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公司简介



企业精神: 爱岗敬业 真心奉献 求实创新 诚信共赢
 Enterprise Spirit: Love and Dedication; True Devotion; Realistic Innovation; Integrity and Win-win
企业愿景: 造一流产品 树百年品牌
 Enterprise Vision: Make First-class Products; Set up one-Century Brand
企业宗旨: 为社会创造财富 为客户创造价值
 Enterprise Tenet: Making Wealth for Society; Creating Value for Customers
经营理念: 坚持专业化追求规范化
 Management Idea: Insist on Specialization; Pursuit of Standardization
质量方针: 锐意改革积极进取强化管理科技领先
 Quality Policy: Reform with Determination; Keep Forging Ahead; Strengthen Management; Advance Technologically
工作方针: 高效整洁安全完美
 Work Policy: High Efficiency; Clean Environment; Safety control; Perfection pursuit
系列价值: 人才观服务观发展观质量观
 Serial Value: View of Talents; View of Service; View of Development; View of Quality
社会责任: 品质至上持续发展
 Social Responsibility: Quality First; Sustained Development

上海飞航电线电缆有限公司

上海飞航电线电缆有限公司是一家电线电缆专业性生产企业,为上海市电力公司与上海电气集团合资成立的上海电气输配电集团有限公司下属国有控股公司。企业创建于1984年12月,现占地250亩,净资产3.5亿元,总资产9.5亿元,员工300余名,其中管理人员30人,专业技术人员43人,研发设计人员30人。企业生产装备精良,检测手段齐全,先后从国外引进具有当今世界先进水平的生产设备 & 检测仪器。产品涵盖110kV及以下的高、中、低压电力电缆包括阻水、阻燃、耐火型电力电缆、电梯电缆、电气装备用电缆、充电桩电缆、光伏电缆、风能电缆等特种电缆。主要服务于以国家电力系统为主,并覆盖电气、铁路、石油化工、航空、工业及民用建设等领域。为中南海电气改造、奥运场馆建设、长江三峡水利枢纽工程、广深铁道电气化改造工程、上海东方明珠、浦东国际机场、上海世博会、亚信峰会、永大电梯、比亚迪集团等重点项目或公司所选用。

飞航以优质品牌形象闻名于客户、以优秀的企业管理著称于行业。先后通过了ISO9001质量管理认证、ISO14001环境管理体系认证、OHSAS18001职业健康体系认证。“飞航牌”电线电缆被认定为上海市名牌产品,获得新产品科技奖称号并被评为上海市著名商标;飞航公司先后获得上海市文明单位、上海市工业企业500强、上海技术中心、松江区100强企业、合同信用等级AAA级企业、上海市“守合同重信用”单位、纳税标兵企业、上海市科技小巨人、上海市高新技术企业、上海市五一劳动奖状等荣誉称号。公司总经理石海云先后获得“全国劳动模范”荣誉称号、全国五一劳动奖章、“上海市劳动模范”称号、苏浙皖赣沪地区质量工作先进个人、松江区首届区长质量奖个人奖。

Shanghai Feihang Wire's & Cable's Co., Ltd

Shanghai Feihang wire's & Cable's Co., Ltd. is a wire and cable professional production enterprises, is the Shanghai Electric Power Company and the Shanghai Electric Group, a joint venture Shanghai Electric Power Transmission and Distribution Group Co., a subsidiary of state-owned holding enterprises. Company founded in December 1984, now covers an area of 250 acres, the net assets of Three hundred and fifty million RMB Yuan, total assets of Nine hundred and fifty million RMB Yuan, more than 300 employees, including 30 management personnel, professional and technical personnel 43 people, Research and design staff 30 people. Sophisticated production equipment, has introduced from abroad with the world's advanced level of production equipment and testing equipment. Products covered by 110kV and below the following high, low voltage cables and water resistance, flame retardant, elevator cable, equipment cable, charging pile cable, photovoltaic cable, wind power cable and other special cables. Mainly serves the national electric power system, and covers the electric, railway, petrochemical, aviation, industrial and civil construction, etc. Product has been used in Zhongnanhai electric transformation, Olympic venue construction, the Yangtze River Three Gorges project, Guangshen railway electrification project, Shanghai Oriental Pearl, Pudong International Airport, Shanghai World Expo, CICA Summit, Yungtay Elevator Equipment(China) Co., Ltd, BYD Company Limited and other key projects or enterprise.

Our company is famous for its high quality brand image, and is famous for its excellent enterprise management. The company has passed the ISO9001 quality management certification, ISO14001 environmental management system certification, OHSAS18001 occupational health system certification. "Feihang" brand wire and cable has been identified as the title of brand-name products in Shanghai and new product award of science and technology. "Feihang" trademark was rated as the famous trademark in Shanghai; Aviation company has been awarded for the Shanghai city civilization unit, Shanghai city industrial enterprise 500 strong, technical center in Shanghai, Songjiang District 100 strong companies, contract credit rating of AAA grade enterprise, Shanghai "keep contacts regard credit" enterprises, Songjiang District integrity standards enterprise, Model of tax payment, Shanghai little giant enterprise of Science and technology, Shanghai high-tech enterprises, Shanghai 5.1 Labor Award etc., Shi Hai Yun, the general manager of the company has received the honorary title of "national model workers", "the national labor medal", "Shanghai model worker", Jiangsu, Zhejiang, Anhui, Jiangxi, Shanghai area quality work advanced individual, the first Mayor Quality Award Individual of Songjiang District.

Factory

厂区



生产设备



新生产基地鸟瞰图 Aerial View of the New Production Base



德国TROESTER公司HCCV生产线 German TROESTER Company HCCV Production Line



厂房一角
Corner of the Workshop



德国niehoff 高速大拉机
Germany NIEHOFF High Speed Machine



法国POURTIER盘绞机
France POURTIER Disk Twister



金属护套生产线
Metal Sheath Production Line



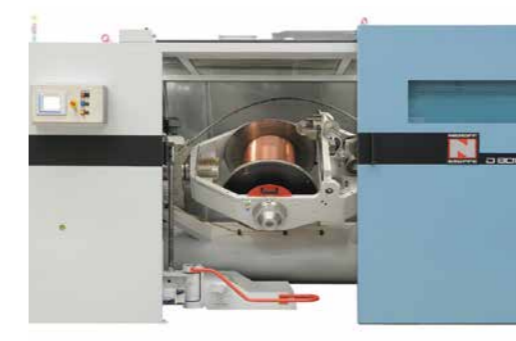
国产高速生产线设备
Domestic High-speed Production Line Equipment



法国POURTIER框绞机
France POURTIER Stranding Machine



去气房
Degassing Room



德国niehoff 束丝机
German NIEHOFF Bundle Wire Machine



局放实验室
PD Laboratory



实验室 Laboratory

第一试验室简介

本第一试验室是在1992年建立的测试室基础上于2015年扩建而成的，面积为1000余平方米，自2015年8月15日开始投入使用。内设样品准备室、电性能试验室、机械性能试验室、老化试验室、低温试验室、弯曲试验室、300万次疲劳试验室、耐火试验室、烟密度试验室和燃烧试验室等10余间独立试验室。主要承担公司原材料、半成品及成品的各种性能测试任务，同时承担各类研发产品的过程试验工作。

本第一试验室采用行业内先进测试仪器，并通过权威计量机构进行检定和校准，主要试验设备有单双臂电桥、电缆截面投影仪、微机控制电子万能试验机、微控拉力试验机、半导体橡塑电阻测试仪、塑料超低温脆性测试仪、热老化试验箱、耐压试验台、耐火测试仪、单根燃烧测试仪、成束燃烧试验箱，300万次疲劳测试仪、线材扭转试验机等30余台试验设备，试验项目可达到50多种。

本第一试验室设有专职试验人员，其资格均为通过国家电线质量监督检验中心专业培训、考核并发证。

Brief Introduction about the First Laboratory

The first laboratory was expanded in 2015 on the basis of the test room established in 1992, which covers an area of more than 1000 square meters and has been in use since August 15th, 2015. There are more than 10 independent laboratories, which include sample preparation room, electrical performance laboratory, mechanical performance test room, aging test room, low temperature test room, bend laboratory, 3 million fatigue test room, refractory laboratory, smoke density test room and combustion test room. It is mainly responsible for all kinds of performance testing tasks of the company's raw materials, semi-finished products and finished products. The lab also undertakes process tests of all kinds of R & D product.

The first laboratory uses advanced testing instruments in the industry and performs verification and calibration through authoritative metrology institutions, which includes more than 30 test equipment, such as Wheatstone Bridge, Double Bridge, Cable Projectors, Microcomputer Control Electronic Universal Testing Machine, Micro Tensile Testing Machine, Rubber Plastic Semiconductor Resistance Tester, Ultra-low Temperature Brittleness Test Instrument, Heat Aging Test Box, Pressure Test, Resistance Test Instrument, Single Combustion Tester, Bundle Burning Test Box, 3-million-times Fatigue Test Instrument, Wire Torsion Testing Machine and so on. More than 50 kinds of test items can be performed.

The first laboratory has full-time test personnel, and their qualifications have been passed through the national electrical quality supervision and inspection center professional training, assessment and certification.



试验室内
Laboratory Interior



公司第一实验室



厂区
Factory

实验室



耐压试验
Withstanding Voltage Test



电性能试验
Electrical Performance Test



电梯电缆疲劳模拟试验
Fatigue Simulation Test of Elevator Cable



荣誉和资质
Honors and Qualifications



曲绕试验装置
Bending Test Device

实验室



非金属拉力试验
Tensile Test of Nonmetal



老化烘箱
Aging Oven



氧指数和单根阻燃试验
Oxygen Index and Single Flame Retardant Test



绝缘护套材料制样
Preparation of Insulating Sheath Material



卤素测试
Halogen Test



烟密度和耐火试验
Smoke Density and Fire Resistance Test



导体拉力试验
Conductor Tension Test



制样室
Sample Room



成束电缆燃烧试验
Beam Cable Combustion Test



低温试验装置
Cryogenic Test Equipment

主要产品 Main Products

聚氯乙烯绝缘电力电缆 PVC Insulated Power Cable

- 本产品绝缘采用70℃聚氯乙烯绝缘料。适用于工频额定电压0.6/1kV输配电系统；
The insulation of the product uses 70℃ PVC insulated material.
- 性能符合国家标准GB/T12706-2008；
The performance accords with national standard GB/T12706-2008
- 导体最高额定工作温度70℃，短路（最长持续时间5秒）最高温度不超过160℃；
Maximum rated operating temperature of conductor is 70℃, short circuit (maximum duration is 5 seconds) maximum temperature would not exceed 160℃.
- 敷设时允许的弯曲半径：单芯电缆不小于20倍电缆外径；多芯电缆不小于15倍电缆外径；
Allowable bending radius for laying: the single Conductor cable shall be no less than 20 times the cable outer diameter; multi-Conductor cables shall be no less than 15 times the cable outer diameter.
- 敷设时环境温度不低于0℃的条件下，无须预先加热。
When the ambient temperature is not less than 0 DEG C, no heating is needed.

产品规格 Specification

型号 Model		名称 Name	使用范围 Range of Application	芯数 Number of Conductors	标称截面 Nominal Cross Section
铜芯 Copper Conductor	铝芯 Aluminum Conductor				
VV CU/PVC/PVC	VLV AL/PVC/PVC	聚氯乙烯绝缘聚氯乙烯护套电力电缆 PVC Insulated PVC Sheathed Power Cable	敷设在室内，室外，在隧道内须固定在托架上，穿混凝土管道或敷设在电缆沟中以及在松散土壤中直埋。电缆不能承受压力，但允许承受一定的敷设牵引 Laid indoors and outdoors, shall be secured to the supports in the tunnel, worn through concrete ducts or laid in cable trenches and buried directly in loose soil. The cable can not withstand the pressure, but it is allowed to bear certain laying traction.	1	1.5~630
VY CU/PVC/PE	VLY AL/PVC/PE	聚氯乙烯绝缘聚乙烯护套电力电缆 PVC Insulated and PE Sheathed Power Cable			
VV ₂₂ CU/PVC/STA/ PVC	VLV ₂₂ AL/PVC/STA/ PE	聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 PVC Insulated Steel Tape Armored PVC Sheathed Power Cable	敷设在地下，电缆能承受一定压力，但不能承受大的拉力 Buried in the ground, the cable can withstand certain pressure, but can not withstand large tensile force	2~5	1.5~400
VY ₂₃ CU/PVC/STA/PE	VLY ₂₃ AL/PVC/STA/ PE	聚氯乙烯绝缘钢带铠装聚乙烯护套电力电缆 PVC Insulated Steel Tape Armored PE Sheathed Power Cable			

不同环境温度下的载流量修正系数

Correction factor of ampacity under different environmental temperatures

工作温度 Working Temperature	空气温度 Air Temperature										土壤温度 Soil Temperature					
	°C	10	15	20	25	30	35	40	45	50	10	15	20	25	30	35
70	1.41	1.35	1.29	1.22	1.15	1.08	1.00	0.91	0.81	1.15	1.11	1.05	1.00	0.94	0.88	

交联聚乙烯绝缘电力电缆(0.6~1kV) XLPE Insulated Power cable(0.6~1kV)

- 本产品绝缘采用90℃交联聚乙烯绝缘料，适用于工频额定电压0.6/1kV输配电系统；
The insulation of the product uses 90℃ XLPE insulated material, and it is suitable for power frequency rated voltage 0.6/1kV transmission and distribution system.
- 性能符合国家标准GB/T12706-2008；
The performance accords with national standard GB/T12706-2008
- 导体最高额定工作温度90℃，短路（最长持续时间5秒）最高温度不超过160℃；
Maximum rated operating temperature of conductor is 90℃, short circuit (maximum duration is 5 seconds) maximum temperature would not exceed 160℃.
- 敷设时允许的弯曲半径：单芯电缆不小于25倍电缆外径；多芯电缆不小于20倍电缆外径；
Allowable bending radius for laying: the single Conductor cable shall be no less than 25 times the cable outer diameter; multi-Conductor cables shall be no less than 20 times the cable outer diameter.
- 敷设时环境温度不低于0℃的条件下，无须预先加热。
When the ambient temperature is not less than 0 DEG C, no heating is needed.

