



STAR LONG

宁波星龙电缆有限公司

NINGBO STARLONG CABLE CO., LTD.



关于我们

宁波星龙电缆有限公司

我们是坐落于中国宁波的专业电缆供应商，为全球客户提供一站式电缆采购解决方案。

我们与具备完整资质、经过审核的电缆生产厂家合作。产品符合IEC、CE、TUV、BS等主流国际标准。

主营产品包含光伏电缆、储能电缆、电力电缆、建筑布电线、船用电缆、控制电缆、耐火电缆。我们也可以按照您的技术参数定制特种电缆。

我们注重可靠的质量把控、有竞争力的价格以及全套出口单证服务。小批量试单与大型项目订单均可承接。

我们致力于成为您值得信赖的电缆采购合作伙伴，助力您开拓当地电缆市场。

About Us

Ningbo Starlong Cable Co., Ltd.

We are a professional cable supplier based in Ningbo, China. We provide one-stop cable sourcing solutions for global clients.

We cooperate with fully qualified and audited cable manufacturers. Our products comply with major international standards including IEC, CE, TUV and BS.

Our product range covers solar PV cables, energy storage cables, power cables, building wires, shipboard cables, control cables and fire-resistant cables. We also accept customized cables according to your technical specifications.

We focus on reliable quality control, competitive pricing and smooth export documentation. We support both trial orders and large project orders.

Our goal is to be your trusted cable sourcing partner and help you develop local cable markets.

宁波星龙电缆有限公司
NINGBO STARLONG CABLE CO., LTD.



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66-500Kv 交联聚乙烯绝缘电力电缆

66-500Kv XLPE POWER CABLE

执行标准
Standard

GB/T11017-2002 额定电压 110kV 交联聚乙烯绝缘电力电缆及其附件；

GB/Z18890-2002 额定电压 220kV 交联聚乙烯绝缘电力电缆及其附件；

GB/T22078-2008 额定电压 500 kV(U_m=500kV) 交联聚乙烯绝缘电力电缆及其附件。

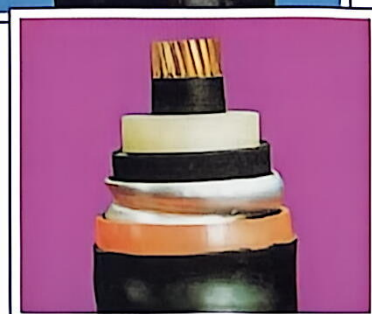
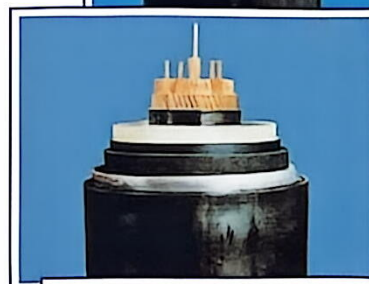
GB/T11017-2002 XLPE Insulated Power Cable with Rated Voltage 110kV and Accessories;

GB/Z 18890-2002 XLPE Insulated Power Cable with Rated Voltage 110kV and Accessories;

GB/T 22078-2008 Rated Voltage 500kV(U_m=500kV) Cross-linked Polyethylene Insulated Power Cable and Accessories.

电缆型号规格、名称
Specification

- YJ LW02 一铜芯交联聚乙烯绝缘皱纹铝护套聚氯乙烯护套电力电缆
- YJ LW02-Z 一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
- YJ LW03 一铜芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套电力电缆
- YJ LW03-Z 一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
- YJ LLW02 一铝芯交联聚乙烯绝缘皱纹铝护套聚氯乙烯护套电力电缆
- YJ LLW02-Z 一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
- YJ LLW03 一铝芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套电力电缆
- YJ LLW03-Z 一铝芯交联聚乙烯绝缘皱纹铝护套聚乙烯护套纵向阻水
- YJLW02 —Power Cable with Copper conductor, XLPE Insulation, Corrugated Aluminum Sheath. PVC Outer sheath
- YJLW02-Z —Longitudinal Water-proof Power Cable with Copper conductor XLPE Insulation, Corrugated Aluminum Sheath, PVC Outer Sheath
- YJLW03 —Power Cable with Copper conductor, XLPE Insulation, Corrugated Aluminum Sheath, PE Outer Sheath
- YJLW03-Z —Longitudinal Water-proof Power Cable with Copper conductor,XLPE Insulation, Corrugated Aluminum Sheath, PE Outer Sheath
- YJLLW02 —Power Cable with Aluminum conductor, XLPE Insulation. Corrugated Aluminum Sheath, PVC Outer Sheath
- YJLLW02-Z — Longitudinal Water-proof Power Cable with Aluminum Conductor, XLPE Insulation, Corrugated Aluminum Sheath, PVC Outer sheath
- YJLLW03 —Power Cable with Aluminum C onductor, XLPE Insulation, Corrugated Aluminum Sheath, PE Outer Sheath
- YJLLW03-Z —Longitudinal Water-proof Power Cable with Aluminum Conductor, XLPE Insulation, Corrugated Aluminum Sheath, PE Outer sheath



使用环境

Ambient Condition

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℃；

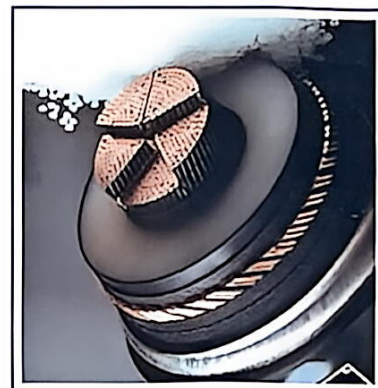
电缆的安装最小弯曲半径推荐为 20 倍电缆外径；

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。

Max. allowable temperature for conductor: 90℃ under normal operating; 250℃ during short circuit(no more than 5s)

Min. bending radius during installation recommends 20 times the size of cable outer diameter;

Ambient temperature for PVC sheath cable during installation shall be no less than 0℃; if the temperature is lower than 0℃, cable should be preheated.



金属套

Metal Sheath

铅套和皱纹铝套电缆除适用于一般场所外，特别适用于下列场合

铅套电缆：腐蚀较严重但无硝酸、醋酸、有机质（如泥煤）及强碱性腐蚀质，且受机械力（拉力、压力、振动等）不大的场所。

皱纹铝套电缆：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）。

Lead sheath and corrugated aluminum sheath also can be specially applied in the following condition expect for normal condition.

Cable with lead sheath: applied in the places with heavy erosion but no nitric acid, acetum, organic medium(e.g peat)and strong alkali erosive medium, and place without large mechanism force (pulling, pressure, and vibration).

Cable with corrugated aluminum sheath:applied in the place without serious erosion and required to bear certain mechanism force(e.g.Direct connection with transformers, laid on the bridge or in the vertical well).



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；

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的高压电缆线路。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。

Cable with PVC outer sheath (type 02) is suitable for the high voltage cable&wire circuit with ordinary fire-proof requirement and certain insulation requirement on the outer sheath:

Cable with PE outer sheath(type 03)is suitable for the high voltage cable&wire buried underground directly, with higher insulation requirement on the outer sheath; certain flame-retardant and fire-proof measure should be carried out, if it is applied in the tunnel or vertical well.



