying without shade

三、其他情况下，电缆按持续工作电流确定允许最小缆芯截面时，计算内容或参数选择应符合下列规定：

三、In other cases, when the minimum allowable core section is determined by the continuous working current of the cable, the calculation content or parameter selection shall comply with the following requirements:

1、中频供电回路使用非同轴电缆，应计入非工频情况下集肤效应和邻近效应增大损耗发热的影响。

1、Non-coaxial cables are used in intermediate frequency power supply circuit, and skin effect and proximity effect should be taken into account to increase loss and heat generation in non-power frequency cases.

2、单芯高压电缆以交叉互联接地，当单元系统中三个区段不等长时，应计入金属护层的附加损耗发热影响。

2、Single-core high-voltage cable should be grounded cross-connected. When the three sections of the unit system are unequal in length, the additional loss and heating effect of the metal sheath should be taken into account.

3、敷设在塑料保护管中的电缆，应计入热阻影响，排管中不同孔位的电缆还应分别计入互热因素的影响。

3、Cables laid in plastic protective pipes should be taken into account the influence of thermal resistance, and cables with different holes in the pipes should also be taken into account the influence of mutual heat factors.

4、敷设于封闭，半封闭或透气式耐火槽盒中的电缆，应计入包含该型材质及其盒体厚度，尺寸等因素对热阻增大的影响。

4、Cables laid in enclosed, semi-enclosed or ventilated refractory groove boxes shall be taken into account the effects of material, thickness and size of the box on the increase of thermal resistance.

5、施加在电缆上的防火涂料，包带等覆盖厚度大于1.5mm时，应计入其热阻影响。

5、The effect of thermal resistance should be taken into account when the thickness of fire-retardant coating applied to cables is greater than 1.5 mm.

6、沟内电缆埋砂且无经常性水分补充时，应按砂质情况选取大于 $2.0^{\circ}\text{C}\cdot\text{m/w}$ 的热阻系数计入对电缆热阻增大的影响。

6、When burying sand in trench and replenishing water regularly, the thermal resistance coefficient greater than  $2.0^{\circ}\text{C}\cdot\text{m/w}$  should be selected according to the sand quality, and the influence on the increase of thermal resistance of cable should be taken into account.

四、缆芯工作温度大于 $70^{\circ}\text{C}$ 的电缆，计算持续载流量时，尚应符合下列规定：

四、When calculating the continuous current carrying capacity of cables whose core working temperature is over  $70^{\circ}\text{C}$ , the following requirements shall be met:

1、数量较多的该类电缆敷设在未装机械通风的隧道，竖井时，应计入对环境温升的影响。

1、When a large number of such cables are laid in tunnels without mechanical ventilation, the influence of ambient temperature rise should be taken into account in the shaft.

2、电缆直埋敷设在干燥或潮湿土壤中，除实施换土处理等能避免水分适宜的情况外，土壤热阻系数宜选取不小于 $2.0^{\circ}\text{C}\cdot\text{m/w}$ 。

2、When cable is directly buried in dry or wet soil, the soil thermal resistance coefficient should not be less than  $2.0^{\circ}\text{C}\cdot\text{m/w}$ .



五、确定电缆持续允许载流量的环境温度，应按使用地区的气象温度多年平均值，并计入实际环境的温度影响，宜符合表2-C的规定：

五、 To determine the ambient temperature of the cable's continuous allowable carrying capacity, the meteorological temperature in the use area should be averaged over many years, and the influence of temperature in the actual environment should be taken into account. It should be in accordance with the provisions of Table 2-C.

表C-2电缆持续允许载流量的环境温度确定温度

Table C-2 Environmental Temperature Determination Temperature for Continuous Permissible Carrier Flow of Cable

电缆敷设场所 Cable laying place	有无机械通风 Have or not have mechanical ventilation	选取的环境温度 Selected ambient temperature
土中直埋 Direct burial in soil	/	埋深处最热月平均地温 The Hottest Monthly Mean Ground Temperature in the Depth
水下 Underwater	/	最热月的日最高水温平均值 Average Daily Maximum Water Temperature in the Hottest Month
户外空气中、电缆沟 Indoor air, cable trench	/	最热月的日最高温度平均值 Average daily maximum temperature in the hottest month
有热源设备的厂房 Plant with Heat Source Equipment	有 Yes	通风设计温度 Ventilation design temperature
	无 No	最热月的日最高温度平均值另加5℃ Average daily maximum temperature of the hottest month plus 5℃
一般性厂房、室内 General workshop, interior	有 Yes	通风设计温度 Ventilation design temperature
	无 No	最热月的日最高温度平均值 Average daily maximum temperature in the hottest month
户内电缆沟 Indoor cable trench	无 No	最热月的日最高温度平均值另加5℃ Average daily maximum temperature of the hottest month plus 5℃
隧道 Tunnel		
隧道 Tunnel	有 Yes	通风设计温度 Ventilation design temperature

注：当属于第四条情况时，不能直接采取仅加5℃。

Note: In the case of Article 4, only 5 °C Celsius can not be added directly.

六、电缆通过不同散热条件区段时的缆芯截面选择，应符合下列规定：

六、 through different heat dissipation conditions, the selection of cable core section shall comply with the following requirements:

1、回路总长未超过电缆制造长度的情况。

1、 Circuit Length Not Over Cable Manufacturing Length.

(1) 重要回路全长宜按其中散热较差区段条件选择同一截面。

(1) It is advisable to select the same section for the whole length of the important circuit according to the condition of the section with poor heat dissipation.

(2) 非重要回路，可按大于10米区段散热条件按段选择截面，但每回路不宜多于三种规格。

(2) For non-important loops, the section can be selected according to the heat dissipation condition in the section greater than 10 meters, but each loop should not be more than three specifications.

2、回路总长超过电缆制造长度的情况，宜按区段选择相应合适的缆芯截面。

2、 If the total length of the circuit exceeds the length of the cable, the appropriate section of the cable core should be selected according to the section.

## 阻燃和非阻燃型聚氯乙烯绝缘聚氯乙烯护套控制电缆

### FLAME RETARDANT AND NON-FLAME RETARDANT PVC INSULATED AND SHEATHED CONTROL CABLES

#### 一. 标准

本产品执行GB/T9330-2020标准。

#### 1. Standard

This product adopts the standards of GB/T9330-2020.