产品规格 Specification

型号 Model		名称 Name	使用范围 Range of Application	芯数 Number of Conductors	标称截面 Nominal Cross Section
铜芯 Copper Conductor	铝芯 Aluminum Conductor				
YJV CU/XLPE/PVC	YJLV AL/XLPE/PVC	交联聚乙烯绝缘聚氯乙烯护套电力电缆 XLPE Insulated PVC Sheathed Power Cable	敷设在室内，室外，在隧道内须固定在托架上，穿混凝土管道或敷设在电缆沟中以及在松散土壤中直埋。电缆不能承受压力，但允许承受一定的敷设牵引 Laid indoors and outdoors, shall be secured to the supports in the tunnel, worn through concrete ducts or laid in cable trenches and buried directly in loose soil. The cable can not withstand the pressure, but it is allowed to bear certain laying traction.		
YJY CU/XLPE/PE	YJLY AL/XLPE/PE	交联聚乙烯绝缘聚乙烯护套电力电缆 XLPE Insulated and PE Sheathed Power Cable		1-5	1.5~400mm ² 注： 单芯可以做到630mm ² 1.5~400mm ² Remark: Single Conductor can reach 630mm ²
JYV ₂₂ CU/XLPE/STA/ PVC	YJLV ₂₂ AL/XLPE/ STA/PVC	交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 XLPE Insulated Steel Tape Armored PVC Sheathed Power Cable	敷设在地下，电缆能承受一定压力，但不能承受大的拉力 Buried in the ground, the cable can withstand certain pressure, but can not withstand large tensile force		
YJY ₂₃ CU/XLPE/STA/ PE	YJLY ₂₃ AL/XLPE/ STA/PE	交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 XLPE Insulated Steel Tape Armored PE Sheathed Power Cable			

不同环境温度下的载流量修正系数

Correction factor of ampacity under different environmental temperatures

工作温度 Working Temperature	空气温度 Air Temperature										土壤温度 Soil Temperature						
	°C	10	15	20	25	30	35	40	45	50	5	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	1.14	1.11	1.07	1.04	1.00	0.96	0.95	

交联聚乙烯绝缘电力电缆(6~15kV) XLPE Insulated Power Cable(6~15kV)

- 本产品采用芬兰耐斯隆（诺基亚）三层共挤化学交联生产线制造；
This product uses the Finland Nextrom (NOKIA) three layer co extrusion production line for manufacturing chemical cross-linking.
- 适用于6-15kV线路固定敷设；
It is suitable for fixed laying of 6~15kV line.
- 电缆性能符合GB/T12706-2008和IEC502-97的规定；
The performance of cables accords with the stipulate of GB/T12706-2008 and IEC60502-97.
- 交联聚乙烯绝缘电力电缆最高额定工作温度为90℃；
Maximum rated operating temperature of XLPE insulated power cable is 90℃；
短路时（最长持续时间不超过5S）电缆导体的最高温度不超过250℃；
short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 250℃.
- 敷设时允许弯曲半径：单芯电缆不小于20倍电缆外径；多芯电缆不小于15倍电缆外径；
Allowable bending radius for laying: the single Conductor cable shall be no less than 20 times the cable outer diameter; multi-Conductor cables shall be no less than 15 times the cable outer diameter.
- 电缆敷设温度不低于0℃。
The temperature of laying cables would not be less than 0℃。



电缆型号名称 Specification of products

型号 Model	名称 Name
YJV CU/XLPE/PVC	YJLV AL/XLPE/PVC 铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Copper or Aluminium Conductor XLPE Insulated and PVC Sheathed Power Cable
YJY CU/XLPE/PE	YJLY AL/XLPE/PE 铜芯或铝芯交联聚乙烯绝缘聚乙烯护套电力电缆 Copper or Aluminium Conductor XLPE Insulated and PE Sheathed Power Cable
YJV ₂₂ CU/XLPE/STA/PVC	YJLV ₂₂ AL/XLPE/STA/PVC 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 Copper or Aluminium Conductor XLPE Insulated Steel Tape Armored PVC Sheathed Power Cable
YJV ₂₃ CU/XLPE/STA/PE	YJLV ₂₃ AL/XLPE/STA/PE 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 Copper or Aluminium Conductor XLPE Insulated Steel Tape Armored PE Sheathed Power Cable
YJV ₃₂ CU/XLPE/SWA/PVC	YJLV ₃₂ AL/XLPE/SWA/PVC 铜芯或铝芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套电力电缆 Copper or Aluminium Conductor XLPE Insulated Steel Wire Armored PVC Sheathed Power Cable
YJV ₃₃ CU/XLPE/SWA/PE	YJLV ₃₃ AL/XLPE/SWA/PE 铜芯或铝芯交联聚乙烯绝缘钢丝铠装聚乙烯护套电力电缆 Copper or Aluminium Conductor XLPE Insulated Steel Wire Armored PE Sheathed Power Cable
YJAY CU/XLPE/CWL/PE	YJLAY AL/XLPE/CWL/PE 铜芯或铝芯交联聚乙烯绝缘综合防水层电力电缆 Copper or Aluminium Conductor XLPE Insulated Comprehensive Waterproof Layer Power Cable

用途 Use

型号	适用范围
YJV YJLV YJY YJLY	适用于敷设在室内，室外，在隧道内须固定在托架上，穿混凝土管道或敷设在电缆沟中以及在松散土壤中直埋。电缆不能承受压力，但允许承受一定的敷设牵引。
YJV ₂₂ YJLV ₂₂ YJV ₂₃ YJLV ₂₃	敷设在地下，电缆能承受一定的压力，但不能承受大的拉力
YJAY YJAY	用于对电缆外层有阻水要求的场合。

6/6kV, 6/10kV

单芯 Single Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Thickness	内衬层的大约厚度 Approx Inner Covering Thickness	铠装电线 厚度Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大约值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘的标准长度 Standard Length Per Drum
						铜芯 Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
25	0.8	1.2	0.2	1.8	21.0	916	762	
35	0.8	1.2	0.2	1.8	22.0	1068	854	
50	0.8	1.2	0.2	1.8	24.0	1248	941	
70	0.8	1.2	0.2	1.8	25.0	1568	1139	
95	0.8	1.2	0.2	1.9	27.0	1876	1294	
120	0.8	1.2	0.5	1.9	28.0	2180	1444	
150	0.8	1.2	0.5	2.0	30.0	2564	1645	
185	0.8	1.2	0.5	2.1	32.0	2983	1849	
240	0.8	1.2	0.5	2.1	34.0	3636	2165	
300	0.8	1.2	0.5	2.2	37.0	4672	2833	
400	0.8	1.3	0.5	2.3	41.0	5708	3502	

三芯 Three Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大约厚度 Approx Inner Covering Thickness	铠装电线 厚度Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大约值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘的标准长度 Standard Length Per Drum
						铜芯Copper	铝芯Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
25	0.8	1.3	0.5	2.4	49.1	3097	2637	
35	0.8	1.3	0.5	2.4	51.5	3622	2979	
50	0.8	1.4	0.5	2.6	54.5	4268	3349	
70	0.8	1.5	0.5	2.7	58.3	5047	3759	
95	0.8	1.5	0.5	2.8	62.2	6165	4418	
120	0.8	1.6	0.5	2.9	65.4	7046	4839	
150	0.8	1.6	0.5	3.0	69.1	8139	5381	
185	0.8	1.7	0.5	3.1	72.7	9457	6055	
240	0.8	1.8	0.5	3.3	77.9	11509	7095	
300	0.8	1.9	0.5	3.5	82.6	14428	8911	
400	0.8	2.0	0.8	3.7	88.4	17230	10609	

8.7/10kV, 8.7/15kV

单芯 Single Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大 约厚度 Approx Inner Covering Thickness	铠装电线厚度 Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大 约值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘 的标准长度 Standard Length Per Drum
						铜芯 Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
25	0.8	1.2	0.2	1.8	29.1	1228	1075	
35	0.8	1.2	0.2	1.8	30.1	1376	1161	
50	0.8	1.2	0.2	1.8	31.6	1563	1256	
70	0.8	1.2	0.2	1.9	33.3	1888	1459	
95	0.8	1.2	0.5	2.0	35.1	2228	1646	
120	0.8	1.2	0.5	2.0	36.5	2527	1791	
150	0.8	1.2	0.5	2.1	38.3	2911	1992	
185	0.8	1.2	0.5	2.1	39.9	3396	2262	
240	0.8	1.2	0.5	2.2	42.5	4330	2859	
300	0.8	1.3	0.5	2.3	44.8	5037	3198	
400	0.8	1.3	0.5	2.4	47.7	6114	3536	

三芯 Three Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大 约厚度 Approx Inner Covering Thickness	铠装电线厚度 Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大 约值 Approx Overall Diameter	电缆重量的大约值 Approx Cable Weight		每一电缆盘 的标准长度 Standard Length Per Drum
						铜芯Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
25	0.8	1.4	0.5	2.5	54.3	3685	3226	
35	0.8	1.4	0.5	2.6	56.9	4128	3484	
50	0.8	1.5	0.5	2.7	60.1	4688	3768	
70	0.8	1.5	0.5	2.8	64.1	5664	4377	
95	0.8	1.6	0.5	2.9	68.0	6684	4937	
120	0.8	1.7	0.5	3.1	71.4	7580	5373	
150	0.8	1.7	0.5	3.2	75.3	8733	5975	
185	0.8	1.8	0.5	3.3	78.9	10187	6785	
240	0.8	1.9	0.5	3.5	84.3	12991	8578	
300	0.8	2.0	0.8	3.7	89.4	15111	9595	
400	0.8	2.1	0.8	3.9	95.4	17348	10725	

用途 Use

型号	适用范围
YJV CU/XLPE/PVC	YJLV AL/XLPE/PVC
YJV ₂₂ CU/XLPE/STA/PVC	YJLV ₂₂ AL/XLPE/STA/PVC
YJV ₂₃ CU/XLPE/STA/PE	YJLV ₂₃ AL/XLPE/STA/PE
YJV ₃₂ CU/XLPE/SWA/PVC	YJLV ₃₂ AL/XLPE/SWA/PVC
YJV ₃₃ CU/XLPE/SWA/PE	YJLV ₃₃ AL/XLPE/SWA/PE
YJAY	YJAY

适用于敷设在室内，室外，在隧道内须固定在托架上，穿混凝土管道或敷设在电缆沟中以及在松散土壤中直埋。电缆不能承受压力，但允许承受一定的敷设牵引。
It is suitable for laying indoors and outdoors, must be fixed on a bracket in a tunnel, and can be worn through a concrete pipe or laid in a cable ditch and buried directly in loose soil. The cable cannot withstand the pressure, but allows for a certain amount of radiation traction.

敷设在地下，电缆能承受一定的压力，但不能承受大的拉力
Buried in the ground, the cable can withstand some pressure, but can not withstand large tensile force.

用于对电缆外层有阻水要求的场合。
It is used for the water resisting requirement of the outer layer of cables.

电缆规格 Specification of Cables

型号 Model	芯数 Number of Conductors	额定电压 Rated Voltage			
		3.6/6	6/6	6/10	8.7/10 8.7/15
		标称截面 mm ² Nominal Cross Section (mm ²)			
YJV Nominal Cross Section (mm ²)	YJLV AL/XLPE/PVC				
YJV ₂₂ CU/XLPE/STA/PVC	YJLV ₂₂ AL/XLPE/STA/PVC				
YJV ₂₃ CU/XLPE/STA/PE	YJLV ₂₃ AL/XLPE/STA/PE				
YJV ₃₂ CU/XLPE/SWA/PVC	YJLV ₃₂ AL/XLPE/SWA/PVC				
YJV ₃₃ CU/XLPE/SWA/PE	YJLV ₃₃ AL/XLPE/SWA/PE				
YJAY CU/XLPE/CWL/PE	YJLAY AL/XLPE/CWL/PE				

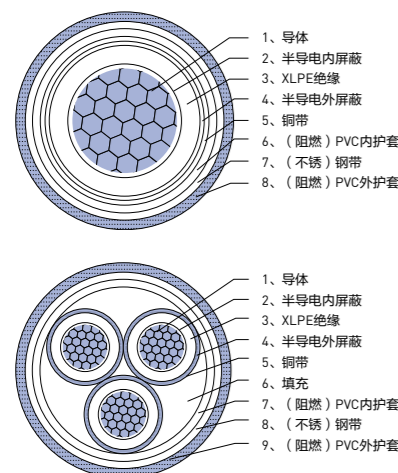
1.3
25~400
25~400
25~400

不同环境温度下的载流量修正系数

Correction factor of current-carrying capacity under different environmental temperatures

环境温度 Ambient Temperature	修正系数 空气中 Correction Factor On the Air	修正系数 土壤中 Correction Factor On the Soil
10	1.26	1.11
15	1.22	1.07
20	1.18	1.04
25	1.14	1.00
30	1.09	0.96
35	1.04	0.92
40	1.00	
45	0.94	
50	0.89	

35kV交联聚乙烯绝缘电力电缆 35kV XLPE Insulated Power Cable



- 本系列电缆产品按GB/T12706-2008、GB/T18380-2001规定组织生产；
This series of cable products accord with GB/T12706-2008, GB/T18380-2001 to organize production. ←和IEC60502标准（33kV电缆适用）→ and IEC 60502（for 33kV cables）
- 本系列产品主要适用于额定电压26/35kV输配电系统中，作传输电能用；
This series of cable products are mainly applicable for 26/35kV transmission and distribution system to transmit electric energy.
- 本系列产品阻燃电缆适用于电缆敷设密度大，防火要求严格的场合，其显著特点：一是不易起火，二是起火或遇外界火灾后，火焰沿电缆方向蔓延困难且自歇，从而可避免火灾沿电缆蔓延扩大，大大减少火灾面积和损失；
This series of products is suitable for occasions with large cable laying density and strict fire protection requirements. The salient features are: First, it is not easy to fire. Second, when on fire or after an outside fire, the flame spreads along the cable direction difficultly and will stop itself, thus preventing fire from spreading along the cable and reducing fire area and loss greatly.
- 电缆长期使用导体最高工作温度90℃；
The maximum working temperature of conductor is 90℃ for long time use of conductor.
- 短路时（最长持续时间不超过5秒）电缆导体的最高温度不超过250℃；
Maximum rated operating temperature of XLPE insulated power cable is 90℃; short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 250℃.
- 电缆敷设时不受落差限制，敷设温度不低于0℃；
When the cable is laid, it shall not be limited by drop and the laying temperature shall be no less than 0℃.
- 敷设时允许弯曲半径，单芯电缆敷设不小于电缆外径25倍；多芯电缆敷设不小于电缆外径20倍。
Allowable bending radius for laying: the single Conductor cable shall be no less than 25 times the cable outer diameter; multi-Conductor cables shall be no less than 20 times the cable outer diameter.