交联聚乙烯绝缘电力电缆

XLPE Insulated Power Cable

生产标准:

本产品执行 GB/T12706-2008、IEC60502-2005 标准制造。

使用范围:

本产品适用于固定敷设在额定电压 35kV 及以下的电力传输和电力分配线路上。

使用特性:

- 1、工作温度 电缆导体最高额定工作温度为 90℃;
- 2、过载温度 电缆短路时, 过载最高温度不得超过 130℃;
- 3、短路温度 电缆短路时, 最高温度不得超过 250℃(最长持续时间不超过 5 秒);
- 4、敷设温度 电缆敷设温度不低于 0℃。低于 0℃时须预先加热;
- 5、弯曲半径 单芯电缆允许弯曲半径 $20(D+d) \pm 5\%$;
多芯电缆允许弯曲半径 $15(D+d) \pm 5\%$;
上式中;
D- 电缆的实际外径, mm;
d- 电缆导体的实际外径, mm。

注: 1、交流系统中, 单芯非铠装电缆不允许敷设在磁性管道中, 管道应具有非磁性。

2、单芯铠装(磁性金属)电缆仅适用于直流场合。交流场合, 电缆铠装应采用非磁性金属铠装。

3、我厂亦可按客户要求生产非标准产品。

4、我厂还能生产阻燃型、低烟低卤阻燃、低烟无卤(低毒)阻燃、耐候型、防鼠、蚁型、防水型、防腐防油型电力电缆。



Applicable Standards

This product is made to GB/T12706-2008、IEC60502-2005.

Application

This product is suitable for the power transmission and distribution line with rated voltage of 35 kV and below.

Characteristics

- 1、Operating Temperature Max. rated operating temperature of the conductor is 90℃;
- 2、Overloading Temperature Max. Overloading temperature shall no more than 130℃ under short circuit condition;
- 3、Short Circuit Temperature When the cable is in a status of short circuit, the maximum temperature shall be no more than 250℃ (Within 5 secs.);
- 4、Laying Temperature The laying temperature shall be no less than 0℃. If the temperature is lower than 0℃, the cable should be heated up beforehand;
- 5、Bending Radius Allowable bending radius of single-core cable: $20(D+d) \pm 5\%$;
Allowable bending radius of multi-core cable: $15(D+d) \pm 5\%$;
D: is the actual outer diameter of cable
d: is the actual outer diameter of conductor

Note: 1、In the alternating-current system, the single core unarmored cable are not permitted to be placed in the magnetic pipeline, the pipeline should have the nonmagnetic.

2、The single core armored(magnetic metal) cable is only suitable for direct-current condition. Under alternating current system, non-magnetic metal armoring shall be applied

3、Our company can produce those nonstandard products in accordance with requirements from customers.

4、Our company can produce flame-retardant, fire-resistant, low smoke low halogen flame-retardant, low smoke non-halogen flame-retardant, weather-resistant, rat-proof, anti-termite, water proof, corrosion and oil proof power cable.

地铁（轻轨）用电缆

Subway (Light Rail) Cable

生产标准:

本产品执行 Q/ZWD 003-2007 铜芯、铝塑料绝缘阻燃电缆。

引用标准:

TB/T2822-1997	电气化铁道 27.5kV 单相铜芯交联聚乙烯绝缘电力电缆
GB/T9330-2009	塑料绝缘控制电缆;
GB/T12706-2008	额定电压 1kV(U _m =1.2kV) 到 35kV(U _m =40.5kV) 挤包绝缘电力电缆;
GB/T19666-2005	阻燃和耐火电缆通则;
IEC60332-3	垂直安放的成束电线或电缆;
IEC60502	额定电压 1-30kV 挤包绝缘电力电缆及附件
IEC60754-1	取自电缆的材料燃烧时析出气体的实验方法 第 1 部分: 卤酸气体释放量的测量;
IEC60754-2	取自电缆的材料燃烧时析出气体的实验方法 第 1 部分: 用测量 PH 值和导电率来测定气体的酸度;
IEC61034	电 (光) 缆在特定条件下燃烧的烟密度的测定;
NES713	(第三版) 小样材料燃烧产物毒性指数的测定。

使用范围:

本品适用于地铁 (轻轨)、高层建筑等场合输配电能。

使用特性:

产品具有低烟低 (无) 卤阻燃特性, 还可具有防紫外线、防鼠、防水, 低毒, 耐候性等性能, 根据需求也可具有防白蚁性能, 且对人体、环境无害。根据不同的阻燃要求分为 A、B、C 级。



Applicable Standards

The product is made to Q/ZWD 003-2007 Cu Core, Plastic Insulated Flame Retardant Cable.

Standards Quoted

TB/T2822-1997 27.5KV Single-phase Copper Conductor XLPE Insulated Power Cable for Electric Rails

GB/T9330-2009 Plastic Insulated Control Cable

GB/T12706-2008 Power Cables with Extruded Insulation for Rated Voltages from 1kV(U_m=1.2kV) up to 35kV(U_m=40.5kV)

GB/T19666-2005 General Principles for Flame-retardant & Fire-resistant Cable.

IEC60332-3 Vertical Arranged Bundled Wire or Cable.

IEC60502 Extruded Insulated Cable and Accessories for Rated Voltage 1-30kV.

IEC60754-1 Testing Method for Gases from Cable Materials: Part1 Halogen Acid Gas Emissions Measurement.

IEC60754-2 Testing Method for Gases from Cable Materials: Part2 Gas Acidity by Measuring the PH Value and Conductivity.

IEC61034 Smoke Density Measurement for Burning Cable or Optical Cable under Special Condition.

NES713(third Edition) Toxicity Index Measurement for Small Material Burning Combustion.

Application

The product is suitable for electricity transmission and distribution of subway, light rail and high buildings, etc.

Feature

The features of the product are listed as follows: LSLH(LSOH), fire-resistant, ultraviolet-proof, anti-rat, water proof, low-toxicity, weather-resistant, anti-termite(if need). And it does no harm to human or environment. Flame-retardant grade can be divided into 3 levels: A、B、C.