#### 二. 适用范围

适用于交流额定电压450/750V以下控制，监控回路及保护线路等场合使用。

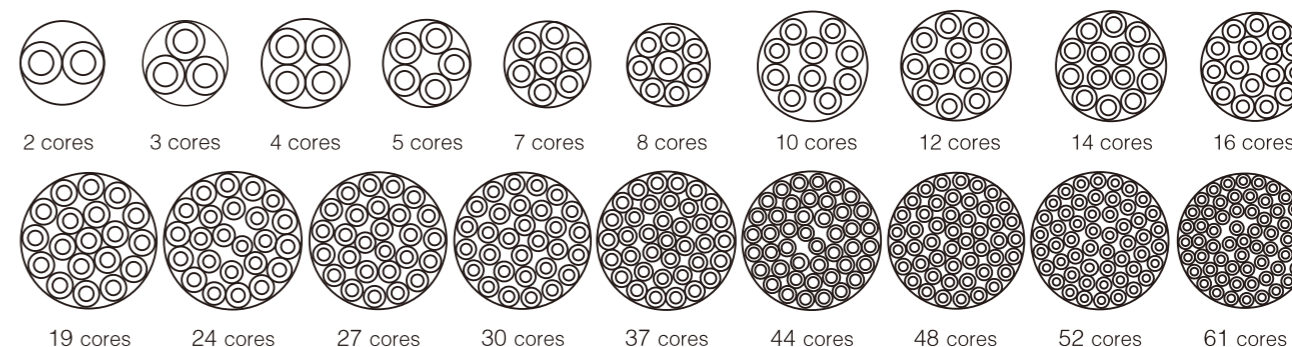
#### 2. Scope of application

This product is used for control, loop control & line protection when the rated voltage is 450/750 or less.

#### 三. 电缆型号名称及使用范围

#### 3.Type,Designation and Main Applications of Cable

型号 Type	名称 Designation	使用范围 Main Application
KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套控制电缆。 Copper conductor PVC Insulated and sheathed control cable.	敷设在室内、电缆沟管道等固定场合。 For laying indoors, intrenches and in ducts, for fixed installation.
KWVP <sub>2</sub>	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆。 Copper conductor PVC Insulated and sheathed control cable with copper tape shield.	敷设在室内、电缆沟、管道等要求屏蔽的固定场合。 For laying indoors, in trenches, in ducts, and for fixed installation. The cable should be flame retardant.
KVV <sub>22</sub>	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装控制电缆。 Copper conductor PVC insulated and sheathed control cable with steel tape armour.	敷设在室内、电缆沟、管道、直埋等承受较大机械外力的固定场合。 For laying indoors, in trenches, in ducts and in ground, able to withstand heavier mechanical force, and for fixed installation.
KVVRP KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套(铜丝编织)控制软电缆。 Copper conductor PVC insulated flexible control cable.	敷设在室内移动要求柔软等场合。 For laying indoors, movable and flexible.
ZR-KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套阻燃控制电缆。 Copper conductor PVC insulated and sheathed flame retardant control cable.	敷设在有阻燃要求的室内、电缆沟、管道等固定场合。 For laying indoors, in trenches, in ducts, and for fixed installation. The cable should be flame retardant.
ZR-KWVP <sub>2</sub>	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽阻燃控制电缆。 Copper conductor PVC insulated and sheathed flame retardant control cable with steel tags shield.	敷设在有阻燃要求的室内、电缆沟、管道等固定场合。 For laying indoors, in trenches, in ducts, and for fixed installation. The cable should be flame retardant.
ZR-KVV <sub>22</sub>	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装阻燃控制电缆。 Copper conductor PVC insulated and sheathed flame retardant control cable with steel tags armour.	敷设在有阻燃要求的室内、电缆沟、管道、直埋等能承受较大机械外力固定场合。For laying indoors, in trenches, in ducts, and underground. The cable should be flame retardant and able to bear heavier external mechanical force, and for fixed installation.
ZR-KVVRP ZR-KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套(铜丝编织)阻燃控制软电缆。 Copper conductor PVC insulated and sheathed flame retardant flame retardant flexible control cable.	敷设在有阻燃要求的室内可移动柔软等场合。 For laying indoors, and the cable should be flame-retardant flexible and movable.





四. 生产范围

4. Range of Production

型号 Type	电压 Rated Voltage V	导体标称截面 Nominal cross-sectional area of conductor mm <sup>2</sup>							
		0.5	0.75	1.0	1.5	2.5	4	6	10
KVV ZR-KVV	450/750	-	2-61				2-14		2-10
KVV <sub>22</sub> ZR-KVV <sub>22</sub>		-	4-61				4-14		4-10
KVVP <sub>2</sub> ZR-KVVP <sub>2</sub>		-	7-61		4-61		4-14		4-10
KVVR ZR-KVVR		-	4-61				-		-
KVVR ZR-KVVR		-	4-61				-		-

注：推荐的芯数系列为：2.3.4.5.7.8.10.12.14.16.19.24.27.30.37.44.48.52和61芯。

Note: The series of No. of cores will be recommended as follows 2.3.4.5.7.8.10.12.14.16.19.24.27.30.37.44.48.52 and 61 cores.

五. 绝缘材料性能

5. Propertise of Insulation materials

项目 Item	绝缘 Insulation	护套 Sheath	
最小抗张强度 Min. tensile strength N/mm <sup>2</sup>	12.5	12.5	
最小拉伸伸长率 Min. elongation at break	150	150	
热空气老化性能 Properties of heatageing in air	温度℃ temperature	100±2	100±2
	时间 hr duration	168	168
	抗张强度 N/mm <sup>2</sup> tensile strength. min	≥125	≥125
	K <sub>1</sub> (%)	±25	±25
	拉伸伸长率 % elongation at break	≥150	≥150
	K <sub>2</sub> (%)	±25	±25
热冲击性能 Heat shock property	重量损失 mg/cm <sup>2</sup> loss of mass	≤2.0	≤2.0
	温度℃ temperature	150±2	150±2
	时间 hr duration	1	1
热变形性能 Hot defmation property	性能要求 requirement	无裂缝 no crack	无裂缝 no crack
	温度℃ temperature	80±2	80±2
	时间 hr duration	4	4
冷弯曲性能 Cold bending property	最大变形率 % max. deformation	50	50
	温度℃ temperature	-15±1	-15±1
	时间 hr duration	16	16
冷冲击性能 Cold impact property	性能要求 requirement	无裂缝 no crack	无裂缝 no crack
	温度℃ temperature	-15±2	-15±2
	时间 hr duration	16	16
绝缘电阻常数(k值) Insulation resistance constant (k) 70℃		≥0.0037	
时间min 燃烧后距离不大于m			20 2.5

六. 电缆结构材料及性能

6. Construction size and Properties of Cables

KVV型, ZR-KVV型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套控制电缆

Type KVV,ZR-KVV 450/750 Copper Conductor PVC Insulated and Sheathed Control Cable