电缆型号名称 Name of cable type

型号 Type	名称 Name
(ZR-)YJV (Flame Retardant-)CU/XLPE/PVC	铜芯交联聚乙烯绝缘聚氯乙烯护套（阻燃）电力电缆 Copper Conductor XLPE Insulated PVC Sheathed (Flame Retardant) Power cable
(ZR-)YJLV (Flame Retardant-)AL/XLPE/PVC	铝芯交联聚乙烯绝缘聚氯乙烯护套（阻燃）电力电缆 Aluminum Conductor XLPE Insulated PVC Sheathed (Flame Retardant) Power cable
(ZR-)YJY (Flame Retardant-)CU/XLPE/PE	铜芯交联聚乙烯绝缘聚乙烯护套（阻燃）电力电缆 Copper Conductor XLPE Insulated PE Sheathed (Flame Retardant) Power Cable
(ZR-)YJLV (Flame Retardant-)AL/XLPE/PE	铝芯交联聚乙烯绝缘聚乙烯护套（阻燃）电力电缆 Aluminum Conductor XLPE Insulated PE Sheathed (Flame Retardant) Power Cable
(ZR-)YJV ₃₂ (Flame Retardant-)CU/XLPE/STA/PVC	铜芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套（阻燃）电力电缆 Copper Conductor XLPE Insulated Steel Tape Armored PVC Sheathed (Flame Retardant) Power Cable
(ZR-)YJLV ₃₂ (Flame Retardant-)AL/XLPE/STA/PVC	铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套（阻燃）电力电缆 Aluminum Conductor XLPE Insulated Steel Tape Armored PVC Sheathed (Flame Retardant) Power Cable
(ZR-)YJY ₃₂ (Flame Retardant-)CU/XLPE/STA/PE	铜芯交联聚乙烯绝缘钢带铠装聚乙烯护套（阻燃）电力电缆 Copper Conductor XLPE Insulated Steel Tape Armored PE Sheathed (Flame Retardant) Power Cable
(ZR-)YJLY ₃₂ (Flame Retardant-)AL/XLPE/STA/PE	铝芯交联聚乙烯绝缘钢带铠装聚乙烯护套（阻燃）电力电缆 Aluminum Conductor XLPE Insulated Steel Tape Armored PE Sheathed (Flame Retardant) Power Cable
(ZR-)YJV ₃₂ (Flame Retardant-)CU/XLPE/SWA/PVC	铜芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套（阻燃）电力电缆 Copper Conductor XLPE Insulated Steel Wire Armored PVC Sheathed (Flame Retardant) Power Cable
(ZR-)YJLV ₃₂ (Flame Retardant-)CU/XLPE/SWA/PVC	铝芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套（阻燃）电力电缆 Aluminum Conductor XLPE Insulated Steel Wire Armored PVC Sheathed (Flame Retardant) Power Cable



电缆型号规格 Cable type specification

型号 Type	额定电压 Rated Voltage	芯数 Number of Conductors	标称截面 Nominal Cross Section
[ZR-]YJV (Flame Retardant-)CU/ XLPE/PVC		1	50mm ² ~800mm ²
[ZR-]YJLV (Flame Retardant-)AL/ XLPE/PVC			
[ZR-]YJY (Flame Retardant-)CU/ XLPE/PE		3	50mm ² ~400mm ²
[ZR-]YJLY (Flame Retardant-)AL/ XLPE/PE			
[ZR-]YJV ₂₂ (Flame Retardant-)CU/ XLPE/STA/PVC	26/35kV		
[ZR-]YJLV ₂₂ (Flame Retardant-)AL/ XLPE/STA/PVC			
[ZR-]YJV ₂₃ (Flame Retardant-)CU/ XLPE/STA/PE			
[ZR-]YJLV ₂₃ (Flame Retardant-)AL/ XLPE/STA/PE			
[ZR-]YJV ₃₂ (Flame Retardant-)CU/ XLPE/STA/PVC			
[ZR-]YJLV ₃₂ (Flame Retardant-)AL/ XLPE/STA/PVC			

18/30kV

单芯 Single Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大约 厚度 Approx Inner Covering Thickness	铠装电线厚度 Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大约 值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘 的标准长度 Standard Length Per Drum
						铜芯Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
25	0.8	1.2	0.5	2.0	35.8	1804	1649	
35	0.8	1.2	0.5	2.1	36.9	1965	1749	
50	0.8	1.2	0.5	2.1	38.3	2194	1884	
70	0.8	1.2	0.5	2.2	39.9	2482	2049	
95	0.8	1.2	0.5	2.2	41.6	2823	2234	
120	0.8	1.2	0.5	2.3	43.1	3150	2406	
150	0.8	1.3	0.5	2.3	44.8	3547	2617	
185	0.8	1.3	0.5	2.4	46.6	3987	2840	
240	0.8	1.3	0.5	2.5	49.1	4653	3165	
300	0.8	1.4	0.5	2.5	51.6	5399	3539	
400	0.8	1.4	0.5	2.6	54.5	6488	4008	

18/30kV

三芯 Three Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大约 厚度 Approx Inner Covering Thickness	铠装电线厚度 Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大约 值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘 的标准长度 Standard Length Per Drum
						铜芯Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
25	0.8	1.7	0.5	3.1	68.3	5116	4722	
35	0.8	1.7	0.5	3.2	70.7	5650	5080	
50	0.8	1.8	0.5	3.3	73.9	6439	5603	
70	0.8	1.8	0.5	3.4	77.3	7387	6195	
95	0.8	1.9	0.5	3.5	81.2	8538	6898	
120	0.8	2.0	0.5	3.7	86.0	9710	7618	
150	0.8	2.0	0.5	3.7	89.0	10855	8220	
185	0.8	2.1	0.5	3.8	93.1	13321	10052	
240	0.8	2.2	0.5	4.0	98.7	15549	11280	
300	0.8	2.3	0.5	4.2	104.0	17909	12547	
400	0.8	2.4	0.5	4.4	110.5	21483	14288	

26/35kV

单芯 Single Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大约 厚度 Approx Inner Covering Thickness	铠装电线厚度 Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大约 值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘 的标准长度 Standard Length Per Drum
						铜芯Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
50	0.8	1.3	0.5	2.3	46.9	4012	3704	
70	0.8	1.3	0.5	2.3	48.8	4397	3965	
95	0.8	1.3	0.5	2.4	50.8	4839	4254	
120	0.8	1.3	0.5	2.5	52.2	5223	4483	
150	0.8	1.4	0.5	2.5	53.9	5673	4749	
185	0.8	1.4	0.5	2.6	55.7	6194	5053	
240	0.8	1.4	0.5	2.6	58.2	6962	5483	
300	0.8	1.5	0.5	2.7	60.5	7752	5902	
400	0.8	1.5	0.5	2.8	63.2	8946	6480	

26/35kV

三芯 Three Core

导体标称截面 Conductor Nominal Area	屏蔽厚度 Insulation Thickness	内衬层的大约 厚度 Approx Inner Covering Thickness	铠装电线厚度 Armor Wire Size	外护套厚度 Outer Sheath Thickness	总直径的大约 值 Approx Overall Diameter	电缆重量的大约值Approx Cable Weight		每一电缆盘 的标准长度 Standard Length Per Drum
						铜芯Copper	铝芯 Aluminum	
mm ²	mm	mm	mm	mm	mm	kg/km		m
50	0.8	2.0	0.8	3.7	86.9	9002	8079	
70	0.8	2.1	0.8	3.8	90.9	10091	8797	
95	0.8	2.12	0.8	3.9	95.3	11356	9601	
120	0.8	2.2	0.8	4.1	98.1	12426	10206	
150	0.8	2.3	0.8	4.2	102.0	13772	10997	
185	0.8	2.3	0.8	4.3	105.8	15260	11838	
240	0.8	2.4	0.8	4.5	111.1	17499	13060	
300	0.8	2.5	0.8	4.6	116.4	19888	14339	
400	0.8	2.6	0.8	4.9	122.1	23426	16028	

电缆适用范围 Scope of application

型号 Type	主要适用范围 Main Scope of Application
[ZR-]YJV (Flame Retardant-)CU/XLPE/PVC	[ZR-]YJLV (Flame Retardant-)AL/XLPE/PVC 适用于室内、隧道内和固定在托架上、管道中（有阻燃要求的场合）及直接埋地。电缆不能承受机械外力作用，但可承受一定的牵引力。 It is suitable for indoor, tunnel and fixed on brackets, pipes (flame retardant requirements) and direct buried. The cable can not bear the mechanical external force, but it can bear a certain traction.
[ZR-]YJY (Flame Retardant-)CU/XLPE/PE	[ZR-]YJLY (Flame Retardant-)AL/XLPE/PE
[ZR-]YJV ₂₂ (Flame Retardant-)CU/XLPE/STA/PVC	[ZR-]YJLV ₂₂ (Flame Retardant-)AL/XLPE/STA/PVC 敷设在地下，电缆能承受机械外力作用，但不能承受大的拉力。 Laying in the ground, the cable can bear the mechanical external force, but can not withstand large tensile force.
[ZR-]YJY ₂₃ (Flame Retardant-)CU/XLPE/STA/PE	[ZR-]YJLY ₂₃ (Flame Retardant-)AL/XLPE/STA/PE
[ZR-]YJV ₃₂ (Flame Retardant-)CU/XLPE/SWA/PVC	[ZR-]YJLV ₃₂ (Flame Retardant-)CU/XLPE/SWA/PVC 敷设在室内，隧道内及矿井中（有阻燃要求的场合）。电缆能承受机械外力作用并能承受一定的拉力。 Laying indoors, in tunnels and in mines (with fire retardant requirements). The cable can bear the mechanical external force and can bear a certain tension.

电缆主要性能 Main cable performance

性能名称 Name of Performance	单位 Unit	指标 Index
1.73U ₀ 下局部放电量不大于 Under 1.73U ₀ partial discharge is not greater than	pC	10
交流试验电压（持续30分钟不击穿） AC test voltage (lasts 30 minutes without puncture)	kV	65
三次弯曲，热循环后局部放电、1.73U ₀ 电压下、不大于 Three bend, after the thermal cycle, partial discharge, 1.73U ₀ voltage, is not greater than	pC	5
4h交流试验电压 4h AC test voltage	kV	104
冲击试验电压 Impact test voltage	kV	200
冲击后交流试验电压 AC test voltage after impacting	kV	65
90℃±5℃、U ₀ 下、tg δ 不大于 90℃±5℃, under U ₀ , tg δ is not more than	-	10 × 10 ⁻⁴
200℃、15min、20N/cm ² 绝缘热延伸性能 200℃, 15min, 20N/cm ² thermal elongation of insulation	载荷下伸长率 κ Elongation at load κ	% 175
	冷却后永久伸长率 κ Permanent elongation after cooling κ	% 15

66-110kV交联聚乙烯绝缘电力电缆 66-110kV XLPE Insulated Power Cable

执行标准 Implementation standards

GB/T11017-2014额定电压110kV(U_m=126kV)交联聚乙烯绝缘电力电缆及附件
GB/T11017-2014 rated voltage(U_m=126 kV) XLPE insulated power cable and accessories

电缆型号规格和名称 Cable type specification and name

型号 Specification	名称 Name
YJLW02 CU/XLPE/CAS/PVC	铜芯交联聚乙烯绝缘皱纹铝护套聚氯乙烯护套电力电缆 Copper Conductor XLPE Insulated Corrugated Aluminum Sheath PVC Sheathed Power Cable
YJLW02-Z CU/XLPE/CAS/LWR/PVC	铜芯交联聚乙烯绝缘皱纹铝护套聚氯乙烯护套纵向阻水电力电缆 Copper Conductor XLPE Insulated Corrugated Aluminum Sheath PVC Sheathed Longitudinal Water Resistant Power Cable
YJLW03 CU/XLPE/CAS/PE	铜芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套电力电缆 Copper Conductor XLPE Insulated Corrugated Aluminum Sheath PE Sheathed Power Cable
YJLW03-Z CU/XLPE/CAS/LWR/PE	铜芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套纵向阻水电力电缆 Copper Conductor XLPE Insulated Corrugated Aluminum Sheath PE Sheathed Longitudinal Water Resistant Power Cable
YJLLW02 AL/XLPE/CAS/PVC	铝芯交联聚乙烯绝缘皱纹铝护套聚氯乙烯护套电力电缆 Aluminum Conductor XLPE Insulated Corrugated Aluminum Sheath PVC Sheathed Power Cable
YJLLW02-Z AL/XLPE/CAS/LWR/PVC	铝芯交联聚乙烯绝缘皱纹铝护套聚氯乙烯护套纵向阻水电力电缆 Aluminum Conductor XLPE Insulated Corrugated Aluminum Sheath PVC Sheathed Longitudinal Water Resistant Power Cable
YJLLW03 AL/XLPE/CAS/PE	铝芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套电力电缆 Aluminum Conductor XLPE Insulated Corrugated Aluminum Sheath PE Sheathed Power Cable
YJLLW03-Z AL/XLPE/CAS/LWR/PE	铝芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套纵向阻水电力电缆 Aluminum Conductor XLPE Insulated Corrugated Aluminum Sheath PE

使用环境 Using environment

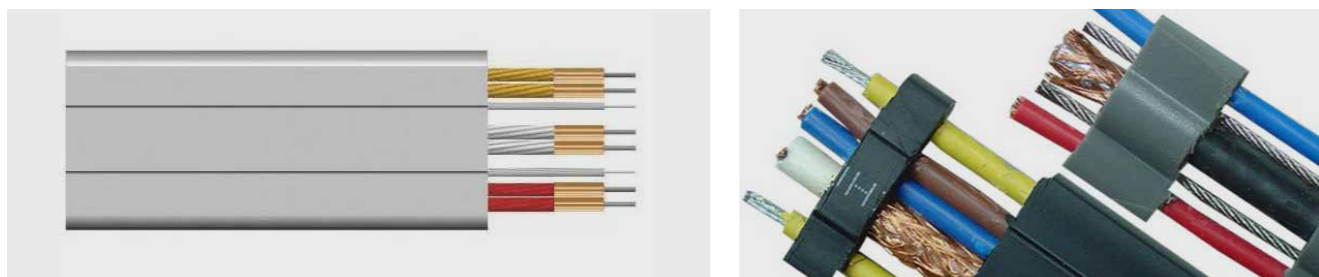
- 电缆导体最高允许温度：正常运行时为90℃；短路时（最长5s）为250℃
Maximum allowed temperature of cable conductor: 90℃ at normal operation time; 250℃ at short circuit(maximum 5 seconds)
- 电缆的安装最小弯曲半径推荐为20倍电缆外径
The minimum bending radius of the cable installation is recommended to be 20 times the cable outer diameter
- PVC护套电缆敷设时环境温度不低于0℃，低于0℃时应预先对电缆加热处理
When the PVC sheathed cable is laid, the ambient temperature shall be no less than 0℃, and the cable shall be heated before being less than 0℃

金属套 Metal sleeve

皱纹铝套适用场所：腐蚀不严重和要求承受一定机械力的场所（如直接与变压器连接，敷设在桥梁上和竖井中等）
Applicable place for corrugated aluminum sleeve: A place where corrosion is not severe and requires a certain mechanical force (such as direct connection with a transformer, laying on a bridge and a shaft)

塑料外护套 Plastic outer sheath

- 聚氯乙烯外护套电缆（02型）主要适用于有一般防火要求和对外护套有一定绝缘要求的高压电缆线路
PVC outer cable cable(02 type) is mainly suitable for high-voltage cable lines with general fire protection requirements and external insulation sheaths with certain insulation requirements.
- 聚乙烯外护套电缆（03型）主要适用于对外护套绝缘要求较高的直埋敷设高压电缆线路。如有必要用于隧道或竖井中时应采取一定的阻燃防火措施
PE outer sheath cable(03 type) is mainly suitable for direct buried high voltage cable line with high external sheath insulation requirements. If necessary for tunnel or shaft, fire retardant measures shall be adopted.