硅烷交联聚乙烯绝缘电力电缆

Sioplas Cable

生产标准：

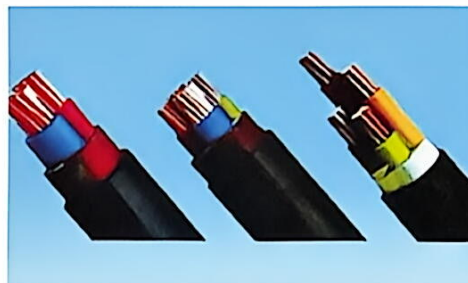
本产品 GB/T12706-2008、IEC60502-2005。

使用范围：

本产品适用于额定电压为 3kV 及以下的线路中，供输配电能之用。

使用特性：

- 1、工作温度 电缆导体最高额定工作温度为 90℃；
- 2、短路温度 电缆短路时，最高温度不得超过 250℃(最长持续时间不超过 5 秒)；
- 3、敷设温度 电缆敷设时环境温度不低于 0℃；
- 4、弯曲半径 单芯电缆允许弯曲半径 $20 (D+d) \pm 5\%$ ；
多芯电缆允许弯曲半径 $15 (D+d) \pm 5\%$ ；
上式中；
D- 电缆的实际外径，mm；
d 电缆导体的实际外径，mm。



注：1、交流系统中，单芯非铠装电缆不允许敷设在磁性管道中，管道应具有非磁性。

2、单芯铠装（磁性金属）电缆仅适用于直流场合。交流场合，电缆铠装应采用非磁性金属铠装。

3、我厂亦可按客户要求生产非标准产品。

4、我厂还能生产阻燃型、耐火型、低烟低卤阻燃型、低烟无卤阻燃型、耐候型、防鼠、蚁型、防水型、防腐防油型交联聚乙烯绝缘电力电缆。

Applicable Standards

This product is made to GB/T12706-2008、IEC60502-2005.

Application

This product is suitable for power transmission and distribution with rated voltage up to and including 3kV.

Characteristics

- 1、Operating Temperature The maximum rated operating temperature of the conductor is 90℃;
- 2、Short Circuit Temperature When the cable is in a status of short circuit, the maximum temperature should be no more than 250℃ (Duration time should be no more than 5 seconds);
- 3、Laying Temperature The laying temperature should not be less than 0℃;
- 4、Bending Radius Allowable bending radius of single-core cable: $20 (D+d) \pm 5\%$;
Allowable bending radius of multi-core cable: $15 (D+d) \pm 5\%$;
Note:
Di-s the actual outer diameter of cable , in mm;
di-s the actual outer diameter of conductor , in mm.

Note: 1、In the alternating-current system, the single core unarmored cable are not allowed to be laid in the magnetic pipeline, the pipeline should be nonmagnetic.

2. The single core armored(magnetic metal) cable is only suitable for direct-current condition. Under alternating current system, non-magnetic metal armoring shall be applied

3. Our company can produce those nonstandard products in accordance with requirements from customers.

4. Our company can produce flame-retardant, fire-resistant, low smoke low halogen flame-retardant, low smoke non-halogen flame-retardant, weather-resistant, rat-proof, anti-termite, water proof, corrosion and oil proof cross-linked polyethylene insulated power cable.

聚氯乙烯绝缘电力电缆

PVC Insulated Power Cable

生产标准:

本产品 GB/T12706-2008、IEC60502-2005。

使用范围:

本产品适用于交流额定电压 U_0/U 为 0.6/1kV 及以下的线路中，供输配电能之用。

使用特性:

- 1、工作温度 电缆导体最高额定工作温度为 70℃；
- 2、短路温度 电缆短路时，最高温度不得超过 160℃(最长持续时间不超过 5 秒)；
- 3、敷设温度 电缆敷设温度不低于 0℃；
- 4、弯曲半径 单芯电缆允许弯曲半径 $20(D+d) \pm 5\%$ ；
多芯电缆允许弯曲半径 $15(D+d) \pm 5\%$ ；
上式中；
D- 电缆的实际外径，mm；
d- 电缆导体的实际外径，mm。



注: 1、交流系统中，单芯非铠装电缆不允许敷设在磁性管道中，管道应具有非磁性。

2、单芯铠装（磁性金属）电缆仅适用于直流场合。交流场合，电缆铠装应采用非磁性金属铠装。

3、我厂亦可按客户要求生产非标准产品。

4、我厂还能生产阻燃型、耐火型、低烟低卤阻燃型、耐候型、防鼠、蚊型、防水型、防腐防油型聚氯乙烯绝缘电力电缆。

Applicable Standards

This product is made to GB/T12706-2008、IEC60502-2005.

Application

This product is suitable for power transmission and distribution for A.C. rated voltage of 0.6/1 kV and below.

Features

- 1、Operating Temperature Max. rated operating temperature of the conductor is 70℃；
- 2、Short Circuit Temperature When the cable is in a status of short circuit, the maximum temperature should be no more than 160℃(Within 5 secs.);
- 3、Laying Temperature The laying temperature should not be less than 0℃；
- 4、Bending Radius Allowable bending radius of single-core cable: $20(D+d) \pm 5\%$ ；
Allowable bending radius of multi-core cable: $15(D+d) \pm 5\%$ ；
Note:
D-is the actual outer diameter of cable , in mm;
d-is the actual outer diameter of conductor , in mm.



Note: 1、In the alternating-current system, the single core unarmored cable are not allowed to be laid in the magnetic pipeline, the pipeline should be nonmagnetic.

2、Single core armored (magnetic metal) cable is only suitable for the direct-current system. Nonmagnetic metal armor should be applied in alternating current system.

3、Customized and offstandard products also can be manufactured according to detailed requirements.

4、Our company can also manufacture flame-retardant, fire-resistant, LSLH, LSOH, weather-resistant, anti-rat, anti-termite, water proof, corrosion-proof, PVC insulated power cable.

预制分支电缆

Prefabricated Branched Cable

生产标准:

本产品执行 Q/ZWD 007-2007

引用标准:

- JISC 2810 电线连接通则 (日本工业标准);
- JCS 376 附带分支线电缆 (日本电线工业会标准);
- IEC 60502 额定电压 1-30kV 挤包绝缘电力电缆及附件;
- GB 12706 额定电压 35kV 及以下铜芯、铝芯塑料绝缘电力电缆。

使用范围:

本品适用于住宅楼、办公大楼、宾馆、医院、商场等高层建筑配电等系统, 也适用于公路、桥梁及隧道的照明系统。

使用特性:

- 1、绝缘电阻 $\geq 200M\Omega$;
- 2、绝缘耐电压 3500V/5min 不击穿;
- 3、分支接头具有良好的气密性与防水性, 通过浸水试验绝缘电阻与工频耐压分别符合第 1、第 2 条规定的要求;
- 4、分支接头的接触电阻小, 接触电阻与等长的分支线的基准之比值 ≤ 1.2 ;
- 5、阻燃预制分支电缆符合 GB12666.5 成束电线电缆燃烧试验方法;
- 6、耐火预制分支电缆符合 GB12666.6 电线电缆耐火特性试验方法;
- 7、低烟低卤预制分支电缆: 燃烧烟密度试验最小透光率为 40%, 电缆燃烧时释放出气体的试验护套的卤酸气体总量最大 100mg/g;
- 8、低烟无卤预制分支电缆: 燃烧烟密度试验最小透光率为 60%, 电缆燃烧时释放出气体的试验: 护套的卤酸气体释出量最大 2.0mg/g, 护套的 PH 值最小为 4.3, 护套的电导率最大为 $10\mu s/mm$;
- 9、电缆的长期允许工作温度: 聚氯乙烯绝缘为 70°C; 交联聚乙烯绝缘为 90°C;
- 10、电缆短路时 (最长持续时间不超过 5 秒), 电缆的最高温度: 聚氯乙烯绝缘为 160°C; 交联聚乙烯绝缘为 250°C;
- 11、电缆的敷设温度应不低于 0°C。



Applicable Standards

The product is made to Q/ZWD 007-2007.