芯数 × 标称截面 Cores × Nom. Cross-sectional Area mm <sup>2</sup>	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Pitch Diameter mm		最小绝缘电阻 min Resistance of insulation at 70 °C MΩ · km	最大直流电阻 Max D.C. Resistance of at 20°C Ω · km
				下限 min	上限 max.		
2×0.75	1	0.6	1.2	6.4	8.0	0.012	24.5
2×0.75	2	0.6	1.2	6.6	8.4	0.014	24.5
2×1.0	1	0.6	1.2	6.8	8.4	0.011	18.1
2×1.0	2	0.6	1.2	6.8	8.8	0.013	18.1
2×1.5	1	0.7	1.2	7.6	9.4	0.011	12.1
2×1.5	2	0.7	1.2	7.8	10.0	0.010	12.1
2×2.5	1	0.8	1.2	8.6	10.5	0.010	7.41
2×2.5	2	0.8	1.2	9.0	11.5	0.009	7.41
2×4	1	0.8	1.2	9.6	11.5	0.0085	4.61
2×4	2	0.8	1.2	10.0	12.5	0.0077	4.61
2×6	1	0.8	1.2	10.5	12.5	0.0070	3.08
2×6	2	0.8	1.2	11.0	14.0	0.0065	3.08
2×10	2	1.0	1.5	14.0	17.5	0.0065	1.83
3×0.75	1	0.6	1.2	6.8	8.4	0.012	24.5
3×0.75	2	0.6	1.2	7.0	8.8	0.014	24.5
3×1.0	1	0.6	1.2	7.0	8.8	0.011	18.1
3×1.0	2	0.6	1.2	7.2	9.2	0.013	18.1
3×1.5	1	0.7	1.2	8.0	9.8	0.011	12.1
3×1.5	2	0.7	1.2	8.2	10.5	0.010	12.1
3×2.5	1	0.8	1.2	9.2	11.0	0.010	7.41
3×2.5	2	0.8	1.2	9.4	12.0	0.009	7.41
3×4	1	0.8	1.2	10.0	12.5	0.0085	4.61
3×4	2	0.8	1.2	10.5	13.5	0.0077	4.61
3×6	1	0.8	1.5	11.5	14.0	0.0070	3.08
3×6	2	0.8	1.5	12.0	15.0	0.0065	3.08
3×10	2	1.0	1.5	14.5	18.5	0.0065	1.83
4×0.75	1	0.6	1.2	7.2	9.0	0.012	24.5
4×0.75	2	0.6	1.2	7.4	9.6	0.014	24.5
4×1.0	1	0.6	1.2	7.6	9.4	0.011	18.1
4×1.0	2	0.6	1.2	7.8	10.0	0.013	18.1
4×1.5	1	0.7	1.2	8.6	10.5	0.011	12.1
4×1.5	2	0.7	1.2	9.0	11.5	0.010	12.1
4×2.5	1	0.8	1.2	10.0	12.0	0.010	7.41
4×2.5	2	0.8	1.2	10.0	13.0	0.009	7.41
4×4	1	0.8	1.5	11.5	14.0	0.0085	4.61
4×4	2	0.8	1.5	12.0	15.0	0.0077	4.61
4×6	1	0.8	1.5	12.5	15.0	0.0070	3.08
4×6	2	0.8	1.5	13.0	16.5	0.0065	3.08
4×10	2	1.0	1.5	16.0	20.0	0.0065	1.83
5×0.75	1	0.6	1.2	7.8	9.6	0.012	24.5
5×0.75	2	0.6	1.2	8.0	10.5	0.014	24.5
5×1.0	1	0.6	1.2	8.2	10.0	0.011	18.1
5×1.0	2	0.6	1.2	8.4	11.0	0.013	18.1
5×1.5	1	0.7	1.2	9.4	11.5	0.011	12.1
5×1.5	2	0.7	1.2	9.8	12.5	0.010	12.1
5×2.5	1	0.8	1.5	11.5	14.0	0.010	7.41
5×2.5	2	0.8	1.5	11.5	14.5	0.009	7.41
5×4	1	0.8	1.5	12.5	15.0	0.0085	4.61
5×4	2	0.8	1.5	13.0	16.5	0.0077	4.61
5×6	1	0.8	1.5	14.0	16.5	0.0070	3.08
5×6	2	0.8	1.5	14.5	18.0	0.0065	3.08
5×10	2	1.0	1.7	18.0	22.5	0.0065	1.83
7×0.75	1	0.6	1.2	8.4	10.5	0.012	24.5
7×0.75	2	0.6	1.2	8.8	11.0	0.014	24.5
7×1.0	1	0.6	1.2	9.0	11.0	0.011	18.1
7×1.0	2	0.6	1.2	9.2	11.5	0.013	18.1
7×1.5	1	0.7	1.2	10.0	12.5	0.011	12.1
7×1.5	2	0.7	1.2	10.5	13.5	0.010	12.1
7×2.5	1	0.8	1.5	12.5	15.0	0.010	7.41
7×2.5	2	0.8	1.5	12.5	16.0	0.009	7.41
7×4	1	0.8	1.5	13.5	16.5	0.0085	4.61
7×4	2	0.8	1.5	14.0	17.5	0.0077	4.61
7×6	1	0.8	1.5	15.0	18.0	0.0070	3.08
7×6	2	0.8	1.5	15.5	19.5	0.0065	3.08
7×10	2	1.0	1.7	20.0	24.0	0.0065	1.83