电梯电缆 Elevator Cable

产品标准 Production Standards

GB 5023.6 (IEC 60227-6)

适用范围 Scope of application

本产品适用于交流电压300\500V的电梯信号好电源连接

The production is suitable for elevator signals and power connections AC voltage 300/500V

使用特性 Use characteristics

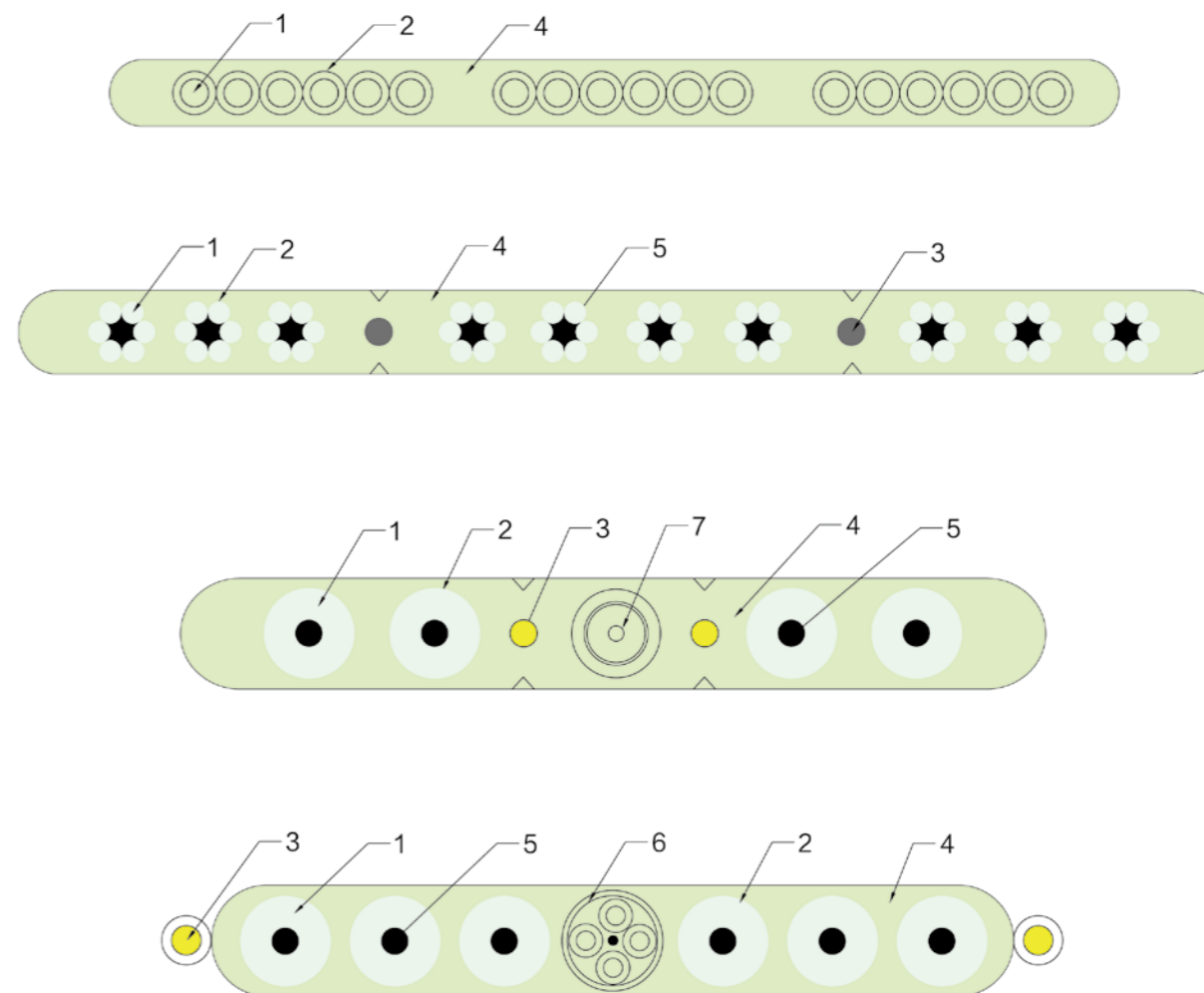
- 额定电压：300\500V (AC)
Rated voltage: 300/500 V(AC)
- 额定工作温度：+70℃
Rated working temperature: +70℃
- 电缆允许在不低于 -15℃的环境温度中使用，如电梯的提升速度超过4m/s或自由悬挂长度大于35米时，应优先选用带加强芯的电缆
Cable is allowed to use under ambient temperature of not less than -15℃. If the elevator lifts faster than 4 m/s or free suspension length is greater than 35m, Cables with reinforced Conductors should be preferentially selected.

型号名称

表1 产品型号及名称

型号 Type	名称 Name
TVVB	聚氯乙烯绝缘聚乙烯护套扁型电缆 PVC insulated and sheathed flat cable
TVVBG	聚氯乙烯绝缘聚乙烯护套有加强芯扁型电梯电缆 PVC insulated and sheathed reinforced core flat type elevator cable
TVVBP	聚氯乙烯绝缘聚乙烯护套扁型带屏蔽电梯电缆 PVC insulated, PVC sheathed flat type elevator cable with shield
TVVBPG	聚氯乙烯绝缘聚乙烯护套扁型带屏蔽和加强芯电梯电缆 PVC insulated, PVC sheathed flat type tape shield and reinforced core elevator cable
TVVBPG-TV	聚氯乙烯绝缘聚乙烯护套扁型带屏蔽、加强芯和视频线电梯电缆 PVC insulated, PVC sheathed flat type tape shield, reinforced core and video cable lift cable

产品结构示意



1、导体；2、绝缘；3加强芯；4、护套；5、衬芯；6、屏蔽；7、射频同轴线RF
1、 conductor; 2、 insulation; 3、 Reinforced core; 4、 sheath; 5、 Lining core; 6、 shielding; 7、 RF coaxial line RF

图1 产品结构示意图

Fig.1 Schematic diagram of product structure

电缆范围 Scope of cables

TVVB 扁型单芯排列 300/500V

TVVB Flat single core array 300/500V

标称截面 Nominal section	芯数 Core number
0.75, 1	8-24

TVVB 扁型绞合 300/500V

TVVB Flat type 300/500V

标称截面 Nominal section	芯数 Core number
0.75, 1, 1.2, 2	18-60

TVVBP 扁型绞合带屏蔽型 300/500V

TVVBP Flat type twisted tape shielding 300/500V

标称截面 Nominal section	芯数 Core number	屏蔽芯数 Shielding core number
0.75, 1	18-60	2-4

TVVBG 扁型绞合带钢芯 300/500V

TVVBG Flat type stranded steel core 300/500V

标称截面 Nominal section	芯数 Core number
0.5, 0.75, 1, 1.2, 2	18-60

TVVBPG 扁型绞合屏蔽带钢芯 300/500V

TVVBPG Flat type shielding twisted steel core 300/500V

标称截面 Nominal section	芯数 Core number	屏蔽芯数 Shielding core number
0.5, 0.75, 1	18-60	2-6

TVVBPG-TV扁型绞合屏蔽带钢芯和视频线 300/500V

TVVBPG-TV flat steel core stranded shielding and video line 300/500V

标称截面 Nominal section	芯数 Core number	屏蔽芯数 Shielding core number	视频线 Video line
0.75, 1	18-48	2-4	1

额定电压450/750V及下聚氯乙烯绝缘电缆电线和软线
PE Insulated Cables, Wires and Cords Rated Below 450/750V

用途 use

适用于交流额定电压450/750V及下电气动力装置、仪器仪表、家用电器、小型电动工具、及动力和照明用。

Applicable to AC rated voltage 450/750V and below: electric power units, instruments, meters, household appliances, small power tools, power and lighting

产品标准 Product Standard

GB/T 5023及JB/T 8734

型号规格 Model Specification

1、固定布电线系列 Fixed wire series:

型号 Type	额定电压 Rated voltage (V)	芯数 Core number	截面积 Sectional area (mm ²)	产品标准 Product standards
60227IEC01 (BV)	450/750	1	1.5~400	GB/T 5023.3
60227IEC05 (BV)	300/500	1	0.5~1.0	GB/T 5023.3
BV	300/500	1	0.75~1.0	JB/T 8734.2
60227IEC07 (BV-90)	300/500	1	0.5~2.5	GB/T 5023.3
BVR	450/750	1	2.5~70	JB/T 8734.2

2、柔软电线电缆系列 Flexible wire and cable series:

型号 Type	额定电压 Rated voltage (V)	芯数 Core number	截面积 Sectional area (mm ²)	产品标准 Product standards
60227IEC02 (RV)	450/750	1	1.5~240	GB/T 5023.3
60227IEC06 (RV)	300/500	1	0.5~1.0	GB/T 5023.3
60227IEC08 (RV-90)	300/500	1	0.5~2.5	GB/T 5023.3
60227IEC52 (RVV)	300/300	2~3	0.5~0.75	GB/T 5023.5
60227IEC53 (RVV)	300/500	2~5	0.75~2.5	GB/T 5023.5
RVV	300/500	2~41	0.5~10	JB/T 8734.3
RVS	300/300	2	0.5~6	JB/T 8734.3

3、安装布线系列 Installation wiring series:

型号 Type	额定电压 Rated voltage (V)	芯数 Core number	截面积 Sectional area (mm ²)	产品标准 Product standards
AV	300/300	1	0.08~0.4	JB/T 8734.4
AVR	300/300	1	0.08~2.5	JB/T 8734.4
AVRB	300/300	2	0.12~0.4	JB/T 8734.4
AVRS	300/300	2	0.12~0.4	JB/T 8734.4
AVVR	300/300	2~24	0.08~0.4	JB/T 8734.4
AV-90	300/300	1	0.08~0.4	JB/T 8734.4
AVRZ-105 (AVR-105)	300/300	1	0.08~2.5	JB/T 8734.4
AVP、AVP-90	300/300	1	0.08~0.4	JB/T 8734.5
RVP、RVP-90	300/300	1	0.08~2.5	JB/T 8734.5
		2	0.08~1.5	JB/T 8734.5
RVVP	300/300	1	0.08~1.5	JB/T 8734.5
		2	0.08~1.5	JB/T 8734.5
		3~24	0.12~0.4	JB/T 8734.5

1kV绝缘架空电缆 1 kV Insulated Aerial Cable

- 本产品采用硅烷交联聚乙烯绝缘或聚氯乙烯绝缘;
The product uses Silane XLPE insulation or PVC insulation;
- 适用于1kV线路架空使用;
It is suitable for overhead use of 1kV lines;
- 电缆性能符合国家标准GB12527-2008;
The cable performance conforms to the national standard GB12527-2008;
- 交联聚乙烯绝缘架空电缆导体最高额定工作温度90℃, 短路时(最长持续时间5秒)最高温度不超过250℃; 聚氯乙烯绝缘架空电缆导体最高额定工作温度70℃, 短路时(最长持续时间5秒)最高温度不超过160℃;
Maximum rated operating temperature of XLPE insulated aerial cable conductor is 90℃, short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 250℃; Maximum rated operating temperature of PVC insulated aerial cable conductor is 70℃, short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 160℃.
- 敷设时允许弯曲半径: 直径小于25毫米时, 不小于4倍电缆外径; 直径大于等于25毫米时, 不小于6倍电缆外径;
Allowable bending radius for laying: Diameter is less than 25mm and not less than 4 times cable outer diameter; diameter is greater than or equal to 25mm and not less than 6 times cable outer diameter.
- 电缆敷设时环境温度不低于-20℃;
Ambient temperature is not lower than -20℃ when the cable is laying.
- 本样本中的详细数据皆以交联聚乙烯绝缘架空电缆为准。
The data in the sample should be with XLPE insulated overhead cables as the standard.

电缆名称、型号规格及用途 Cable name, specification and use

型号 Type	名称 Name	芯数 Number of Conductors	截面范围 Section Range	适用范围 Scope of Application
JKV-硬 JKV-hard	1kV硬铜芯聚氯乙烯绝缘架空电缆 1 kV Hard Copper Conductor PVC Insulated Aerial Cable	1	1.5~630	架空固定敷设, 可承受张力 Overhead fixed laying Can bear tension
JKLV	1kV铝芯聚氯乙烯绝缘架空电缆 1 kV Aluminum Conductor PVC Insulated Aerial Cable	2	10~400	
JKYJ-硬 JKYJ-hard	1kV硬铜芯交联聚乙烯绝缘架空电缆 1 kV Hard Copper Conductor XLPE Insulated Aerial Cable	3+K(1)	10~400	
JKLYJ	1kV铝芯交联聚乙烯绝缘架空电缆 1 kV Aluminum Conductor XLPE Insulated Aerial Cable	4	10~400	户外固定连接用, 不可承受张力 For outdoor fixed connections, tension is not acceptable
JKV-软 JKV-soft	1kV软铜芯聚氯乙烯绝缘架空电缆 1 kV Soft Copper Conductor PVC Insulated Aerial Cable	1	1.5~630	
JKYJ-软 JKYJ-soft	1kV软铜芯交联聚乙烯绝缘架空电缆 1 kV soft Copper Conductor XLPE Insulated Aerial Cable	1	1.5~630	

注(1): K为带承载的中性导体。根据配电工程要求, 任选其中截面与主线芯搭配。
Remark(1): K is neutral conductor with load. According to the requirements of the distribution project, choose the cross section with the main Conductor.

10kV绝缘架空电缆 10kV Insulated Aerial Cable

- 本产品采用干法化学交联聚乙烯或硅烷交联聚乙烯绝缘或高密度聚乙烯绝缘；
This product is dry chemical XLPE or silane XLPE insulation or high-density PE insulation;
- 适用于10kV线路架空使用；
It is suitable for overhead use of 10kV lines;
- 电缆性能符合国家标准GB14049-2008；
The cable performance conforms to the national standard GB14049-2008;
- 交联聚乙烯绝缘架空电缆导体最高额定工作温度90℃，短路时（最长持续时间5秒）最高温度不超过250℃；高密度聚乙烯绝缘架空电缆导体最高额定工作温度75℃，短路时（最长持续时间5秒）最高温度不超过150℃；
Maximum rated operating temperature of XLPE insulated aerial cable conductor is 90℃, short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 250℃; Maximum rated operating temperature of PVC insulated aerial cable conductor is 75℃, short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 150℃.
- 敷设时允许弯曲半径：不小于15倍电缆外径；
Allowable bending radius for laying: not less than 15 times cable outer diameter;
- 电缆敷设时环境温度不低于-20℃；
Ambient temperature is not lower than -20℃ when the cable is laying.
- 本样本中的详细数据皆以交联聚乙烯绝缘架空电缆为准。
The data in the sample should be with XLPE insulated overhead cables as the standard.