Standards Quoted

- JISC 2810 General Standard of Connecting Wire(Japanese Industrial Standard);
- JCS 376 Attached Branched Cable(Japanese Wire Industrial Commission Standard);
- IEC 60502 Extruded Insulated Power Cable and Accessory with Rated Voltage of 1 kV to 30 kV;
- GB 12706 Cu /Al Core, Al/Plastic Insulated Cable With Rated Voltage of 35kV and below.

Application

The product is suitable for distribution system of residential areas, office building, hotel, hospital, mall and so on. It is also used in illuminating system of roads, bridges and tunnels.

Characteristics

- 1、Insulation resistance $\geq 200M\Omega$;
- 2、Insulation voltage-withstand at 3500V for 5min without breakdown;
- 3、The connecting joint shall be gas-tight and water proof.The insulation resistance and power frequency voltage-withstand shall conform to the specification 1,2;
- 4、Contant resistance of the connecting joint is small. The ratio between contant resistance and branch line criterion is ≤ 1.2 ;
- 5、Flame retardant prefabricated branched cable shall conform to GB 12666.5. Burning Test for Bundled cables & Wires;
- 6、Fire-resistant prefabricated branched cable shall conform to GB12666.6. Fire Resistance Test Method for Cables & Wires;
- 7、For LSLH prefabricated branched cable: Min.transmittance in smoke density test shall be 40%, and Max. halogen acid gas released from burning sheath shall be 100mg/g;
- 8、For LSOH prefabricated cable: Min.transmittance in smoke density test shall be 60%; Max. halogen acid gas released from burning sheath shall be 2.0mg/g; Min.PH value for sheath shall be 4.3; and Max. conductivity for sheath shall be $10\mu m/mm$;
- 9、The long-term allowable operating temperature of cable: PVC insulation:70°C, XLPE insulation:90°C;
- 10、The Max.short circuit temperature(within 5 secs): for PVC insulation:160°C; for XLPE insulation:250°C;
- 11、The laying temperature of cable: $\geq 0^\circ C$.

架空绝缘电缆

Aerial Insulated Cable

生产标准:

本产品执行 GB/T12527-2008, GB/T14049-2008。

使用范围:

本产品适用于高层建筑群、旅游开发区及树木丛多地区的 1kV, 10kV, 35kV 架空输配电线及城市内的输配电路。

使用特性:

- 1、电缆额定电压分为三种:
 - A. 0.6/1kV;
 - B. 10 (12) kV;
 - C. 35 (42) kV;
- 2、电缆的长期允许工作温度:
 - 聚氯乙烯绝缘为 70℃;
 - 聚乙烯绝缘为 70℃;
 - 交联聚乙烯绝缘为 90℃;
- 3、短路时 (最长持续时间不超过 5 秒), 电缆的最高温度:
 - 聚氯乙烯绝缘为 160℃;
 - 聚乙烯绝缘为 130℃;
 - 交联聚乙烯绝缘为 250℃;
- 4、电缆的敷设温度应不低于 -20℃。



Applicable Standards

This product is made to GB/T12527-2008, GB/T14049-2008.

Application

This product is suitable for aerial power transmission and distribution with rated voltage of 1kV, 10kV, 35kV for tall buildings, touring areas, areas with a lot of trees.

Characteristics

- 1、Rated voltage can be divided into three kinds:
 - A. 0.6/1kV;
 - B. 10 (12) kV;
 - C. 35 (42) kV;
- 2、The allowable temperature of the cable for long-term operating:
 - 70℃ for PVC insulated cables;
 - 70℃ for PE insulated cables;
 - 90℃ for XLPE insulated cables;
- 3、Highest temperature of the cable when in a status of short circuit (Duration time should be no more than 5 seconds):
 - 160℃ for PVC insulation cables;
 - 130℃ for PE insulated cables;
 - 250℃ for XLPE insulated cables;
- 4、Laying temperature of the cable shall no be less than -20℃.



铜铝杆、铝绞线、钢芯铝绞线（稀土）

Copper and Aluminium Rod, Aluminium Stranded Wire, ACSR (Rare Earth)

生产标准:

本产品执行 GB/T3952-2008, GB/T3954-2008, GB/T1179-2008 标准进行生产。

使用范围:

本产品适用于架空电力输配电线路。

使用特性:

- 1、架空导线长期允许工作温度为 70℃;
- 2、在大跨越的稀有气象条件下和重冰区较少出现覆冰的情况下, 导线在弧垂最低点的最大应力, 均不应超过瞬时破坏应力的 60%;
- 3、放线滑车的槽底直径应大于导线外径的 10 倍, 滑轮的材料应与导线材料相适应, 以免损伤导线;
- 4、连接导线时, 连接管附近的股线不应鼓包, 否则, 运行中导线的股线受力不均, 接头压好后, 连接管口应涂防潮油漆, 预防腐蚀;
- 5、在安装时, 同一档柜内所有导线的弧垂应力相同, 在对地及跨越建筑物保护的限距允许范围内, 可使导线应力高于正常张力的 10-15%。



Applicable Standards

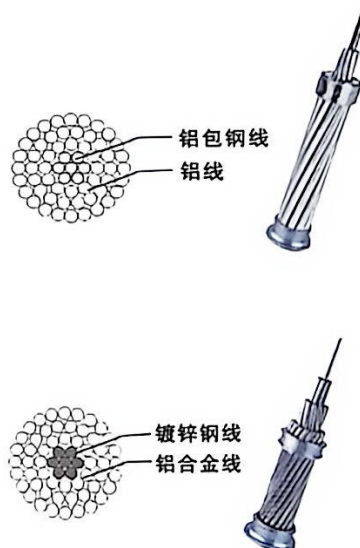
This product is made to GB/T3952-2008, GB/T3954-2008, GB/T1179-2008.

Application

This product is suitable for aerial power transmission and distribution.

Characteristics

- 1、Long-term operating temperature of the aerial cable is 70℃.
- 2、Under rare weather conditions in large span and a condition of less icing in heavy icing area, Max.stress of wire at the lowest point of sag shall not exceed 60% of the instantantous breaking stress.
- 3、The bottom diameter of paying off pulley shall be 10 times lager than conductor' s outer diameter. The material of pulley shall be in consistent with the conductor' s in order not to damage the conductor.
- 4、When connecting the conductors, there should be no bulge near the connecting pipe, or the stress of strands in operation is uneven. After connecting, the mouth of the pipes should be moisture-proof painted to prevent corrosion.
- 5、During installation, the sag stress of all conductors in the same distance should be equal, and in the allowable scope of building-expansion, the stress is allowed to be 10-15% more than the normal tensile force.