芯数 × 标称截面 Cross-sectional Area mm <sup>2</sup>	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Pitch Diameter mm		最小绝缘电阻 min Resistance of insulation at 70 °C MΩ · km	最大直流电阻 Max D.C. Resistance of at 20°C Ω · km
				下限 min	上限 max.		
8×0.75	1	0.6	1.2	9.4	11.5	0.012	24.5
8×0.75	2	0.6	1.2	9.6	12.0	0.014	24.5
8×1.0	1	0.6	1.2	10.0	12.0	0.011	18.1
8×1.0	2	0.6	1.2	10.0	13.0	0.013	18.1
8×1.5	1	0.7	1.5	12.0	14.5	0.011	12.1
8×1.5	2	0.7	1.5	12.5	15.5	0.010	12.1
8×2.5	1	0.8	1.5	14.0	16.5	0.010	7.41
8×2.5	2	0.8	1.5	14.0	17.5	0.009	7.41
8×4	1	0.8	1.5	15.5	18.0	0.0085	4.61
8×4	2	0.8	1.5	16.0	19.5	0.0077	4.61
8×6	1	0.8	1.7	17.5	20.0	0.0070	3.08
8×6	2	0.8	1.7	18.0	22.0	0.0065	3.08
8×10	2	1.0	1.7	22.5	27.0	0.0065	1.83
10×0.75	1	0.6	1.2	10.5	12.5	0.012	24.5
10×0.75	2	0.6	1.2	10.5	13.5	0.014	24.5
10×1.0	1	0.6	1.5	11.5	14.0	0.011	18.1
10×1.0	2	0.6	1.5	12.0	15.0	0.013	18.1
10×1.5	1	0.7	1.5	13.5	16.0	0.011	12.1
10×1.5	2	0.7	1.5	14.0	17.0	0.010	12.1
10×2.5	1	0.8	1.5	15.5	18.5	0.010	7.41
10×2.5	2	0.8	1.5	16.0	19.5	0.009	7.41
10×4	1	0.8	1.7	18.0	20.5	0.0085	4.61
10×4	2	0.8	1.7	18.5	22.5	0.0077	4.61
10×6	1	0.8	1.7	19.5	22.5	0.0070	3.08
10×6	2	0.8	1.7	20.5	25.0	0.0065	3.08
10×10	2	1.0	1.7	25.5	30.5	0.0065	1.83
12×0.75	1	0.6	1.5	11.5	13.5	0.012	24.5
12×0.75	2	0.6	1.5	11.5	14.5	0.014	24.5
12×1.0	1	0.6	1.5	12.0	14.5	0.011	18.1
12×1.0	2	0.6	1.5	12.5	15.5	0.013	18.1
12×1.5	1	0.7	1.5	14.0	16.5	0.011	12.1
12×1.5	2	0.7	1.5	14.0	17.5	0.010	12.1
12×2.5	1	0.8	1.5	16.0	19.0	0.010	7.41
12×2.5	2	0.8	1.5	16.5	20.5	0.009	7.41
12×4	1	0.8	1.7	18.5	21.5	0.0085	4.61
12×4	2	0.8	1.7	19.0	23.0	0.0077	4.61
12×6	1	0.8	1.7	20.5	23.5	0.0070	3.08
12×6	2	0.8	1.7	21.0	26.0	0.0065	3.08
14×0.75	1	0.6	1.5	12.0	14.5	0.012	24.5
14×0.75	2	0.6	1.5	12.0	15.0	0.014	24.5
14×1.0	1	0.6	1.5	12.5	15.0	0.011	18.1
14×1.0	2	0.6	1.5	13.0	16.0	0.013	18.1
14×1.5	1	0.7	1.5	14.5	17.0	0.011	12.1
14×1.5	2	0.7	1.5	15.0	18.5	0.010	12.1
14×2.5	1	0.8	1.5	17.0	19.5	0.010	7.41
14×2.5	2	0.8	1.5	17.5	21.5	0.009	7.41
14×4	1	0.8	1.7	19.5	22.5	0.0085	4.61
14×4	2	0.8	1.7	20.0	24.5	0.0077	4.61
14×6	1	0.8	1.7	21.5	24.5	0.0070	3.08
14×6	2	0.8	1.7	22.5	27.0	0.0065	3.08
16×0.75	1	0.6	1.5	12.5	15.0	0.012	24.5
16×0.75	2	0.6	1.5	13.0	16.0	0.014	24.5
16×1.0	1	0.6	1.5	13.0	16.5	0.011	18.1
16×1.0	2	0.6	1.5	13.5	17.0	0.013	18.1
16×1.5	1	0.7	1.5	15.0	18.0	0.011	12.1
16×1.5	2	0.7	1.5	15.5	19.5	0.010	12.1
16×2.5	1	0.8	1.7	18.0	21.0	0.010	7.41
16×2.5	2	0.8	1.7	19.0	23.0	0.009	7.41
19×0.75	1	0.6	1.5	13.0	15.5	0.012	24.5
19×0.75	2	0.6	1.5	13.5	16.5	0.014	24.5
19×1.0	1	0.6	1.5	14.0	16.5	0.011	18.1