电缆名称、型号规格及用途 Cable name, specification and use

型号 Type	名称 Name	芯数 Number of Conductors	截面范围 Section Range	适用范围 Scope of Application
JKYJ	10kV铜芯交联聚乙烯绝缘架空电缆 10 kV Copper Conductor XLPE Insulated Aerial Cable	1	10~300	架空固定敷设，电缆架设时应考虑电缆和树木保持一定距离，允许电缆和树木频繁接触。 For overhead laying, cables should be kept at a distance from the trees, allowing frequent contact between cables and trees
JKTRYJ	10kV软铜芯交联聚乙烯绝缘架空电缆 10kV Soft Copper Conductor XLPE Insulated Aerial Cable	3	25~300	
JKLYJ	10kV铝芯交联聚乙烯绝缘架空电缆 10kV Aluminum Conductor XLPE Insulated Aerial Cable	3+K ⁽¹⁾	25~300	
JKY	10kV铜芯高密度聚乙烯绝缘架空电缆 10kV Copper Conductor High-density PE Insulated Aerial Cable			
JKTRY	10kV软铜芯高密度聚乙烯绝缘架空电缆 10kV Soft Copper Conductor High-density PE Insulated Aerial Cable			
JKLY	10kV铝芯高密度聚乙烯绝缘架空电缆 10kV Aluminum Conductor High-density PE Insulated Aerial Cable	1	10~300	
JKLYJ/Q	10kV铝芯轻型交联聚乙烯薄绝缘架空电缆 10kV Aluminum Conductor Light XLPE Thin Insulated Aerial Cable			
JKLY/Q	10kV铝芯轻型高密度聚乙烯薄绝缘架空电缆 10kV Aluminum Conductor High-density PE Insulated Thin Aerial Cable			架空固定敷设，电缆架设时应考虑电缆和树木保持一定距离，不允许电缆和树木频繁接触。 For overhead laying, cable and tree shall be kept at a certain distance while cable and trees are not allowed to contact frequently

450/750V塑料绝缘控制电缆 450/750V Plastic Insulated Control Cable

- 本产品适用于工频额定电压450/750V及以下的各类电气，仪表自动装置的控制、信号、测量及保护线路场合；
This product is suitable for all kinds of electric power, rated voltage 450/750V and below, control, signal, measurement and protection of circuit.
- 本产品符合国家标准GB/9330-2008；
The product accords with national standard GB/9330-2008.
- 当使用于交流系统时，电缆（电线）的额定电压至少应等于该系统的标称电压。当使用直流系统时，该系统的标称电压应不大于电缆（电线）额定电压的1.5倍；
When used in an AC system, the rated voltage of the cable (wire) shall be at least equal to the nominal voltage of the system. When using a DC system, the nominal voltage of the system shall be no more than 1.5 times the rated voltage of the cable (wire).
- 系统的工作电压应不大于系统额定电压的1.1倍；
Working voltage of the system should not be 1.1 times greater than rated voltage of the system.
- 聚氯乙烯绝缘电缆长期使用工作温度不超过70℃，短路时（最长持续时间5秒）最高温度不超过160℃；交联聚乙烯绝缘电缆其使用工作温度不超过90℃，短路时（最长持续时间5秒）最高温度不超过250℃；
Maximum rated operating temperature of XLPE insulated aerial cable conductor is 90℃, short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 250℃; Maximum rated operating temperature of PVC insulated aerial cable conductor is 70℃, short circuit (maximum duration is 5 seconds) maximum temperature of cable conductor would not exceed 160℃.
- 电缆的敷设时环境温度不低于0℃；
Ambient temperature is not lower than -20℃ when the cable is laying.
- 电缆允许弯曲半径；
Bend radius of cable is allowed.
- 无铠装层的电缆，应不小于电缆外径的6倍；
The cable without armour shall be no less than 6 times of the outer diameter of the cable
- 有铠装或铜带屏蔽的电缆，应不小于电缆外径的12倍；
Cables with armored or copper tape shielding shall be no less than 12 times of the outer diameter of the cable.
- 阻燃型电缆使用在有阻燃要求的场合；
Flame retardant cables are used in situations where flame retardancy is required.
- 本产品绝缘材料采用聚氯乙烯绝缘或者硅烷交联聚乙烯绝缘。
Insulated material of the product is PVC insulation and silane XLPE insulation.

规格 Specification

型号 Type	额定电压 Rated Voltage V	导体标称截面(mm ²) Conductor Nominal Cross Section								
		0.5	0.75	1.0	1.5	2.5	4	6	10	
KVV ZR-KVV KYJV ZR-KYJV	450/750	-			2-61		2-14		2-10	
KVVP ₂ ZR-KVVP ₂ KYJVP ₂ ZR-KYJVP ₂		-			4-61		4-14		4-10	
KVV ₂₂ ZR-KVV ₂₂ KYJV ₂₂ ZR-KYJV ₂₂		-			7-61		4-61		4-14	
KVVR ZR-KVVR KYJVR ZR-KYJVP ₂₂		-			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, 57和61芯。
Remark: Recommended number of Conductors is: 2,3,4,5,7,8,10,12,14,16,19,24,27,30,37,44,48,57 and 61.



通用橡套软电缆 General rubber sheathed flexible cable

- 本产品适用于交流额定电压450/750V及以下家用电器，电动工具和各种移动式电器设备；
This product is suitable for AC rated voltage 450/750V and below household appliances, power tools and all kinds of mobile electrical equipment.
- 当电缆使用于交流系统时，电缆的额定电压至少等于该系统的标称电压，当使用于直流系统，该系统的标称电压应不大于电缆额定电压的1.5倍；
When used in an AC system, the rated voltage of the cable (wire) shall be at least equal to the nominal voltage of the system. When using a DC system, the nominal voltage of the system shall be no more than 1.5 times the rated voltage of the cable (wire).
- 系统的工作电压允许超过标称电压10%；
The operating voltage of the system is allowed to exceed 10% of the nominal voltage.
- 本产品符合国家标准GB5013-2008；
The product accords with national standard GB5013-2008.
- 电缆长期允许工作温度应不超过65℃；
The long-term allowable operating temperature of cables shall not exceed 65℃.
- 产品电缆计算重量以YQ, YZ, YC计。W型比其标准型略大。
Calculated weight of product cable is based on YQ, YZ, YC. W type is a little bigger than standard type.

电缆名称、型号规格及用途 Cable name, specification and use

型号 Type	名称 Name	额定电压V Rated Voltage V	芯数 Number of Conductors	标称截面 Nominal Cross Section	使用范围 Scope of Application
YQ,YQW ⁽¹⁾	轻型橡套软电缆 Light Rubber Sheathed Flexible Cable	300/300	2,3	0.3-0.5	用于轻型移动电器设备和工具 For light duty mobile electrical equipment and tools
YZ,YZW	中型橡套软电缆 Middle Rubber Sheathed Flexible Cable	300/350	2,3,4,5	0.75-6	用于各种移动电器设备和工具 Used in all kinds of mobile electrical equipment and tools
YC,YCW	重型橡套软电缆 Heavy Rubber Sheathed Flexible Cable	450/750	1	1.5-400	用于各种移动电器设备，能承受较大的机械外力作用 Used in all kinds of mobile electrical equipment and tools, can withstand greater mechanical external force
			2	1.5-95	
			3, 4	1.5-150	
			5	1.5-25	

(1) W型派生电缆具有耐气候和一定的耐油性能，适宜于在户外或接触油污的场合。
(1) W type cable has the characteristics of weather resistance and oil resistance. It is suitable for outdoor or oil contact occasions.

0.6/1kV低烟无卤阻燃电缆 0.6/1kV Halogen Free Flame Resistant Cable

本产品性能符合GB12706、GB12666、IEC332-3、IEC754-2等标准要求，适用于额定电压0.6/1kV及以下的地下建筑，大型公共建筑，高层建筑等有烟密度，酸度和阻燃要求的场所，固定敷设作输配电能之用。其中主要性能有：

The products meet standard GB12706, GB12666, IEC754-2 and so on. They are widely used for 0.6/1kV and below underground buildings, large public buildings, towers and other places with smoke density, acidity and flame retardant requirements. They have the function of fixing laying, transmission and distribution.

Product performance:

- 额定电压为0.6/1kV，长期工作温度为90℃，短路（最长不超过5秒）最高温度不超过250℃；
The rated voltage is 0.6/1kV. Long-term operating temperature is 90℃. The highest temperature at short circuit (not more than 5 seconds) is not exceed 250℃.
- 燃烧烟浓度试验符合GB12666.7-90要求；
The burning smoke concentration test meets the GB12666.7-90 requirement.
- 阻燃性能符合GB12666.5-90成束燃烧试验A类要求；
Flame resistant performance meets the GB12666.5-90 beam burning test class A requirement.
- 燃烧气体导电率不超过10us/mm。
The conductivity of combustion gas is not exceed 10us/mm.

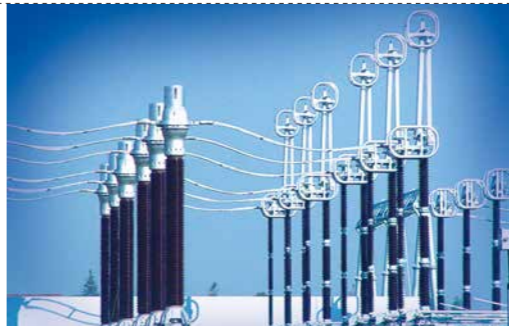
型号、名称及用途 Model, name and application

型号 Model	名称 Name	用途 Application
WDZ-YJE	低烟无卤阻燃交联聚乙烯绝缘聚烯烃护套电缆 Halogen Free Flame Resistant XLPE Insulation Polyolefin Sheath cable	地下建筑、高层建筑等有无卤阻燃要求的输配电用 Transmission and distribution for underground buildings, high-rise buildings and so on which have halogen free flame resistant requirement
WDZ-YJE ₂₂	低烟无卤阻燃型交联聚乙烯绝缘聚烯烃护套铠装电缆 Halogen Free Flame Resistant XLPE Insulation Polyolefin Sheath Armour cable	适用于地下承受一定压力且要求无卤阻燃的场所 For places which the underground are under pressure and have halogen free flame resistant requirement.

不同环境温度下的载流量修正系数

Correction factor of current-carrying capacity under different working conditions

工作温度 (90℃) Working Temperature (90℃)	修正系数 Correction Factor	
空气温度℃ Air Temperature °C	10	1.26
	15	1.22
	20	1.18
	25	1.14
	30	1.09
	35	1.04
	40	1.00
	45	0.94
土壤温度℃ Soil Temperature °C	50	0.89
	5	1.14
	10	1.11
	15	1.07
	20	1.04
	25	1.00
	30	0.96
	35	0.95



0.6/1kV耐火电缆
0.6/1kV Fire-resistant Cable

- 本产品适用于工频额定电压0.6/1kV及以下输配电线路需要具有耐火特性的场合；
The products are suitable for places where fire-resistant activity is required and transmission and distribution line with power frequency voltage 0.6/1kV and below.
- 本产品标准采用GB/T12706-2008标准，耐火特性符合GB/T19216-2003的要求；
The products adopt standard GB/T12706-2008. The fire-resistant activity meets GB/T19216-2003 requirement.
- 聚氯乙烯绝缘电缆导体最高额定工作温度70℃；
The highest rated working temperature of PVC insulated cable conductor is 70℃.
- 交联聚乙烯绝缘电缆导体最高额定工作温度为90℃；
The highest rated working temperature of XLPE insulated cable conductor is 90℃.
- 聚氯乙烯绝缘电缆短路时（最长持续时间不超过5秒）导体的最高温度不超过160℃；
The highest temperature of conductor is not exceed 160℃ when PVC insulated cable short circuit (not more than 5 seconds).
- 交联聚乙烯绝缘电缆短路时（最长持续时间不超过5秒）导体的最高温度不超过250℃；
The highest temperature of conductor is not exceed 250℃ when XLPE insulated cable short circuit (not more than 5 seconds).
- 电缆敷设时环境温度不低于0℃，最小弯曲直径为电缆外径的30倍。
The ambient temperature shall be no less than 0℃ when the cable is laid. And the bending diameter is 30 times of the outer diameter of the cable.

电缆的型号、规格 Model, type of cable

型号 Model	芯数 Number of Conductor	导电线芯标称截面(mm ²) Nominal Cross Section Area of Conductive Wire Conductor (mm ²)
NH-W NH-YJV	1	1.5-630
NH-W ₂₂ NH-YJV ₂₂		10-630
NH-W NH-YJV	2	1.5-400
NH-W ₂₂ NH-YJV ₂₂		4-400
NH-W NH-YJV	3	1.5-400
NH-W ₂₂ NH-YJV ₂₂		2.5-400
NH-W NH-YJV	4	2.5-300
NH-W ₂₂ NH-YJV ₂₂		2.5-300
NH-W NH-YJV	3+1	4-300
NH-W ₂₂ NH-YJV ₂₂		4-300
NH-W NH-YJV	5	2.5-240
NH-W ₂₂ NH-YJV ₂₂		2.5-240

不同环境温度下的截流量修正系数

Correction factor of current-carrying capacity under different working conditions

导体工作温度 Working Temperature of Conductor	环境温度(°C) 空气中 Ambient Temperature (°C) 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	
90	1.26	1.22	1.18	1.14	1.09	1.04	1.00	0.94	0.89	

导体工作温度 Working Temperature of Conductor	环境温度(°C) 土壤中 Ambient Temperature (°C) in Soil						
	°C	10	15	20	25	30	35
70	1.15	1.11	1.05	1.00	0.94	0.88	
90	1.11	1.07	1.04	1.00	0.96	0.92	

阻水性交联聚乙烯绝缘电力电缆

Water Resistant XLPE Insulated Power Cable

- 交联聚乙烯绝缘电缆，如运行在潮湿有水的环境中，尤其是水中含盐类导电物质和硫化物，水份极易迁移到电缆绝缘表面，在电场的作用下，这种迁移现象会加速运行，绝缘在水和电场的共同作用下，很快产生水树。水树会随着时间的延长而加速增长，最后导致电缆击穿，影响电缆使用的寿命，给用户带来了很大的经济损失；

XLPE insulated cable, if it is operating in a humid, water filled environment, especially in water, it contains salts, conductive substances, and sulfides, moisture is easily transferred to the insulated surface of the cable, under the influence of electric field, the phenomenon of migration will accelerate, interaction of water and insulation in the electric field, soon produced water. With the extension of time and water treeing will accelerate growth, finally led to the breakdown of the cable, the cable affects the service life, has brought great economic losses to the user.

- 飞航电缆公司为解决用户的后顾之忧，从电缆结构入手，增加了阻水性材料，以阻止水份迁移，不让水份接触绝缘表面，避免水树的行成，从而降低了电缆击穿事故率，提高电缆的安全使用性能；

Feihang Cable CO.,Ltd, the company is starting from the customer's menace from the rear cable structure, and increase the water resistance of materials, to prevent moisture migration, not to let the water contact surface of the insulation, to avoid the formation of a water tree, which reduces the cable breakdown accident rate and improve the safety performance of the cable.

- 此产品已通过国家检测中心测试，长江三峡工程采用并通过产品鉴定。采用阻水性电缆对用户来讲，增加投入的资金很少，但电缆的使用寿命及运行可靠性却大大的提高了；

This product has been tested by the national testing center, and the Three Gorges project has been adopted and passed through product identification. The use of water resistant cable for users, the increase in investment is very little, but the cable's service life and reliability has greatly improved.

- 本产品适用于额定电压35kV及以下固定敷设的场合，作输配电能之用；

This product is suitable for the laying of rated voltage 35kV and below, for the purpose of power transmission and distribution.

- 阻水性电缆载流量，敷设时的弯曲半径及温度等与同规格的交联电缆相同；

The water carrying capacity of the cable, the bending radius and the temperature during the installation are the same as those of the XLPE cables of the same specifications.