光纤复合低压电力电缆产品

Optical Fiber Composite Low Voltage Power Cables

光纤复合低压电缆具有光缆和电力电缆的性能和特点，速度快、传输容量大、衰减小，具有优良的传输性能、机械性能和电气性能。

光纤复合低压缆是在通信接入网中将光纤随低压电力线进行集成敷设，融合了光纤通信与电力传输的功能，集光纤和电力输配电缆于一身，避免二次布线，节约大量的金属、管道、塑料等资源，可有效降低施工、网络建设等费用，是目前性价比最高的“最后一公里”接入方案。

光纤复合低压缆本身具有多路光纤，除了电网光通信自身需求外，还能分别为电信和广电运营商提供用户通路，相互独立、互不干扰。这种解决方案具备以下优势：

第一，光纤复合低压缆在新建住宅光纤入户领域中成本最低，能够明显降低运营商的入户成本。

第二，光纤复合低压缆方案可以提高多元网路的综合运营效率和可靠性。在光纤复合低压缆中，光纤信号在光缆中的传输互不干扰，并且传输电网信息的光纤和传输网络信息的光纤完全物理隔离，可以有效地阻止来自互联网和电网对生产控制的攻击，不会产生安全隐患；同时，电缆和光纤的统一铺设、统一管控，本身也能提高各子系统的可靠性。

生产标准

我公司光纤复合低压电缆按 Q/ZWD 066-2010 企业标准进行生产。

适用范围

本产品适用于额定电压 0.6/1kV 及以下线路中，供输配电能于光通信之用。

The performance and characteristics of optical fiber composite low voltage cable include those of optical cable and power cable: high speed, large transmission capacity, low attenuation, excellent transmission performance, mechanical properties and electrical properties.

Optical fiber composite low voltage cable is connected to the communication network, optical fiber laying with low-voltage power lines by integrated installation. It sets the function of optical fiber communication and power transmission, and gets the optical fiber and distribution cables in one, to avoid secondary wiring, saving a lot of metal, pipes, plastic and other resources, which can effectively reduce the construction, network construction and other costs, and it is the most cost-effective "last mile" access program.

Optical fiber composite low voltage cable has multiplexed fiber-optical. Besides its own needs in optical communication, it also provides users independent, non-interfering accesses separately for telecommunications and broadcasting operators. This solution has the following advantages:

First, optical fiber composite low voltage cable in newly-built residential areas is in lowest FTTH cost which can significantly reduce the operator's FTTH costs.

Second, optical fiber composite low voltage cable program can improve the reliability and operational efficiency of multi-network. In optical fiber composite low voltage cables, fiber optic signal transmission in cable has no interference, and complete physical isolation between grid information transmission and network information transmission which can effectively prevent the production control attacks from the Internet and power grid, completely eradicate security risks. In the meanwhile, the unified laying and unified management of the fiber optic and cable can improve the reliability of the various subsystems as well.

Production standards

Optical fiber composite low voltage cables in our company are manufactured according to the enterprise standard Q/ZWD 066-2010.

Applicable Scope

This product is suitable for rated voltage up to and including 0.6/1 kV lines, for power transmission and distribution to optical communication.

使用环境

Ambient Condltion

适用特性

- 电缆导体的最高额定温度：
聚氯乙烯绝缘电力电缆为 70℃;
硅烷交联聚乙烯绝缘电力电缆为 90℃。
- 短路时电缆导体的最高温度（最长持续时间不超过 5 秒）：
聚氯乙烯绝缘电力电缆不超过 160℃;
硅烷交联聚乙烯绝缘电力电缆不超过 250℃。
- 光纤衰减系数
使用波长 1310nm, 衰减系数最大值: 0.36dB/km;
使用波长 1550nm, 衰减系数最大值: 0.22dB/km。
- 电缆敷设时的环境温度不低于 0℃, 其最小弯曲直径为：
单芯电缆: $20(D+d) \pm 5\%mm$,
多芯电缆: $15(D+d) \pm 5\%mm$ 。
式中: D-- 电缆的实际外径,
d-- 电缆导体的实际外径。

电缆拉断力

铝芯电缆: $4 \times S(N)$

铜芯电缆: $7 \times S(N)$

注: S为光纤复合低压电缆中电力电缆总截面面积。

Applicable characteristics

- The maximum rated temperature of cable conductor:
PVC insulated power cable is 70 °C;
Silane crosslinked polyethylene insulated power cable is 90 °C.
- Max. conductor temperature at short circuit (more than 5 seconds):
PVC insulated power cable shall be no more than 160 °C;
Silane crosslinked polyethylene insulated power cable shall be no more than 250 °C.
- Optical Fiber attenuation coefficient
The used of wavelength 1310nm, the maximum attenuation coefficient:
0.36dB/km;
The used of wavelength 1550nm, the maximum attenuation coefficient:
0.22dB/km.
- Laying environmental temperature shall be no less than 0 degrees, the minimum bending diameter:
Single core: $20(D+d) + 5\%mm$,
Multi core: $15(D+d) + 5\%mm$.
Note: D--actual outer diameter of cable
d--actual outer diameter of conductor

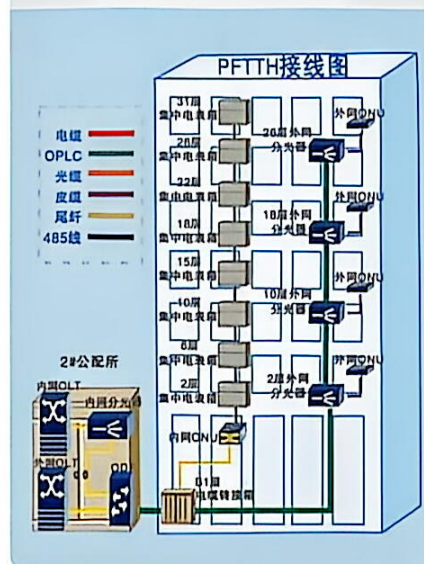
Cable tensile force

Aluminium core cable: $4 \times S(N)$

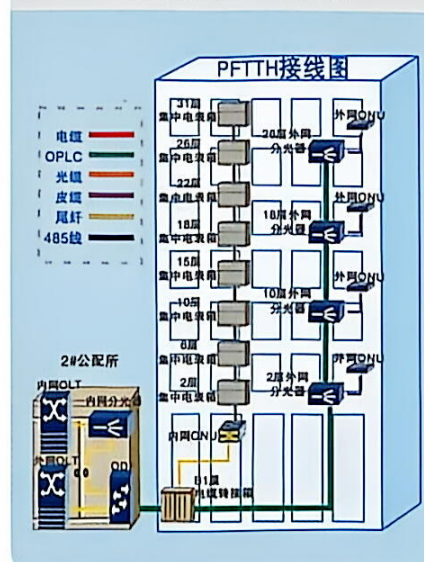
Copper core cable: $7 \times S(N)$

Note: S is the total cross-sectional area of optical fiber composite low voltage cables .