19×1.0	2	0.6	1.5	14.5	17.5	0.013	18.1
19×1.5	1	0.7	1.5	16.0	19.0	0.011	12.1
19×1.5	2	0.7	1.5	16.5	20.5	0.010	12.1
19×2.5	1	0.8	1.7	19.0	22.0	0.010	7.41
19×2.5	2	0.8	1.7	20.0	24.0	0.009	7.41

芯数 × 标称截面 Cross-sectional Area mm <sup>2</sup>	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Pitch Diameter mm		最小绝缘电阻 min Resistance of insulation at 70 °C MΩ · km	最大直流电阻 Max D.C. Resistance of at 20°C Ω · km
				下限 min	上限 max.		
24×0.75	1	0.6	1.5	15.0	18.0	0.012	24.5
24×0.75	2	0.6	1.5	15.5	19.0	0.014	24.5
24×1.0	1	0.6	1.5	16.0	19.0	0.011	18.1
24×1.0	2	0.6	1.5	16.5	20.5	0.013	18.1
24×1.5	1	0.7	1.7	19.0	22.0	0.011	12.1
24×1.5	2	0.7	1.7	20.0	24.0	0.010	12.1
24×2.5	1	0.8	1.7	22.5	25.5	0.010	7.41
24×2.5	2	0.8	1.7	23.0	28.0	0.009	7.41
27×0.75	1	0.6	1.5	15.5	18.0	0.012	24.5
27×0.75	2	0.6	1.5	16.0	19.5	0.014	24.5
27×1.0	1	0.6	1.5	16.5	19.0	0.011	18.1
27×1.0	2	0.6	1.5	17.0	20.5	0.013	18.1
27×1.5	2	0.7	1.7	19.5	22.5	0.011	12.1
27×1.5	1	0.7	1.7	20.0	24.5	0.010	12.1
27×2.5	2	0.8	1.7	23.0	26.0	0.010	7.41
27×2.5	1	0.8	1.7	23.5	28.5	0.009	7.41
30×0.75	2	0.6	1.5	16.0	19.0	0.012	24.5
30×0.75	1	0.6	1.5	16.5	20.0	0.014	24.5
30×1.0	2	0.6	1.7	17.5	20.5	0.011	18.1
30×1.0	1	0.6	1.7	18.0	22.0	0.013	18.1
30×1.5	2	0.7	1.7	20.0	23.0	0.011	12.1
30×1.5	1	0.7	1.7	21.0	25.0	0.010	12.1
30×2.5	2	0.8	1.7	24.0	27.0	0.010	7.41
30×2.5	1	0.8	1.7	24.5	29.5	0.009	7.41
37×0.75	2	0.6	1.7	17.5	20.5	0.012	24.5
37×0.75	2	0.6	1.7	18.0	22.0	0.014	24.5
37×1.0	1	0.6	1.7	18.5	21.5	0.011	18.1
37×1.0	2	0.6	1.7	19.5	23.5	0.013	18.1
37×1.5	1	0.7	1.7	21.5	25.0	0.011	12.1
37×1.5	2	0.7	1.7	22.5	27.0	0.010	12.1
37×2.5	1	0.8	1.7	25.5	29.0	0.010	7.41
37×2.5	2	0.8	1.7	26.5	31.5	0.009	7.41
44×0.75	1	0.6	1.7	19.5	23.0	0.012	24.5
44×0.75	2	0.6	1.7	20.5	24.5	0.014	24.5
44×1.0	1	0.6	1.7	21.0	24.0	0.011	18.1
44×1.0	2	0.6	1.7	21.5	26.0	0.013	18.1
44×1.5	1	0.7	1.7	24.5	28.0	0.011	12.1
44×1.5	2	0.7	1.7	25.5	30.5	0.010	12.1
44×2.5	1	0.8	2.0	29.5	33.5	0.010	7.41
44×2.5	2	0.8	2.0	30.5	36.0	0.009	7.41
48×0.75	1	0.6	1.7	20.0	23.0	0.012	24.5
48×0.75	2	0.6	1.7	20.5	25.0	0.014	24.5
52×1.0	1	0.6	1.7	22.0	25.0	0.011	18.1
52×1.0	2	0.6	1.7	22.5	27.0	0.013	18.1
52×1.5	1	0.7	1.7	25.5	29.0	0.011	12.1
52×1.5	2	0.7	1.7	26.5	31.5	0.010	12.1
52×2.5	1	0.8	2.0	31.0	35.0	0.010	7.41
52×2.5	2	0.8	2.0	32.0	38.0	0.009	7.41
61×0.75	1	0.6	1.7	22.0	25.0	0.012	24.5
61×0.75	2	0.6	1.7	22.5	27.0	0.014	24.5
61×1.0	1	0.6	1.7	23.0	26.5	0.011	18.1
61×1.0	2	0.6	1.7	24.0	28.5	0.013	18.1
61×1.5	1	0.7	2.0	27.5	31.5	0.011	12.1
61×1.5	2	0.7	2.0	28.5	34.0	0.010	12.1
61×2.5	1	0.8	2.2	33.0	37.5	0.010	7.41
61×2.5	2	0.8	2.2	34.0	40.5	0.009	7.41