- 纵向阻水性符合IEC840纵向阻水试验要求。

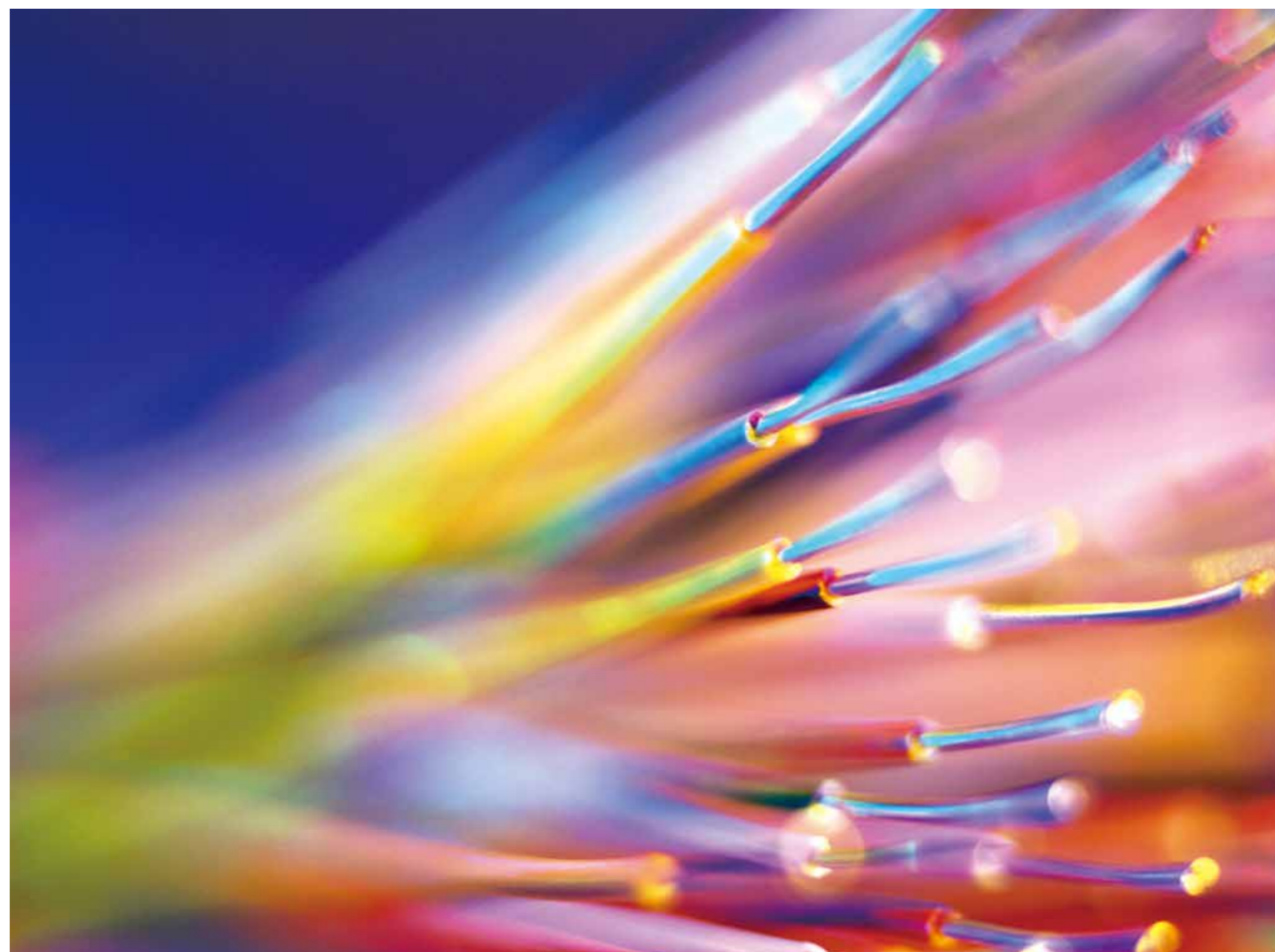
The longitudinal water resistance conforms to the IEC840 longitudinal water resistance test requirement.

型号、名称及用途 Type, name and use

型号 Type		名称 Name	用途 Use
铜芯 Copper Conductor	铝芯 Aluminum Conductor		
YJV-ZS (ZR-YJV-ZS)	YJLV-ZS (ZR-YJLV-ZS)	(阻燃)交联聚乙烯绝缘阻水性电力电缆 (Flame Retardant) XLPE Insulated Water Resistant Power Cable	适用于电缆运行在潮湿的环境之中，如电缆沟、管道、直埋、电缆不能承受机械外力的作用。 It is suitable for running cables in damp environment, such as the cable ditch, the pipeline and the buried cable, and the cable can not bear the external force of the machine.
YJAY-ZS (ZR-YJAY-ZS)	YJLAY-ZS (ZR-YJLAY-ZS)	(阻燃)交联聚乙烯绝缘铝塑复合带纵包阻水性电力电缆 (Flame Retardant) XLPE Insulated Aluminium Plastic Composite Belt Longitudinal Package Water Resistant Power Cable	
YJV22-ZS (ZR-YJV22-ZS)	YJLV22-ZS (ZR-YJLV22-ZS)	(阻燃)交联聚乙烯绝缘钢带铠装阻水性电力电缆 (Flame Retardant) XLPE Insulated Steel Tape Armored Water Resistant Power Cable	适用于电缆运行在潮湿的环境之中，如电缆沟、管道、直埋、电缆可承受一定的机械外力的作用，但不能承受拉力。 Apply to the cable in the wet environment, such as cable trench, pipeline, buried directly, can bear a certain external mechanical force, but can not bear the pull.
YJAV22-ZS (ZR-YJAV22-ZS)	YJLAV22-ZS (ZR-YJLAV22-ZS)	(阻燃)交联聚乙烯绝缘铝塑复合带纵包钢带铠装阻水性电力电缆 (Flame Retardant) XLPE Insulated Aluminium Plastic Composite Belt Longitudinal Steel Clad Armored Water Resistant Power Cable	

型号、名称及用途 Type, name and use

型号 Type	芯数 Number of Conductors	额定电压 kV Rated Voltage kV				
		6/6	6/10	8.7/10	8.7/15	26/35
YJV-ZS	YJLV-ZS					
ZR-YJV-ZS	ZR-YJLV-ZS					
YJV ₂₂ -ZS	YJLV ₂₂ -ZS			25-630		50-630
ZR-YJV ₂₂ -ZS	ZR-YJLV ₂₂ -ZS					
YJAY-ZS	YJLAY-ZS					
ZR-YJAY-ZS	ZR-YJLAY-ZS					
YJAV ₂₂ -ZS	YJLAV ₂₂ -ZS			25-630		50-500
ZR-YJAV ₂₂ -ZS	ZR-YJLAV ₂₂ -ZS					



铜芯交联聚乙烯绝缘聚氯乙烯护套光纤中低压复合电缆 Copper Conductor XLPE Insulated PVC Sheathed Optical Fiber Medium Low Voltage Coincidence Cable

光电混合电缆的结构是将250 μm光纤套入高模量材料制成的松套管中，松套管内填充防水化合物。缆芯中心为FRP或金属加强件（有些结构需在加强件加一层PE垫层）。电线与松套管（和填充绳）围绕中心加强芯绞合成紧凑和圆形的缆芯，缆芯内的缝隙充以阻水填充物。双面涂塑钢带(PSP)纵包后挤出聚乙烯或低烟无卤(LSZH)护套成缆。

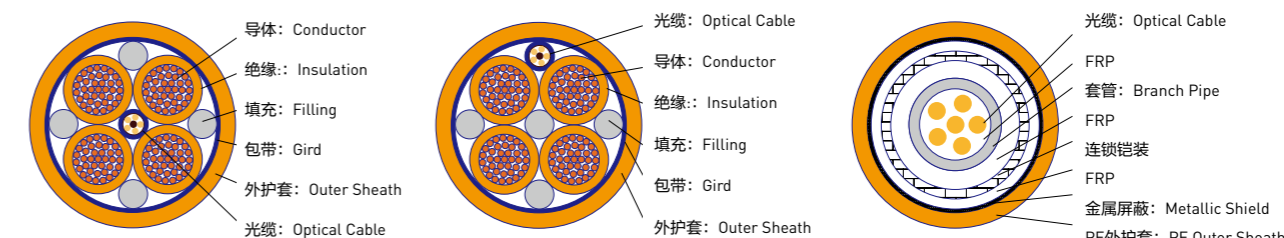
The structure of the hybrid cable is to insert 250 micron fiber into a loose sleeve made of high modulus material, and the loose sleeve is filled with waterproof compound. The center of the cable Conductor is FRP or metal reinforcement (some structures need to be reinforced with a layer of PE cushion). The wires and loose sleeves (and filled ropes) are twisted around the center reinforcement Conductor to form a compact and circular cable Conductor. The gaps in the cable Conductor are filled with water blocking fillers. Double coated strip (PSP) longitudinal package after extruded polyethylene or low smoke halogen-free sheath cable.

产品优势 Advantage of products

- 具有良好的柔韧性和机械性能;
Good flexibility and mechanical properties
- 光电一体,充分节约管道资源;
Photoelectric integration, fully saving pipeline resources
- 电缆部分与光缆部分保持相对独立的结构,便于安装时的引入,引出和连接;
The cable part and the optical cable part maintain relatively independent structure, so that the introduction, the extraction and the connection are convenient for installation
- 将电源线、电话线、电视线、网线、监控线、数据线等多网合一,节约了成本;
The power line, telephone line, television line, cable net, monitoring line and data line are combined into one network, thereby saving the cost
- 较大的工作温度范围;
Larger operating temperature range
- 较大的施工温度范围;
Larger construction temperature range
- 光缆直径和弯曲半径小,在狭小空间也能自由安装同时兼容光信号传输和电能传输。
The diameter and bending radius of the optical fiber cable are small, and it can be installed freely in the narrow space, and compatible with the optical signal transmission and the power transmission

技术优势 Advantages of techniques

- 优化输电线路设计,节约电能效果显著;
Optimize the transmission line design, save energy, the effect is remarkable
- 光电合一,在传输电能同时传达信息,并能检测线路工作状态;
The photoelectric integration transmits the electric energy and transmits the information at the same time, and can detect the working state of the circuit
- 光纤复合在电线内,杜绝地在线落雷引发的光纤断股、断纤事故;
The light is compounded in the electric wire to prevent the breakage of the optical fiber strand and the fiber breakage caused by the lightning stroke
- 不会因场强的作用而导致光缆遭遇电腐蚀或引发的毁缆、断纤事故;
The cable will not suffer from electric corrosion or damage caused by electric field
- 没有给原有路线附加额外线路负荷带来的隐患。
No additional risk caused by additional line load on the original route



带分支电缆 Cable with Branch

随着现代建筑日新月异的发展，建筑配电的复杂性已成为人们关注的一大课题。尤其是对施工方便，缩短周期，提高可靠性，降低成本是投资商、建筑和供电部门一致的强烈要求。带分支电缆就是满足上述要求的一种崭新产品。该带分支电缆是根据建筑设计部门配电系统图纸要求在工厂内已预制好规定数量和规格的分支电缆，其电气和物理性能在厂内已得到保证。因而在现场施工非常方便，可大大地节省施工费用，保证配电可靠性。

飞航牌带分支电缆是上海电缆研究所和上海飞航电线电缆有限公司联合开发的一项带有新技术产品，导体连接采用合理的冷压技术，接触好，机械强度高。外壳绝缘采用PVC注塑或聚氨酯浇注技术，绝缘和密封性能优良，外观美观。

With the rapid development of modern architecture, the complexity of building power distribution has become a major concern. Construction convenience, shorten the cycle, improve reliability, reduce costs, investment, construction and power supply sector consistent strong demands. A cable with branches is a new product to meet the above requirements. The branch cable is a branch cable which has been prefabricated in accordance with the drawings of the power distribution system of the architectural design department. The electrical and physical performance of the branch cable has been guaranteed in the factory. Therefore, it is very convenient to construct on the spot, which can greatly save construction cost and ensure the reliability of distribution.

Feihang cable with branch is a new technology products jointly developed by Shanghai Cable Research Institute and Shanghai Feihang wire and cable Co., Ltd. Conductor connection adopts reasonable cold pressing technology, good contact and high mechanical strength. The shell insulation adopts PVC injection molding or polyurethane pouring technology. The insulation and sealing performance is excellent, and the appearance is beautiful.



特长 Advantage

- 采用分支电缆可大幅度减轻现场施工劳动强度，缩短施工时间；
The branch cable can greatly reduce the field construction labor intensity and shorten the construction time
- 因使用分支电缆，可保证大长度及复杂场所施工；
Because of the use of branch cables, it can guarantee the construction of large length and complex places
- 缩小敷设空间；
Reduce laying space
- 因在工厂内预制，可靠性得到保证；
Due to prefabrication in the factory, reliability is guaranteed
- 分支连接部分采用注塑或浇注加工，防水防潮性能好，可长期使用免维修保养。
The branch connection part adopts injection molding or pouring processing, and has good waterproof and dampproof performance, and can be used for a long time without maintenance

用途

- 中高层住宅楼配电；
- 隧道照明；
- 可代替中小容量母线槽的各种场合。

相应的带分支电缆的型号及名称如下表

The corresponding types and names of cables with branches are as follows

型号 Type	名称 Name
D-YJV	铜芯交联聚乙烯绝缘聚氯乙烯护套带分支电缆 Copper Conductor XLPE Insulated PVC Sheath Cable with Branch
D-W	铜芯聚氯乙烯绝缘聚氯乙烯护套带分支电缆 Copper Conductor PVC Insulated PVC Sheath Cable with Branch
D-ZR-YJV	铜芯交联聚乙烯绝缘聚氯乙烯护套阻燃带分支电缆 Copper Conductor XLPE Insulated PVC Sheath Flame Retardant Cable with Branch
D-ZR-W	铜芯聚氯乙烯绝缘聚氯乙烯护套阻燃带分支电缆 Copper Conductor PVC Insulated PVC Sheath Cable Flame Retardant with Branch
D-NH-YJV	铜芯交联聚乙烯绝缘聚氯乙烯护套耐火带分支电缆 Copper Conductor XLPE Insulated PVC Sheath Refractory Cable with Branch
D-NH-W	铜芯聚氯乙烯绝缘聚氯乙烯护套耐火带分支电缆 Copper Conductor PVC Insulated PVC Sheath Refractory Cable with Branch
D-DDZ-YJV	铜芯交联聚乙烯绝缘低烟低卤阻燃带分支电缆 Copper Conductor XLPE Insulated Low Smoke Low Halogen Flame Retardant Branch Cable
D-DWZ-YJV	铜芯交联聚乙烯绝缘低烟无卤阻燃带分支电缆 Copper Conductor XLPE Insulated Low Smoke Halogen Free Flame Retardant Branch Cable

计算机屏蔽控制电缆 Computer Shielded Control Cable

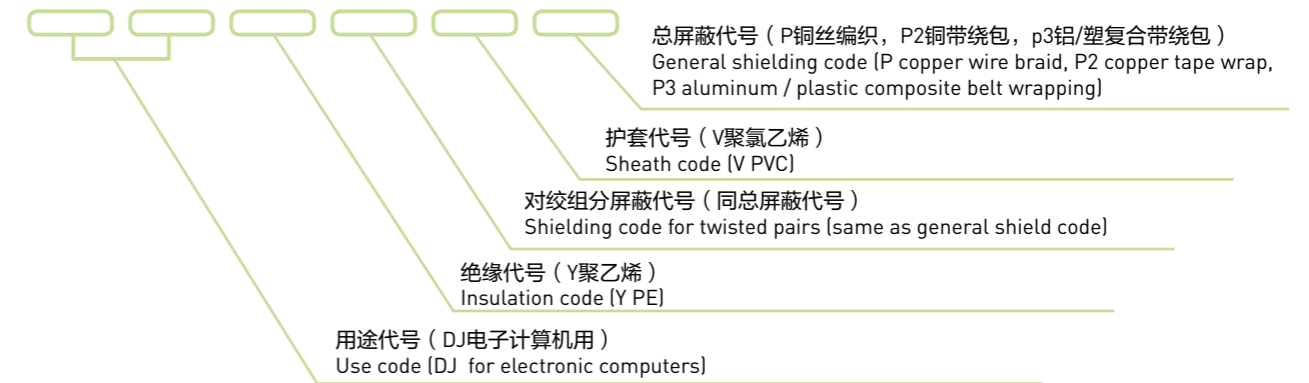
本电缆采用电气绝缘性能优良的聚乙烯绝缘和线芯对绞加屏蔽的结构，抗干扰性能特别好。适宜于抗干扰性能要求较高的采用电子计算机作监视的系统中作连接线，也可用于抗干扰性能要求较高的检测仪器、仪表的连接线。

The cable is made of polythene insulation and wire Conductor shielding structure with good electrical insulation performance, and the anti-interference performance is excellent. The utility model is suitable to be used as a connecting line in a system which uses an electronic computer as a monitor for anti-interference performance, and can also be used as a connecting line for detecting instruments and instruments with high anti-interference performance.