单元内EPON方案



单元内EPON方案



电缆型号

型 号		名 称	主要用途
铜 芯	铝 芯		
OPLC-YJV	OPLC-YJLV	铜芯（铝芯）交联聚乙烯绝缘聚氯乙烯护套光纤复合电缆	敷设在室内、隧道内和固定在托架上管道中及直埋在土壤中。电缆不能承受机械外力作用。
OPLC-YJY	OPLC-YJLY	铜芯（铝芯）交联聚乙烯绝缘聚乙烯护套光纤复合电缆	
OPLC-YJV22	OPLC-YJLV22	铜芯（铝芯）交联聚乙烯绝缘钢带铠装聚氯乙烯护套光纤复合电缆	敷设在土壤中。电缆能承受机械外力作用，但不能承受大的拉力。
OPLC-YJV23	OPLC-YJLV23	铜芯（铝芯）交联聚乙烯绝缘钢带铠装聚乙烯护套光纤复合电缆	
OPLC-VV	OPLC-VLV	铜芯（铝芯）聚氯乙烯绝缘聚氯乙烯护套光纤复合电缆	敷设在室内、隧道内和固定在托架上管道中及直埋在土壤中。电缆不能承受机械外力作用。
OPLC-VY	OPLC-VLY	铜芯（铝芯）聚氯乙烯绝缘聚乙烯护套光纤复合电缆	
OPLC-VV22	OPLC-VLV22	铜芯（铝芯）聚氯乙烯绝缘钢带铠装聚氯乙烯护套光纤复合电缆	敷设在土壤中。电缆能承受机械外力作用，但不能承受大的拉力。
OPLC-VY23	OPLC-VLY23	铜芯（铝芯）聚氯乙烯绝缘钢带铠装聚乙烯护套光纤复合电缆	

Cable type

Type		Name	Main Purpose
Copper core	Aluminum core		
OPLC-YJV	OPLC-YJLV	Copper (aluminum) conductor crosslinked polyethylene insulated PVC sheathed optical fiber composite cable	For laying indoors, in tunnel and fixed on the bracket pipes and buried in the soil. Cable is unable to bear external mechanical forces.
OPLC-YJY	OPLC-YJLY	Copper (aluminum) conductor crosslinked polyethylene insulated, PE sheathed optical fiber composite cable	
OPLC-YJV22	OPLC-YJLV22	Copper (aluminum) conductor crosslinked polyethylene insulated steel tape armored, PVC sheathed optical fiber composite cable	Laying in the soil. Cable is able to bear external mechanical forces, but unable to bear large pulling force.
OPLC-YJV23	OPLC-YJLV23	Copper (aluminum) conductor crosslinked polyethylene insulated steel tape armored, PE sheathed optical fiber composite cable	
OPLC-VV	OPLC-VLV	Copper (aluminum) conductor, PVC insulated PVC sheathed optical fiber composite cable	For laying indoors, in tunnel and fixed on the bracket pipes and buried in the soil. Cable is unable to bear external mechanical forces.
OPLC-VY	OPLC-VLY	Copper (aluminum) conductor, PVC insulated, PE sheathed optical fiber composite cable	
OPLC-VV22	OPLC-VLV22	Copper (aluminum) conductor, PVC insulated, steel tape armoured PVC sheathed optical fiber composite cable	Laying in the soil. Cable can bear Subjected to external mechanical forces, but can't Bear large pulling force.
OPLC-VY23	OPLC-VLY23	Copper (aluminum) conductor, PVC insulated, steel tape armoured polyethylene sheath of optical fiber composite cable	

产品规格 Product specification

型号 Type		芯数 number of cores	生产范围（标称截面）mm ² Production range(Nominal cross section)mm ²
铜芯 Copper core	铝芯 Aluminum core		
OPLC-YJV	OPLC-YJLV	2 芯、3 芯、4 芯、5 芯	2.5 ~ 630
OPLC-YJY	OPLC-YJLY		
OPLC-VV	OPLC-VLV		
OPLC-VY	OPLC-VLY		
OPLC-YJV22	OPLC-YJLV22		
OPLC-VV22	OPLC-VLV22		

光单元说明

Optical Unit Description

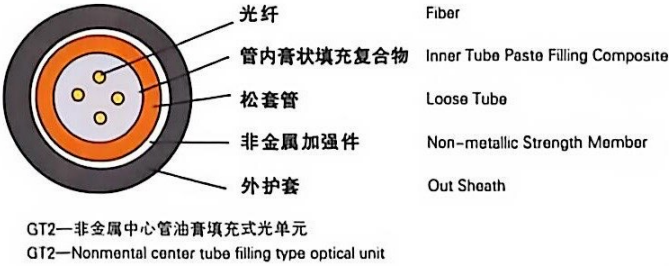
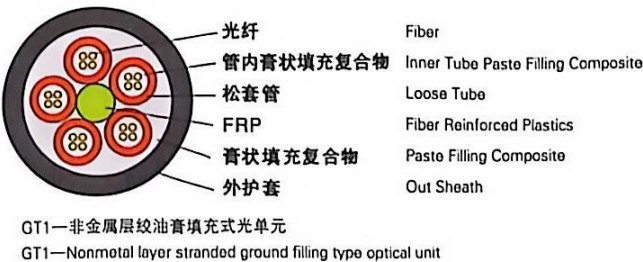
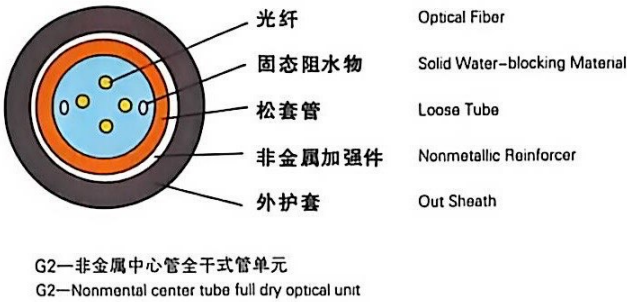
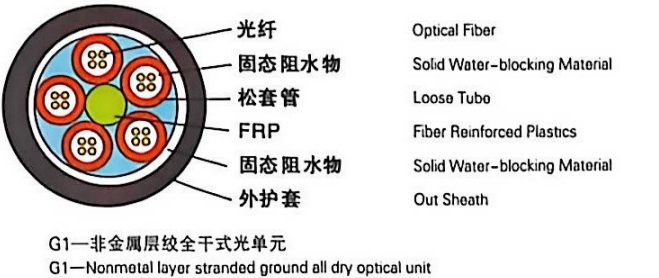
概述 Summary

光单元中光纤芯数应为 1、2、4、6、8、12、16、18、20、24、30、36、48、60、72、84、96、120、132 或 144 芯，也可以是用户要求的其他芯数。
光单元应采用光纤及非金属保护材料制成，光单元结构图参见下表
Core NO. of optical fiber in optical unit should be 1, 2, 4, 6, 8, 12, 16, 18, 20, 24, 30, 36, 48, 60, 72, 84, 96, 120, 132 or 144, or meet customers requirements.
Optical unit should use fiber optic and non-metallic materials, unit structure light see the table below:



结构特征代号 Structural feature code	代号名称 Code name	适用环境 Applicable environment	结构特征代号 Structural feature code	代号名称 Code name	适用环境 Applicable environment
G1	非金属层绞全干式光单元 Nonmetal layer stranded ground all dry optical unit	室内或室外 Indoor or outdoor	G2	非金属中心管全干式光单元 Nonmental center tube full dry optical unit	室内或室外 Indoor or outdoor
GT1	非金属层绞填充式光单元 Nonmetal layer stranded ground filling type optical unit	室内或室外 Indoor or outdoor	GT2	非金属中心管填充式光单元 Nonmental center tube filling type optical unit	室内或室外 Indoor or outdoor
G3	蝶形光单元 Butterfly optical unit	室内或室外 Indoor or outdoor			

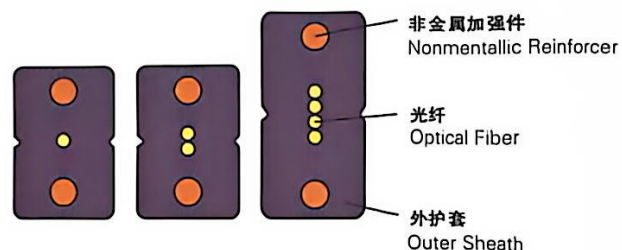
光单元典型结构示意图 Typical structure schematic optical unit



光纤 Optical Fiber

缆中光纤由同类单模光纤组成。光纤性能应符合 GB/T9771 中相关规定。光纤涂覆层表面应有全色色标，其颜色应符合 GB/T 6995.2 规定，并且不褪色不迁移。

Optical fiber in cable is made up of same kind of single-mode fiber. Optical fiber performance should comply with the relevant provisions in GB/T9771. Optical fiber coating layer surface should have full colored, the color should comply with the regulations of GB/T 6995.2 without color fading and transfer.



产品表示示例 Product sample

示例 A 包含 24 芯 B1 类光纤非金属层绞全干式光单元的铜芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套光纤复合低压电缆，额定电压为 0.6/1kV，3 芯，标称截面积 50mm²，表示为 OPLC-VV22-0.6/1 3×50+G2-24B1

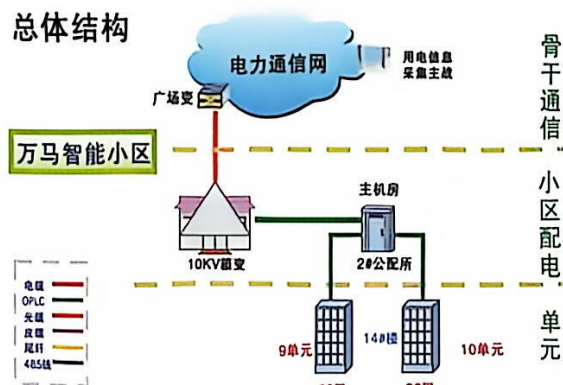
示例 B：包含 12 芯 B1 类光纤非金属中心管填充式光单元的铜芯交联聚乙烯绝缘聚氯乙烯护套光纤复合低压电缆，额定电压为 0.6/1kV，4 芯，标称截面积 16mm²，表示为 OPLC-YJV-0.6/1 4×16+GT2-12B1

Example A: 24 cores, B1 optical fiber, nonmetal stranding all dry optical unit core PVC insulated steel tape armored PVC sheath optical fiber composite low voltage cables, rated voltage 0.6/1 kV, 3 core, nominal cross-sectional area was 50mm², said as OPLC-VV22-0.6/1 3×50+G2-24B1

Sample B: 12 cores, B1 optical fiber, nonmetal pipe filling optical unit, copper core, PE insulated PVC sheath optical fiber composite low voltage cables 0.6/1 kV, 4 core, nominal cross-sectional area is 16, said as OPLC-YJV-0.6/1 4×16+GT2-12B1



总体结构：Overall Structure
电力通信网：Electric Power Telecommunication Net
万马智能小区：Wanma Intelligent Community
骨干通道：Main Channel
小区配电：Community Power Distribute
单元：Unit



硅橡胶绝缘电力电缆

Silicon Rubber Insulated Power Cable

生产标准:

本产品执行 Q/ZWD 026-2007

Implemented Standard

Q/ZWD 026-2007

使用特性:

- 1、交流额定电压 U_0/U : 0.6/1kV;
- 2、最高工作温度: 180℃;
- 3、最低环境温度: 固定敷设 -60℃,
- 4、电缆安装敷设温度应不低于 -25℃,
- 5、电缆允许弯曲半径: 不小于电缆外径的 10 倍

Application Characteristics

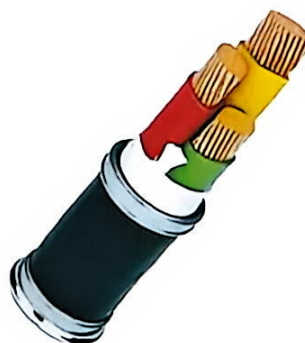
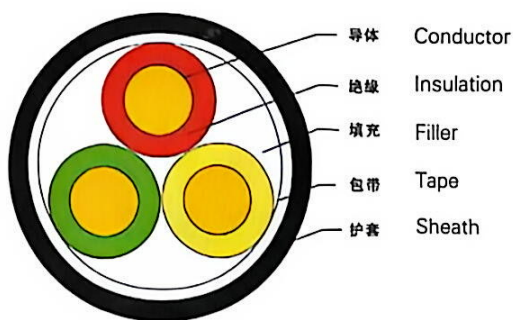
- 1、Rated Voltage(AC) U_0/U : 0.6/1kV;
- 2、Max.working temperature: 180℃;
- 3、Min.environment temperature: not below -60℃
- 4、Cable laying temperature: not below -25℃;
- 5、Allowed bending radius: ≥ 10 times the size of core outer diameter

产品特点及用途

本产品适用于交流额定电压 0.6/1kV 及以下作固定敷设用动力输线或移动电器用连接电缆, 产品具有耐热辐射、耐寒、耐酸碱及腐蚀性气体、防水等特性, 电缆结构柔软, 敷设方便, 高温 (高寒) 环境下电气性能稳定, 抗老化性能突出, 使用寿命长, 广泛用于冶金、电力、石化、电子、汽车制造等行业。

Product characteristics

This product used for ac rated voltage up to and including 0.6/1 kV for fixed installation power transmission line or portable appliances connecting cables with the features of thermal radiation & cold resistant, resistant to acid and alkali and corrosive gas, waterproof. The cable has a flexible structure and can be conveniently installed. Its electrical performance is stable in high (cold) temperature. Anti-aging Performance is outstanding and lifespan is long. Widely used in inatallurgy, electric power, petrochemical, electronics, automobile manufacturing and other industries.



变频器专用电缆

Transducer Special Cable

生产标准:

本产品执行 Q/ZWD 028-2007

Implemented Standard

Q/ZWD 028-2007

使用特性:

电缆导体最高工作温度:

- 1、硅橡胶绝缘 180℃;
- 2、氟聚合物绝缘 200℃和 260℃两种;
- 3、聚氯乙烯绝缘 70℃;
- 4、交联聚乙烯绝缘 90℃。

Application Characteristics

Max. operating temperature for conductor:

- 1、Silicon rubber insulation 180℃;
- 2、Fluoropolymer insulation 200℃/260℃;
- 3、PVC insulation 70℃;
- 4、XLPE insulation 90℃

产品特点及用途:

变频器专用电缆 (简称变频电缆) 是变频器与配套电动元件组成的传动系统中必不可少的重要组件。

在现代工业的各个领域, 例如钢铁、石油化工、电站建设、轻工、纺织等调整控制系统及各种自动化生产流水线上得到了越来越广泛的应用。

Product characteristics

Transducer special cable (herein after referred to as transducer cable) is the necessary components in the transmission system of transducer and matched electric elements.