KVVP<sub>2</sub>型, ZR-KVVP<sub>2</sub>型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆  
Type KVVP<sub>2</sub>, ZR-KVVP<sub>2</sub> 450/750 Copper Conductor PVC Insulated and Sheathed Control Cable with Copper Tape Shield

芯数×标称截面 Cores×Nom. Cross-sectional Area mm <sup>2</sup>	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Pitch Diameter mm		最小绝缘电阻 min Resistance of insulation at 70 °C MΩ·km	最大直流电阻 Max D.C. Resistance of at 20°C Ω·km
				下限 min	上限 max.		
4×0.75	1	0.6	0.05-0.15	1.2	8.0	10.0	24.5
4×1.0	1	0.6	0.05-0.15	1.2	8.4	10.5	18.1
4×1.5	1	0.7	0.05-0.15	1.2	9.4	11.5	12.1
4×2.5	1	0.8	0.05-0.15	1.5	11.0	14.0	7.41
4×4	1	0.8	0.05-0.15	1.5	12.5	15.0	4.61
4×6	1	0.8	0.05-0.15	1.5	13.5	16.0	3.08
4×10	2	1.0	0.05-0.15	1.7	17.5	21.5	1.83
5×0.75	1	0.6	0.05-0.15	1.2	8.6	11.0	24.5
5×1.0	1	0.6	0.05-0.15	1.2	9.0	11.0	18.1
5×1.5	1	0.7	0.05-0.15	1.2	10.0	12.5	12.1
5×2.5	1	0.8	0.05-0.15	1.5	12.0	16.0	7.41
5×4	1	0.8	0.05-0.15	1.5	13.5	16.0	4.61
5×6	1	0.8	0.05-0.15	1.5	14.5	17.5	3.08
5×10	2	1.0	0.05-0.15	1.7	19.0	23.5	1.83
7×0.75	1	0.6	0.05-0.15	1.2	9.2	11.5	24.5
7×1.0	1	0.6	0.05-0.15	1.2	9.6	12.0	18.1
7×1.5	1	0.7	0.05-0.15	1.2	11.5	14.0	12.1
7×2.5	1	0.8	0.05-0.15	1.5	13.0	16.0	7.41
7×4	1	0.8	0.05-0.15	1.5	14.5	17.5	4.61
7×6	1	0.8	0.05-0.15	1.5	16.0	19.0	3.08
7×10	2	1.0	0.05-0.15	1.7	20.5	25.0	1.83
8×0.75	1	0.6	0.05-0.15	1.5	10.0	12.5	24.5
8×1.0	1	0.6	0.05-0.15	1.5	11.0	13.5	18.1
8×1.5	1	0.7	0.05-0.15	1.5	12.5	15.5	12.1
8×2.5	1	0.8	0.05-0.15	1.5	14.5	17.5	7.41
8×4	1	0.8	0.05-0.15	1.7	16.0	19.0	4.61
8×6	1	0.8	0.05-0.15	1.7	18.0	21.0	3.08
8×10	2	1.0	0.05-0.15	1.7	23.0	28.0	1.83
10×0.75	1	0.6	0.05-0.15	1.5	11.5	14.5	24.5
10×1.0	1	0.6	0.05-0.15	1.5	12.5	15.0	18.1
10×1.5	1	0.7	0.05-0.15	1.5	14.0	17.0	12.1
10×2.5	1	0.8	0.05-0.15	1.5	16.5	19.5	7.41
10×4	1	0.8	0.05-0.15	1.7	18.5	21.5	4.61
10×6	1	0.8	0.05-0.15	1.7	20.5	23.5	3.08
10×10	2	1.0	0.05-0.15	1.7	26.0	31.5	1.83
12×0.75	1	0.6	0.05-0.15	1.5	12.0	14.5	24.5
12×1.0	1	0.6	0.05-0.15	1.5	12.5	15.5	18.1
12×1.5	1	0.7	0.05-0.15	1.5	14.5	17.5	12.1
12×2.5	1	0.8	0.05-0.15	1.7	17.0	20.5	7.41
12×4	1	0.8	0.05-0.15	1.7	19.0	22.5	4.61
12×6	1	0.8	0.05-0.15	1.7	21.0	24.5	3.08
14×0.75	1	0.6	0.05-0.15	1.5	12.5	15.5	24.5
14×1.0	1	0.6	0.05-0.15	1.5	13.5	16.0	18.1
14×1.5	1	0.7	0.05-0.15	1.5	15.0	18.0	12.1
14×2.5	1	0.8	0.05-0.15	1.7	18.0	21.0	7.41
14×4	1	0.8	0.05-0.15	1.7	20.0	23.5	4.61
14×6	1	0.8	0.05-0.15	1.7	22.0	25.5	3.08
16×0.75	1	0.6	0.05-0.15	1.5	13.0	16.0	24.5
16×1.0	1	0.6	0.05-0.15	1.5	14.0	16.5	18.1
16×1.5	1	0.7	0.05-0.15	1.5	16.0	19.0	12.1
16×2.5	1	0.8	0.05-0.15	1.7	19.0	22.0	7.41
19×0.75	1	0.6	0.05-0.15	1.5	14.0	16.5	24.5
19×1.0	1	0.6	0.05-0.15	1.5	14.5	17.5	18.1
19×1.5	1	0.7	0.05-0.15	1.7	16.5	20.0	12.1
19×2.5	1	0.8	0.05-0.15	1.7	20.0	23.0	7.41
24×0.75	1	0.6	0.05-0.15	1.5	16.0	19.0	24.5
24×1.0	1	0.6	0.05-0.15	1.7	17.0	20.5	18.1
24×1.5	1	0.7	0.05-0.15	1.7	20.0	23.0	12.1
24×2.5	1	0.8	0.05-0.15	1.7	23.0	26.5	7.41
27×0.75	1	0.6	0.05-0.15	1.7	16.0	19.0	24.5
27×1.0	1	0.6	0.05-0.15	1.7	17.5	20.5	18.1
27×1.5	1	0.7	0.05-0.15	1.7	20.0	23.5	12.1
27×2.5	1	0.8	0.05-0.15	1.7	23.5	27.0	7.41
30×0.75	1	0.6	0.05-0.15	1.7	17.0	20.0	24.5
30×1.0	1	0.6	0.05-0.15	1.7	18.0	21.5	18.1
30×1.5	1	0.7	0.05-0.15	1.7	21.0	24.0	12.1
30×2.5	1	0.8	0.05-0.15	1.7	24.5	28.0	7.41
37×0.75	1	0.6	0.05-0.15	1.7	18.5	21.5	24.5
37×1.0	1	0.6	0.05-0.15	1.7	19.5	22.5	18.1
37×1.5	1	0.7	0.05-0.15	1.7	22.5	26.0	12.1
37×2.5	1	0.8	0.05-0.15	2.0	26.5	30.0	7.41
44×0.75	1	0.6	0.05-0.15	1.7	20.5	24.0	24.5
44×1.0	1	0.6	0.05-0.15	1.7	21.5	25.0	18.1
44×1.5	1	0.7	0.05-0.15	1.7	25.0	29.0	12.1
44×2.5	1	0.8	0.05-0.15	2.0	30.0	34.5	7.41
48×0.75	1	0.6	0.05-0.15	1.7	21.0	24.0	24.5
48×1.0	1	0.6	0.05-0.15	1.7	22.0	25.5	18.1
48×1.5	1	0.7	0.05-0.15	1.7	25.5	29.5	12.1
48×2.5	1	0.8	0.05-0.15	2.0	30.5	35.0	7.41
52×0.75	1	0.6	0.05-0.15	1.7	21.5	24.5	24.5
52×1.0	1	0.6	0.05-0.15	1.7	22.5	26.0	18.1
52×1.5	1	0.7	0.05-0.15	2.0	26.0	30.0	12.1
52×2.5	1	0.8	0.05-0.15	2.2	31.5	36.0	7.41
61×0.75	1	0.6	0.05-0.15	1.7	22.5	26.0	24.5
61×1.0	1	0.6	0.05-0.15	1.7	24.0	27.5	18.1
61×1.5	1	0.7	0.05-0.15	2.0	28.5	32.5	12.1
61×2.5	1	0.8	0.05-0.15	2.2	34.0	38.5	7.41