相型号和名称如下表 Type and name are as follows

型号 Type	名称 Name	敷设方法 Laying Method
DJYPV	300/500V聚乙烯绝缘对绞编织分屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Braided Partial Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYVP	300/500V聚乙烯绝缘对绞编织总屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Braided Total Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYVPV	300/500V聚乙烯绝缘对绞编织分屏、总屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Braided Partial Shield, Total Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYP ₂ V	300/500V聚乙烯绝缘对绞铜带绕包分屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Copper Tape Wrapped Partial Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYVP ₂	300/500V聚乙烯绝缘对绞铜带绕包总屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Copper Tape Wrapped and Total Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYP ₂ VP ₂	300/500V聚乙烯绝缘对绞铜带绕包分屏、总屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Copper Tape Wrapped, Partial Shield, Total Shield, PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYP ₃ V	300/500V聚乙烯绝缘对绞铝塑复合带绕包分屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Aluminum Plastic Composite Belt Wrapped Partial Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYVP ₃	300/500V聚乙烯绝缘对绞铝塑复合带绕包总屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Pair Aluminum Plastic Composite Belt Wrapped Total Shield PVC Sheathed Computer Cable	固定敷设 Fixed Laying
DJYP ₃ VP ₃	300/500V聚乙烯绝缘对绞铝塑复合带绕包分屏、总屏蔽聚氯乙烯护套计算机电缆 300/500V PE Insulated Twisted Aluminum Plastic Composite Belt Wrapped, Partial Shield, Total Shield, PVC Sheathed Computer Cable	固定敷设 Fixed Laying

型号表示方法 Model representation



规格和结构 Specification and Structure

导体标称截面和结构如下表

Nominal sections and structures of conductors are as follows

标称截面mm ² Nominal section	导体种类 Type of conductor	根数/直径mm Number/Diameter	导体电阻(20℃)不大于 Conductor resistance (20 DEG C) is not greater than	
			不镀锡 Tin Free	镀锡 Tin Plating
0.75	A	1/0.97	24.5	24.8
	B	7/0.37	24.5	24.8
1.0	A	1/1.13	18.1	18.2
	B	7/0.43	18.1	18.2
1.5	A	1/1.38	12.1	12.2
	B	7/0.52	12.1	12.2
2.5	A	1/1.78	7.41	7.56
	B	7/0.68	7.41	7.56

电动汽车车载电缆

产品标准

ISO 6722

适用范围

本产品适用于新能源汽车的动力系统的电力传输，以及其它各种电器装置用电缆。

This product is suitable for power transmission of power system of new energy vehicles, as well as other cable for all kinds of electrical equipment.

使用特性

1、额定电压：600V（AC），1000V（DC）

Rated voltage: 600V（AC），1000V（DC）

2、额定工作温度：-40℃~+125℃（固定敷设）

Rated operating temperature: -40℃~+125℃（Fixed laying）

3、电缆敷设的允许弯曲半径应不小于电缆外径的4倍

The allowable bending radius of the cable shall be not less than 4 times the diameter of the cable.

型号名称

产品型号及名称

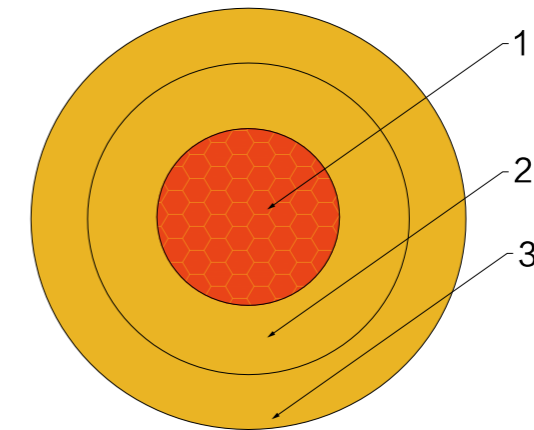
型号 Type	名称 Name
EVR	热塑性弹性体绝缘热塑性弹性体护套车载动力电缆 Thermoplastic elastomer insulated thermoplastic elastomer sheathed power cable for vehicle
EVRP	热塑性弹性体绝缘编织屏蔽热塑性弹性体护套车载动力电缆 Thermoplastic elastomer insulated braided shielding thermoplastic elastomer sheath vehicle power cable

电缆范围

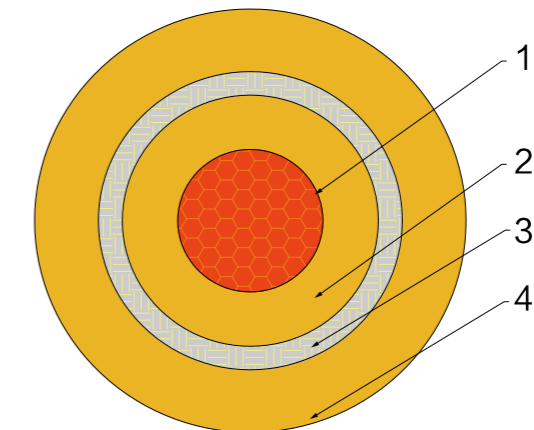
电缆范围

型号 Type	芯数 Core number	标称截面积 (mm ²) Nominal section
EVR	1	2.5~50
EVRP	1	10~95

产品结构示意



EVR产品结构示意图: 1.导体; 2.绝缘(橙色); 3.护套(橙色);
Schematic diagram of product structure: 1.conductor; 2.insulation; 3.sheath



EVRP电缆示意图: 1.导体; 2.绝缘(橙色); 3.编织屏蔽; 4.护套(橙色);
Schematic diagram of product structure: 1.conductor; 2.insulation; 3.shielding; 4.sheath

产品结构尺寸

非屏蔽型电缆结构

型号 Type	规格 Specifications (mm ²)	绝缘标称厚度 Insulation Thickness (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approximate outer diameter of cable (mm)	电缆近似重量 Approximate weight of cable (kg/km)	20℃时导体 直流电阻 Conductor at 20℃ Direct current resistance (Ω/km)
EVR	2.5	0.5	0.7	4.5	41.8	7.6
EVR	3	0.5	0.7	4.8	49.1	6.15
EVR	4	0.6	0.7	5.3	60.1	4.71
EVR	5	0.6	0.7	5.6	68.7	3.94
EVR	6	0.6	0.7	6.1	87.0	3.14
EVR	8	0.6	0.7	6.4	101.3	2.38
EVR	10	0.8	0.8	7.6	138.0	1.82
EVR	12	0.8	0.8	8.0	160.1	1.52
EVR	16	0.8	0.8	8.9	205.8	1.16
EVR	20	0.8	0.9	9.8	255.2	0.995
EVR	25	0.8	0.9	10.6	306.1	0.743
EVR	30	0.8	1.0	11.4	361.8	0.647
EVR	35	0.8	1.0	12.2	418.4	0.527
EVR	40	0.8	1.1	13.0	492.1	0.473
EVR	50	0.8	1.1	13.9	576.8	0.368

屏蔽性电缆结构

EVRP	10	0.8	1.0	8.7	178.5	1.82
EVRP	12	0.8	1.0	9.1	203.0	1.52
EVRP	16	0.8	1.0	9.9	253.4	1.16
EVRP	20	0.8	1.0	10.7	302.5	0.995
EVRP	25	0.8	1.1	11.6	362.8	0.743
EVRP	30	1.0	1.3	13.1	441.9	0.647
EVRP	35	1.1	1.3	14.0	510.4	0.527
EVRP	40	1.2	1.4	15.0	597.1	0.473
EVRP	50	1.2	1.4	15.9	689.0	0.368
EVRP	70	1.2	1.4	17.9	912.0	0.259
EVRP	95	1.4	1.6	20.6	1205.3	0.196

新能源汽车充电传导电缆

产品标准

CQC1103, CQC1104, CQC1105

TUV2PFG1908

适用范围

本产品适用于额定交流电压450/750V及以下,直流电压1000V及以下的新能源电动汽车用动力及控制和信号的连接传导。

This product is suitable for rated AC voltage 450/750V and below, DC voltage 1000V and the following new energy electric vehicle power and control and signal connection conduction.

使用特性

1、额定电压：450/750V（AC），1000V（DC）

Rated voltage: 450/750V（AC），1000V（DC）

2、额定工作温度：-40℃~+90℃

Rated operating temperature: -40℃~+90℃

3、电缆敷设的允许弯曲半径不小于电缆外径的6倍

The allowable bending radius of the cable shall be not less than 6 times the diameter of the cable.

型号名称

产品型号及名称

型号 Type	名称 Name
EV-RS90S90	耐热90℃热塑性弹性体绝缘热塑性弹性体护套电动汽车交流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulated thermoplastic elastomer sheath electric vehicle AC charging conductive cable
EV-RS90S90PS90	耐热90℃热塑性弹性体绝缘热塑性弹性体内护套编织屏蔽热塑性弹性体护套电动汽车交流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulated thermoplastic elastomer sheathed braided shield thermoplastic elastomer sheath electric vehicle AC charging conductive cable

(续) 产品型号及名称

型号 Type	名称 Name
EV-RS90U	耐热90℃热塑性弹性体绝缘聚氨酯护套电动汽车交流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulation polyurethane sheath electric vehicle AC charging conductive cable
EV-RS90UPU	耐热90℃热塑性弹性体绝缘聚氨酯内护套编织屏蔽聚氨酯护套电动汽车交流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulation polyurethane inner sheath braided shield polyurethane sheath electric vehicle AC charging conductive cable
EVDC-RS90S90	耐热90℃热塑性弹性体绝缘热塑性弹性体护套电动汽车直流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulated thermoplastic elastomer sheath electric vehicle direct current charging conductive cable
EVDC-RS90S90PS90	耐热90℃热塑性弹性体绝缘热塑性弹性体内护套编织屏蔽热塑性弹性体护套电动汽车直流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulated thermoplastic elastomer sheathed braided shield thermoplastic elastomer sheath electric vehicle direct current charging conductive cable
EVDC-RS90U	耐热90℃热塑性弹性体绝缘聚氨酯护套电动汽车直流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulation polyurethane sheath electric vehicle direct current charging conductive cable
EVDC-RS90UPU	耐热90℃热塑性弹性体绝缘聚氨酯内护套编织屏蔽聚氨酯护套电动汽车直流充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulation polyurethane inner sheath braided shield polyurethane sheath electric vehicle direct current charging conductive cable
EV07E2E2-H	耐热90℃热塑性弹性体绝缘热塑性弹性体护套电动汽车充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulated thermoplastic elastomer sheath electric vehicle charging conductive cable
EV07E2E2C4E2-H	耐热90℃热塑性弹性体绝缘热塑性弹性体内护套编织屏蔽热塑性弹性体护套电动汽车充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulated thermoplastic elastomer sheathed braided shield thermoplastic elastomer sheath electric vehicle charging conductive cable
EV07E2Q-H	耐热90℃热塑性弹性体绝缘聚氨酯护套电动汽车充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulation polyurethane sheath electric vehicle charging conductive cable
EV07E2QC4Q-H	耐热90℃热塑性弹性体绝缘聚氨酯内护套编织屏蔽聚氨酯护套电动汽车充电传导电缆 Heat resistant 90 degrees C thermoplastic elastomer insulation polyurethane inner sheath braided shield polyurethane sheath electric vehicle charging conductive cable

电缆范围

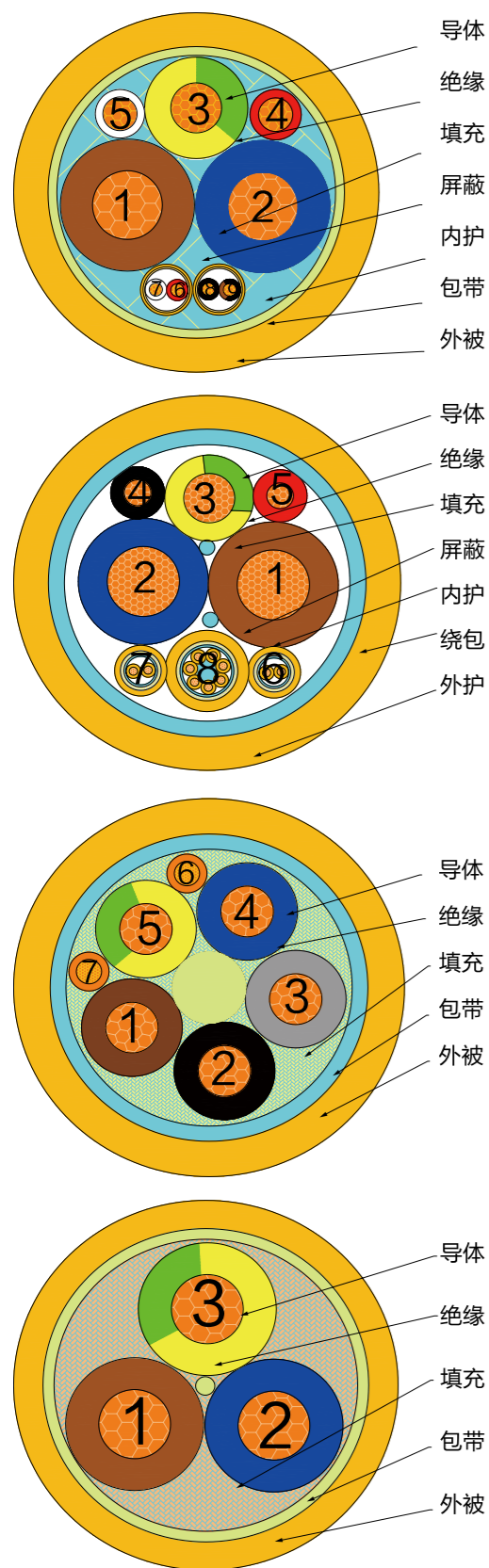
电缆范围

型号 Type	芯数 Core number	标称截面积 (mm ²) Nominal section
EV-RS90S90	3~5	1.0~70
EV-RS90S90PS90		
EV-RS90U		
EV-RS90UPU		
EVDC-RS90S90	2	10~240
EVDC-RS90S90PS90		
EVDC-RS90U		
EVDC-RS90UPU		
EV07E2E2-H	2~5	1.0~70
EV07E2E2C4E2-H		
EV07E2Q-H		
EV07E2QC4Q-H		

备注：特殊规格型号可根据客户实际用途增加信号线和控制线；

Note: special specifications can be used to increase the signal line and the control line according to the actual use of the customer;

产品结构示意 Product Structure Diagram



<p>EVDC直流充电桩电缆颜色代码: 1.棕; 2.蓝; 3.黄/绿; 4.红; 5.白; 6.红; 7.白; 8.黑; 9.黑/棕;</p> <p>EVDC DC charging pile cable color code: 1 brown; 2 blue; 3 yellow / green; 4 red; 5 white; 6 red; 7 white; 8 black; 9 Black / brown;</p>
<p>EVDC直流充电桩电缆颜色代码: 1.棕; 2.蓝; 3.黄/绿; 4.白; 5.红; 6.橙1号2号; 7.橙3号4号; 8.橙5号到11号</p> <p>EVDC DC charging pile cable color code: 1 brown; 2 blue; 3 yellow / green; 4 white; 5 red; 6 Orange 2 No. 1; 7 orange 4 number 3; 8 Orange 5 to 11</p>
<p>EV交流充电桩电缆颜色代码: 1.棕; 2.黑; 3.灰; 4.蓝; 5.黄/绿; 6.橙1号; 7.橙2号;</p> <p>EV AC charging pile cable color code: 1 brown; 2 black; 3 gray; 4 blue; 5 Yellow / green; 6 Orange 1; 7 orange 2;</p>
<p>EV交流充电桩电缆颜色代码: 1.棕; 2.蓝; 3.黄/绿;</p> <p>EV AC charging pile cable color code: 1 brown; 2 blue; 3 yellow / green;</p>

产品结构尺寸

无屏蔽电缆结构尺寸表 Size list of unshielded cable

型号 Type	主芯数 Main core number	规格 Specifications (mm ²)	绝缘标称厚度 Insulation Thickness (mm)	护套标称厚度 Nominal thickness of sheath (mm)	近似外径 Approximate outside diameter (mm)	近似重量 Approximate weight (kg/km)	20℃时导体 直流电阻 Conductor at 20℃ Direct current resistance ≤(Ω/km)
EV-RS90S90	3	1	0.8	1.7	9.5	110.6	19.5
EV-RS90S90	3	1.5	0.8	1.8	10.3	137.1	13.3
EV-RS90S90	3	2.5	0.8	1.9	11.6	184.4	7.98
EV-RS90S90	3	4	1.0	2.0	14.1	271.7	4.95
EV-RS90S90	3	6	1.0	2.2	16.1	374.9	3.3
EV-RS90S90	3	10	1.0	2.3	18.2	511.7	1.91
EV-RS90S90	3	16	1.0	2.6	21.2	736.9	1.21
EV-RS90S90	3	25	1.2	2.9	25.8	1101.8	0.78
EV-RS90S90	3	35	1.2	3.3	29.7	1509.3	0.554
EV-RS90S90	3	50	1.4	3.7	34.8	2137.4	0.386
EV-RS90S90	3	70	1.4	4.2	40.0	2899.0	0.272
EV-RS90S90	4	1	0.8	1.8	10.5	137.7	19.5
EV-RS90S90	4	1.5	0.8	1.9	11.4	171.2	13.3
EV-RS90S90	4	2.5	0.8	2.0	12.8	231.6	7.98
EV-RS90S90	4	4	1.0	2.2	15.7	351.0	4.95
EV-RS90S90	4	6	1.0	2.3	17.7	475.5	3.3
EV-RS90S90	4	10	1.0	2.5	20.3	662.3	1.91
EV-RS90S90	4	16	1.0	2.8	23.6	953.3	1.21
EV-RS90S90	4	25	1.2	3.2	28.9	1439.7	0.78
EV-RS90S90	4	35	1.2	3.6	33.1	1967.4	0.554
EV-RS90S90	4	50	1.4	4.1	39.0	2802.1	0.386
EV-RS90S90	4	70	1.4	4.6	44.8	3791.6	0.272

风力发电场耐扭转电缆 Torsion Resistant Cable for Wind Power Field

产品标准

VDE0282, HD22.4, HD22.10, VDE0281, VDE0812

适用范围

本产品适用于额定交流电压450/750V及以下风力发电场用动力及控制和信号的连接线路传输。

This product is suitable for rated AC voltage 450/750V and the following wind power generation field with power and control and signal connection line transmission.

使用特性 Use characteristics

1、动力电缆额定电压：600/1000V（AC），450/750V（AC）

Rated voltage of power cable: 600/1000V（AC），450/750V（AC）

2、控制或信号电缆额定电压：300/500V（AC），300/300V（AC）

Control or signal cable rated voltage: 300/500V（AC），300/300V（AC）

3、额定工作温度：-40℃~+90℃

Rated operating temperature: -40℃~+90℃

4、动力电缆敷设的允许弯曲半径不小于电缆外径的6倍，控制电缆敷设的允许弯曲半径不小于电缆外径的8倍。

The allowable bending radius of the power cable is not less than 6 times of the outer diameter of the cable.

The allowable bending radius of the cable is not less than 8 times of the diameter of the cable.

5、电缆在常温下经受长期频繁扭转10000次。

The cable is subjected to the 10000 times in a long time at room temperature.

6、电缆垂直固定安装敷设，电缆的抗拉满足悬挂一点时能够承受80米电缆自重。

The cable is fixed and installed vertically, and the cable can bear the weight of the 80 meter cable when the tension of the cable is satisfied with the suspension point.

型号名称

产品型号及名称

型号 Type	名称 Name
H07RN-F	乙丙橡胶绝缘氯丁橡胶护套或其它等效合成弹性体护套风力发电场风机用软电缆 Ethylene propylene rubber insulated rubber sheathed neoprene or other equivalent synthetic elastomer sheath soft cable for wind power generation field fan
H07BQ-F	耐热乙丙橡胶绝缘聚氨酯弹性体护套风力发电场风机用软电缆 Heat resistant EPDM insulation polyurethane elastomer sheath soft cable for wind power generation field fan
LIYY	聚氯乙烯绝缘聚氯乙烯护套风力发电场用风机控制电缆 PVC insulated and sheathed wind turbine control cable for wind power generation field
LIYYY	聚氯乙烯绝缘聚氯乙烯内护套及外护套风力发电场用风机控制电缆 Control cable for wind turbine of PVC insulated and PVC inner sheath and outer sheath wind power generator
LIYCY	聚氯乙烯绝缘镀锡铜丝编织屏蔽聚氯乙烯护套风力发电场用风机控制电缆 PVC insulated tinned copper braid shield PVC sheathed control cable for wind farm wind machine
LIYYCY	聚氯乙烯绝缘聚氯乙烯内护套镀锡铜丝编织屏蔽聚氯乙烯护套风力发电场用风机控制电缆 PVC insulated PVC sheathed tinned copper wire braided in wind shield PVC sheathed control cable for wind machine
LIYCY-TP	聚氯乙烯绝缘双绞镀锡铜丝编织总屏蔽聚氯乙烯护套风力发电场用风机控制电缆 PVC insulated twisted tinned copper wire braided PVC sheathed wind power field shielding control cable for wind machine
LIYCCY-TP	聚氯乙烯绝缘双绞镀锡铜丝编织分屏蔽成缆镀锡铜丝编织总屏蔽聚氯乙烯护套风力发电场用风机控制电缆 PVC insulated twisted tinned copper wire braided shielding cable tinned copper wire braided PVC sheathed wind power field shielding control cable for wind machine

电缆范围

电缆范围

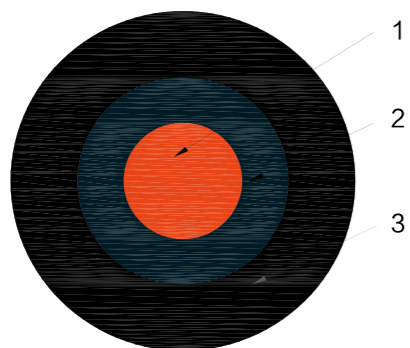
型号 Type	芯数 Core number	标称截面积 (mm ²) Nominal section
H07RN-F	1	1.5~400
	2	1.0~25
	3~4	1.0~300
H07BQ-F	5	1.0~95
	6~18	1.0~4.0
	6~36	1.0~2.5

(续) 电缆范围

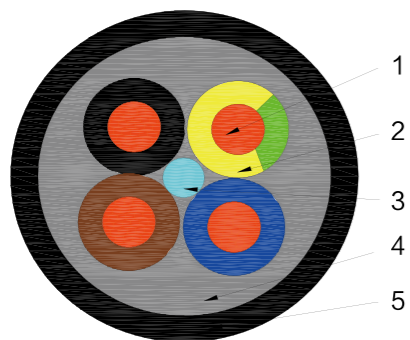
型号 Type	芯数 Core number	标称截面积 (mm ²) Nominal section
LIYY LIYYY	1~5	1.0~50
	3~21	4.0~6.0
LIYCY LIYYCY	3~36	0.14~2.5
LIYCY-TP LIYCCY-TP	1对~12对	0.14~0.5

备注：可根据客户实际用途增加型号规格结构；
Note: according to the actual use of customers to increase the model specifications;

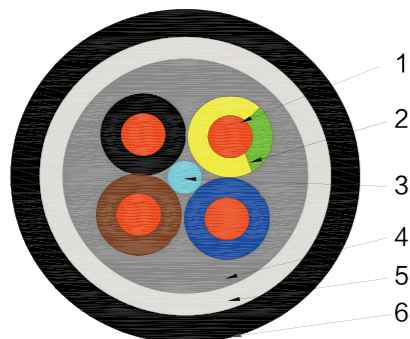
产品结构示意



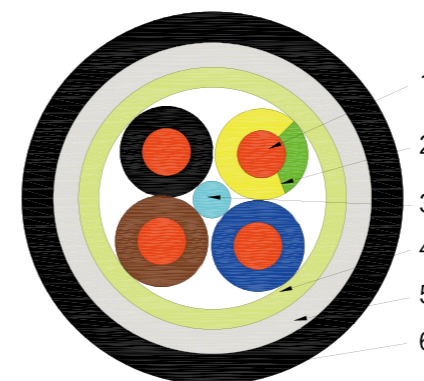
H07RN-F电缆：1.导体；2.绝缘；3.护套
H07RN-F cable: 1 conductor; 2 insulation; 3 sheath



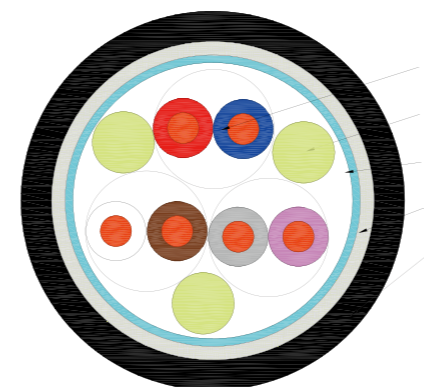
LIYYY电缆：1.导体；2.绝缘；3.填充；4.内护套；5.外护套
LIYYY cable: 1 conductor; 2 insulation; 3 filling; 4 inner sheath; 5 outer sheath



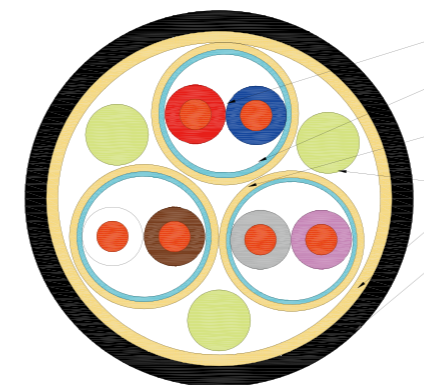
LIYY电缆：1.导体；2.绝缘；3.填充；4.内护套；5.编织屏蔽；6.外护套
LIYY cable: 1 conductor; 2 insulation; 3 filling; 4 inner sheath; 5 braided shield; 6 outer sheath



LIYYY电缆：1.导体；2.绝缘；3.填充；4.绕包；5.编织屏蔽；6.外护套
LIYYY cable: 1 conductor; 2 insulation; 3 filling; 4 winding; 5 braided shield; 6 outer sheath



LIYCY-TP电缆：1.对绞线；2.填充；3.绕包；4.屏蔽；5.外护套
LIYCY-TP cable: 1 pairs of twisted wires; 2 filling; 3 winding; 4 shield; 5 outer sheath



LIYCCY-TP：1.对绞线；2.绕包；3.分屏蔽；4.填充；5.总屏蔽；6.外护套
LIYCCY-TP: 1. twisted pair; 2 wrapped around the package; 3 shielding; 4 filling; 5 total shield; 6 outer sheath

资质荣誉

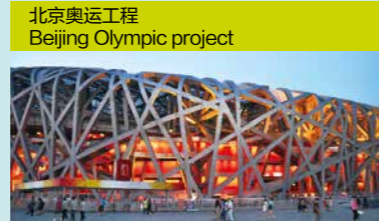


资质荣誉



主要业绩

- 上海电力公司 Shanghai Power CO.
- 浙江电力公司 Zhejiang Power CO.
- 江苏电力公司 Jiangsu Power CO.
- 安徽电力公司 Anhui Power CO.
- 上海浦东电厂 Pudong Shanghai Power Plant
- 四川电网改造工程 Sichuan Power Grid Reconstruction Project
- 北京京供塔园电缆工程 Cable Works of Beijing Beijing Tower Garden
- 江浦苏源电力实业有限公司 Jiangpu Suyuan Electric Power Industry Co. Ltd
- 大唐发电有限公司 Datang Power Generation Company Limited
- 广东电力公司 Guangdong Power CO.
- 成都市电力下地改造工程
Chengdu Electric Power Land Reclamation Project
- 长江三峡水利枢纽厂坝及永船安装调试工程
Installation and Commissioning of Dam and Permanent Ship of Three Gorges Water Control Project of Yangtze River
- 广深铁道电气化改造工程 Electrification Reform Project of Guangzhou Shenzhen Railway



- 上海浦东机场 Shanghai Pudong International Airport;
- 上海虹桥机场 Shanghai Hongqiao Airport
- 重庆江北国际机场 Chongqing Jiangbei international Airport
- 湖南黄花机场 Hunan Huanghua Airport
- 北京国际机场 Beijing International Airport
- 西安咸阳机场 Xi'an Xianyang Airport
- 广州白云机场 Guangzhou Baiyun Airport

- 上海新虹桥枢纽 Shanghai New Hongqiao Junction
- 上海世博会 Shanghai World Expo
- 上海三号线 Shanghai Line Three
- 上海电信局 Shanghai Telecom Bureau
- 上海新客站 Shanghai New Railway Station
- 上海石化二期工程 The Two Phase of Shanghai Petrochemical Project
- 上海戏剧院 Shanghai Opera House
- 上海金茂大厦 Shanghai Jinmao Tower
- 湘潭钢铁集团 Xiangtan Iron and Steel Group
- 防城港务局 Fangcheng Port Authority