KVV<sub>22</sub>型, ZR-KVV<sub>22</sub>型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装控制电缆  
Type KVV<sub>22</sub>, ZR-KVV<sub>22</sub> 450/750 Copper Conductor PVC Insulated and Sheathed Control Cable with steel tape armor

芯数×标称截面 Cores×Nom. Cross-sectional Area mm <sup>2</sup>	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	钢带层数×厚度 Nom thickness of Copper tape mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Pitch Diameter mm		最小绝缘电阻 min Resistance of insulation at 70 °C MΩ·km	最大直流电阻 Max D.C. Resistance of at 20°C Ω·km
					下限 min	上限 max.		
4×2.5	1	0.8	2×0.2(0.3)	1.5	13.0	17.0	0.010	7.41
4×4	1	0.8	2×0.2(0.3)	1.5	14.0	18.5	0.0085	4.61
4×6	1	0.8	2×0.2(0.3)	1.5	15.5	19.0	0.0070	3.08
4×10	2	1.0	2×0.2(0.3)	1.7	19.0	25.0	0.0065	7.83
5×2.5	1	0.8	2×0.2(0.3)	1.5	14.0	18.0	0.010	7.41
5×4	1	0.8	2×0.2(0.3)	1.5	15.0	19.5	0.0085	4.61
5×6	1	0.8	2×0.2(0.3)	1.7	17.0	21.5	0.0070	3.08
5×10	2	1.0	2×0.2(0.3)	1.7	20.5	26.5	0.0065	7.83
7×0.75	1	0.6	2×0.2(0.3)	1.5	11.5	15.5	0.012	24.5
7×1.0	1	0.6	2×0.2(0.3)	1.5	12.0	16.0	0.011	18.1
7×1.5	1	0.7	2×0.2(0.3)	1.5	13.5	17.5	0.011	12.1
7×2.5	1	0.8	2×0.2(0.3)	1.5	15.0	19.0	0.010	7.41
7×4	1	0.8	2×0.2(0.3)	1.5	16.5	20.5	0.0085	4.61
7×6	1	0.8	2×0.2(0.3)	1.7	18.0	22.5	0.0070	3.08
7×10	2	1.0	2×0.2(0.3)	1.7	22.5	28.5	0.0065	7.83
8×0.75	1	0.6	2×0.2(0.3)	1.5	12.5	16.5	0.012	24.5
8×1.0	1	0.6	2×0.2(0.3)	1.5	13.0	17.0	0.011	18.1
8×1.5	1	0.7	2×0.2(0.3)	1.5	14.4	18.5	0.011	12.1
8×2.5	1	0.8	2×0.2(0.3)	1.5	16.5	21.0	0.010	7.41
8×4	1	0.8	2×0.2(0.3)	1.7	18.5	23.0	0.0085	4.61
8×6	1	0.8	2×0.2(0.3)	1.7	20.0	24.5	0.0070	3.08
8×10	2	1.0	2×0.2(0.3)	1.7	25.0	31.5	0.0065	7.83
10×0.75	1	0.6	2×0.2(0.3)	1.5	13.5	18.0	0.012	24.5
10×1.0	1	0.6	2×0.2(0.3)	1.5	14.5	18.5	0.011	18.1
10×1.5	1	0.7	2×0.2(0.3)	1.5	16.0	20.5	0.011	12.1
10×2.5	1	0.8	2×0.2(0.3)	1.7	18.5	23.0	0.010	7.41
10×4	1	0.8	2×0.2(0.3)	1.7	20.5	25.0	0.0085	4.61
10×6	1	0.8	2×0.2(0.3)	1.7	22.5	27.0	0.0070	3.08
10×10	2	1.0	2×0.2(0.3)	2.0	28.5	35.0	0.0065	7.83
12×0.75	1	0.6	2×0.2(0.3)	1.5	14.0	18.0	0.012	24.5
12×1.0	1	0.6	2×0.2(0.3)	1.5	14.5	19.0	0.011	18.1
12×1.5	1	0.7	2×0.2(0.3)	1.5	16.5	20.5	0.011	12.1
12×2.5	1	0.8	2×0.2(0.3)	1.7	19.0	23.5	0.010	7.41
12×4	1	0.8	2×0.2(0.3)	1.7	21.0	25.5	0.0085	4.61
12×6	1	0.8	2×0.2(0.3)	1.7	23.0	28.0	0.0070	3.08
14×0.75	1	0.6	2×0.2(0.3)	1.5	14.5	18.5	0.012	24.5
14×1.0	1	0.6	2×0.2(0.3)	1.5	15.0	19.5	0.011	18.1
14×1.5	1	0.7	2×0.2(0.3)	1.7	17.5	22.0	0.011	12.1
14×2.5	1	0.8	2×0.2(0.3)	1.7	20.0	24.5	0.010	7.41
14×4	1	0.8	2×0.2(0.3)	1.7	22.0	26.5	0.0085	4.61
14×6	1	0.8	2×0.2(0.3)	1.7	24.0	29.0	0.0070	3.08
16×0.75	1	0.6	2×0.2(0.3)	1.7	15.0	19.5	0.012	24.5
16×1.0	1	0.6	2×0.2(0.3)	1.7	16.0	20.0	0.011	18.1
16×1.5	1	0.7	2×0.2(0.3)	1.5	18.0	22.5	0.011	12.1
16×2.5	1	0.8	2×0.2(0.3)	1.5	21.0	25.5	0.010	7.41
19×0.75	1	0.6	2×0.2(0.3)	1.5	15.5	20.0	0.012	24.5
19×1.0	1	0.6	2×0.2(0.3)	1.5	17.0	21.5	0.011	18.1
19×1.5	1	0.7	2×0.2(0.3)	1.7	19.0	23.5	0.011	12.1
19×2.5	1	0.8	2×0.2(0.3)	1.7	22.0	26.5	0.010	7.41
24×0.75	1	0.6	2×0.2(0.3)	1.7	18.0	22.5	0.012	24.5
24×1.0	1	0.6	2×0.2(0.3)	1.7	19.0	23.5	0.011	18.1
24×1.5	1	0.7						



KVVRP型, ZR-KVVRP型, KVVR型, ZR-KVVR型450/750V铜芯聚氯乙烯绝缘聚氯乙烯护套(编织屏蔽)软控制电缆  
Type KVVRP, ZR-KVVRP, KVVR, ZR-KVVR 450/750 Copper Conductor PVC Insulated and Sheathed Flexible Control Cable

芯数×标称截面 Cores×Nom. Cross-sectional Area mm <sup>2</sup>	导体种类 Kind of conductor	绝缘标称厚度 Nom thickness of Insulation mm	护套标称厚度 Nom thickness of Sheath mm	平均外径 Pitch Diameter mm		最小绝缘电阻 min Resistance of insulation at 70 °C MΩ·km	最大直流电阻 Max D.C. Resistance of at 20°C Ω·km
				下限 min	上限 max.		
4×0.5	③	0.6	1.2	7.2	9.0	0.013	39.0
4×0.75	③	0.6	1.2	7.6	9.4	0.011	26.0
4×1.0	③	0.6	1.2	8.0	10.0	0.010	19.5
4×1.5	③	0.7	1.2	9.0	11.5	0.010	13.3
4×2.5	③	0.8	1.2	10.5	13.0	0.009	7.98
5×0.5	③	0.6	1.2	7.8	9.6	0.013	39.0
5×0.75	③	0.6	1.2	8.4	10.5	0.011	26.0
5×1.0	③	0.6	1.2	8.8	11.0	0.010	19.5
5×1.5	③	0.7	1.2	9.8	12.0	0.010	13.3
5×2.5	③	0.8	1.5	12.0	14.5	0.009	7.98
7×0.5	③	0.6	1.2	8.4	10.5	0.013	39.0
7×0.75	③	0.6	1.2	9.0	11.0	0.011	26.0
7×1.0	③	0.6	1.2	9.6	11.5	0.010	19.5
7×1.5	③	0.7	1.2	10.5	13.0	0.010	13.3
7×2.5	③	0.8	1.5	13.0	16.0	0.009	7.98
8×0.5	③	0.6	1.2	9.4	11.5	0.013	39.0
8×0.75	③	0.6	1.2	10.0	12.0	0.011	26.0
8×1.0	③	0.6	1.2	10.5	13.0	0.010	19.5
8×1.5	③	0.7	1.5	12.5	15.0	0.010	13.3
8×2.5	③	0.8	1.5	15.0	17.5	0.009	7.98
10×0.5	③	0.6	1.2	10.5	12.5	0.013	39.0
10×0.75	③	0.6	1.2	11.0	13.5	0.011	26.0
10×1.0	③	0.6	1.5	12.5	15.0	0.010	19.5
10×1.5	③	0.7	1.5	14.0	17.0	0.010	13.3
10×2.5	③	0.8	1.5	16.5	19.5	0.009	7.98
12×0.5	③	0.6	1.2	10.5	13.0	0.013	39.0
12×0.75	③	0.6	1.5	12.0	14.5	0.011	26.0
12×1.0	③	0.6	1.5	12.5	15.5	0.010	19.5
12×1.5	③	0.7	1.5	14.5	17.5	0.010	13.3
12×2.5	③	0.8	1.5	17.5	20.5	0.009	7.98
14×0.5	③	0.6	1.2	11.0	13.5	0.013	39.0
14×0.75	③	0.6	1.5	12.5	15.0	0.011	26.0
14×1.0	③	0.6	1.5	13.5	16.0	0.010	19.5
14×1.5	③	0.7	1.5	15.0	18.0	0.010	13.3
14×2.5	③	0.8	1.5	18.0	21.0	0.009	7.98
16×0.5	③	0.6	1.5	12.5	15.0	0.013	39.0
16×0.75	③	0.6	1.5	13.5	16.0	0.011	26.0
16×1.0	③	0.6	1.5	14.0	17.0	0.010	19.5
16×1.5	③	0.7	1.5	16.0	19.0	0.010	13.3
16×2.5	③	0.8	1.7	19.5	23.0	0.009	7.98
19×0.5	③	0.6	1.5	13.0	15.5	0.013	39.0
19×0.75	③	0.6	1.5	14.0	16.5	0.011	26.0
19×1.0	③	0.6	1.5	15.0	17.5	0.010	19.5
19×1.5	③	0.7	1.5	16.5	20.0	0.010	13.3
19×2.5	③	0.8	1.7	20.5	24.0	0.009	7.98
24×0.5	③	0.6	1.5	15.0	18.0	0.013	39.0
24×0.75	③	0.6	1.5	16.0	19.0	0.011	26.0
24×1.0	③	0.6	1.5	17.0	20.0	0.010	19.5
24×1.5	③	0.7	1.7	20.0	23.5	0.010	13.3
24×2.5	③	0.8	1.7	24.0	27.5	0.009	7.98
27×0.5	③	0.6	1.5	15.0	18.0	0.013	39.0
27×0.75	③	0.6	1.5	16.5	19.5	0.011	26.0
27×1.0	③	0.6	1.5	17.5	20.5	0.010	19.5
27×1.5	③	0.7	1.7	20.5	24.0	0.010	13.3
27×2.5	③	0.8	1.7	24.5	28.5	0.009	7.98
30×0.5	③	0.6	1.5	16.0	18.5	0.013	39.0
30×0.75	③	0.6	1.5	17.0	20.0	0.011	26.0
30×1.0	③	0.6	1.7	18.5	21.5	0.010	19.5
30×1.5	③	0.7	1.7	21.0	25.0	0.010	13.3
30×2.5	③	0.8	1.7	25.5	29.5	0.009	7.98
37×0.5	③	0.6	1.5	17.0	20.0	0.013	39.0
37×0.75	③	0.6	1.7	19.0	21.5	0.011	26.0
37×1.0	③	0.6	1.7	20.0	23.5	0.010	19.5
37×1.5	③	0.7	1.7	22.5	27.0	0.010	13.3
37×2.5	③	0.8	1.7	27.5	31.5	0.009	7.98
44×0.5	③	0.6	1.7	19.5	22.5	0.013	39.0
44×0.75	③	0.6	1.7	21.0	24.5	0.011	26.0
44×1.0	③	0.6	1.7	22.5	26.0	0.010	19.5
44×1.5	③	0.7	1.7	25.5	30.0	0.010	13.3
44×2.5	③	0.8	2.0	32.0	36.0	0.009	7.98
48×0.5	③	0.6	1.7	20.0	23.0	0.013	39.0
48×0.75	③	0.6	1.7	21.5	25.0	0.011	26.0
48×1.0	③	0.6	1.7	23.0	26.5	0.010	19.5
48×1.5	③	0.7	1.7	26.0	30.5	0.010	13.3
48×2.5	③	0.8	2.0	32.5	36.5	0.009	7.98
52×0.5	③	0.6	1.7	20.5	23.5	0.013	39.0
52×0.75	③	0.6	1.7	22.0	25.5	0.011	26.0
52×1.0	③	0.6	1.7	23.5	27.0	0.010	19.5
52×1.5	③	0.7	1.7	26.5	31.0	0.010	13.3
52×2.5	③	0.8	2.0	33.0	37.5	0.009	7.98
61×0.5	③	0.6	1.7	21.5	25.0	0.013	39.0
61×0.75	③	0.6	1.7	23.5	27.0	0.011	26.0
61×1.0	③	0.6	1.7	25.0	28.5	0.010	19.5
61×1.5	③	0.7	2.0	29.0	33.5	0.010	13.3
61×2.5	③	0.8	2.2	35.5	40.5	0.009	7.98



## 电力电缆安装注意事项

1. 电缆的装卸必须使用吊车或叉车, 禁止平运、平放, 以免电缆受外力损伤或因人工拖动而擦伤。大型电缆安装时必须使用放缆车, 避免违规操作、野蛮施工。
  2. 所有敷设场地应无积水, 以防电缆在敷设和运行过程中水分进入电缆, 影响电缆正常使用。
  3. 施工前电缆端头必须密封防护、防止进水和其它腐蚀性材料的侵蚀以致导致钢带、铜带锈蚀变色, 导体氧化绝缘层老化而导致击穿。
  4. 电缆与热力管道平行安装时应保持2m的距离, 交叉时应保持0.5m。电缆与其他管道平行或交叉安装时要保持0.5m的距离。电缆直埋安装时, 1-35KV电缆直埋深度不小于0.7m。
  5. 10KV及以下电缆平行安装时, 相互净距离不小于0.1m, 10-35KV不小于0.25m; 交叉时距离小于0.5m。
  6. 电缆敷设温度不低于0°C, 电缆弯曲半径必须大于或等于电缆直径的20倍。
  7. 6KV及以上电缆接头
    - (1) 安装电缆终端头时, 必须剥除半导电屏蔽层, 操作时不得损伤绝缘, 应避免刀痕及凹凸不平的情况, 必要时用砂纸磨平; 屏蔽端部应平整, 并要把石墨层(颗粒)清除干净。
    - (2) 塑料绝缘电缆端头铜带屏蔽和铠装必须良好接地, 避免三相不平衡运行时铠装端部产生感应电动, 甚至“打火”及燃烧护套等事故。接地引出线要采用镀锡编制铜线, 和电缆铜带连接时应用烙铁锡焊, 不宜用喷灯封焊, 以免损伤绝缘。
    - (3) 三相铜带屏蔽应分别与地线相连, 注意屏蔽接地线和铠装接地线应分别引出, 相互绝缘, 焊接地线的位置应尽量靠下。
  8. 对电缆端头和中间接头的基本要求: a导体连接良好; b绝缘可靠; c密封良好; d足够的机械强度, 能适应各种运行条件。
  9. 电缆因故不能及时敷设时, 应将其放在干燥地方储存, 防止曝晒电缆头进水造成电缆短路导体氧化和其它材料锈蚀, 影响电缆的使用寿命。
- 注意: 电线电缆安装应由熟悉电线电缆性能的安装人员或专业技术人员担任, 如有不清事项, 请向相关技术部门或我公司技术部咨询。

珠峰电缆大名有限公司