In the various fields of modern industry, such as steel, petrochemical, power plant construction, light industry, textile and other adjustable control system and a variety of automated production assembly line the cable has been more and more widely used.



控制电缆

Control Cable

(一) 聚氯乙烯、聚乙烯或交联聚乙烯绝缘控制电缆

生产标准：本产品执行GB/T9330-2009

使用范围：

本产品适用敷设在室内、电缆沟、管道、直埋等固定场合，高层建筑、医院、地铁（轻轨）、发电厂、石油、化工等部门。

使用特性： 弯曲半径

- a、无铠装层的电缆应不小于电缆外径的6倍；
- b、有铠装层或铜带屏蔽结构的电缆，应不小于电缆外径的12倍；
- c、有屏蔽结构的软电缆，应不小于电缆外径的6倍。

(1) PVC PE Or XLPE Insulated Control Cable

Applicable Standards:

This product is made to GB/T9330-2009

Application:

This product is suitable for laying in indoors, cable trenches, tunnels ducts, tall buildings, hospitals, power station, petrochemical industrial departments, or directly buried in ground, underground railways (light rail).

Characteristics: Bending Radius

- a、Bending radius of cables without armour should be no less than 6 times the size of cable outer diameter;
- b、Bending radius of cables with armour or copper screen should be no less than 12 times the size of cable outer diameter;
- c、Bending radius of flexible cables with screen should be no less than 6 times.

(二) 氟聚合物绝缘耐高温控制电缆

生产标准：本产品执行TICW/03-2009

使用特性：

- 1、交流额定电压 U_0/U ：450/750V；
- 2、最高工作温度：聚全氟乙丙烯（F46）绝缘不超过200℃；可溶性聚四氟乙烯（PFA）绝缘不超过260℃；
- 3、最低环境温度：聚氯乙烯护套：固定敷设-40℃，非固定敷设-15℃；氟聚合物及硅橡胶护套：固定敷设-60℃，非固定敷设-20℃；
- 4、电缆安装敷设温度应不低于-25℃；
- 5、电缆允许弯曲半径：非铠装电缆最小为电缆外径的6倍；铜带屏蔽或铜带铠装电缆最小为电缆外径的12倍。

产品特点及用途：

本产品适用于交流额定电压450/750V及以下电气仪表的连接线和自动控制系统的传输线，具有耐油、防水、耐磨、耐酸碱及腐蚀性气体、耐老化、不燃烧等优异性能，适合冶金、电力、石化等行业。



(2) Fluoropolymer Insulated Heat-Resistant Control Cable

Implemented Standard: Q/ZWD 029-2007

Application Characteristics:

- 1、Rated AC Voltage U_0/U : 450/750V
- 2、Max. working temperature: $\leq 200^{\circ}\text{C}$ for T46 insulation; $\leq 260^{\circ}\text{C}$ for PFA insulation;
- 3、Min. environment temperature: PVC sheath: -40°C (fixed laying), -20°C (non-fixed laying); Fluoropolymer or silicon rubber sheath: -60°C (fixed laying) , -20°C (non-fixed laying)
- 4、Laying temperature of the cable should be $\geq -25^{\circ}\text{C}$;
- 5、Allowed bending radius: ≥ 8 times the outer diameter of the unarmored;
 ≥ 12 times the outer diameter of the copper-tape shielded or steel tape armored cable.
 ≥ 8 times the outer diameter of fluoropolymer insulated and sheathed cable.

Product Characteristics:

This product is suitable for connecting wire of electric instrument and transmission line of automatic control for AC rated voltage 450/750V and below, with excellent features of water-proof, non-combustible, resistant to oil, friction, acid-base, corrosive gas, ageing and others. And it is suitable for metallurgy, electric power, petrochemical and many other industries.



电气装备用电线电缆

Cable and Wire for Electrical Apparatus

生产标准:

JB8734.2-1998额定电压450/750V以下聚氯乙烯绝缘电线电缆和软线 固定布线用电线电缆
JB8734.3-1998额定电压450/750V以下聚氯乙烯绝缘电线电缆和软线 连接用软电缆
JB8734.5-1998额定电压450/750V以下聚氯乙烯绝缘电线电缆和软线 屏蔽电线
GB5023.3-1997额定电压450/750V以下聚氯乙烯绝缘电缆 固定布线用无护套电缆
GB5023.4-1997额定电压450/750V以下聚氯乙烯绝缘电缆 固定布线用护套电缆
GB5023.5-1997额定电压450/750V以下聚氯乙烯绝缘电缆 软电缆(软线)
GB5023.7-1997额定电压450/750V以下聚氯乙烯绝缘电缆 2芯或多芯屏蔽和非屏蔽软电缆

使用范围:

固定布线用电线电缆适用于固定布线时要求柔软的场所;连接用软电缆适用于家用电器、仪表及动力照明;屏蔽电线适用于电器仪表和电子设备及自动化装置。

使用特性:

1、固定布线用电线电缆

电缆的额定电压 U_0/U : 450/750V和300/500V

所有型号电缆的长期允许工作温度不超过70℃;

电缆的敷设温度应不低于0℃;

外径(D)小于25mm电缆的允许弯曲半径应不小于4D;

外径(D)为25mm及以上电缆的允许弯曲半径应不小于6D。

2、连接用软电缆

电线的额定电压 U_0/U : 300/300V

电缆的长期允许工作温度不超过70℃,

3、屏蔽电线

电线的额定电压 U_0/U : 300/300V;

RVP-90型电线的长期允许工作温度不超过90℃, 其它型号电线的长期允许工作温度不超过70℃。

Applicable Standards

JB8734.2-1998 PVC Insulated Cable and Cord with Rated Voltage of 450/750V and below Fixed Wiring
JB8734.3-1998 PVC Insulated Cable and Cord with Rated Voltage of 450/750V and below Connecting Flexible Cable
JB8734.5-1998 PVC Insulated Cable and Cord with Rated Voltage of 450/750V and below Screen Wire
GB5023.3-1997 PVC Insulated Cable with Rated Voltage of 450/750V and below Non-sheathed Fixed Wiring
GB5023.4-1997 PVC Insulated Cable with Rated Voltage of 450/750V and below Sheathed Fixed Wiring
GB5023.5-1997 PVC Insulated Cable with Rated Voltage of 450/750V and below Flexible Cable(Cord)
GB5023.7-1997 PVC Insulated Cable with Rated Voltage of 450/750V and below 2 Core or Multicore Screened and Non-Screened Flexible Cable

Application

Fixed wiring is suitable for flexible occasions. Connecting flexible wires are suitable for household appliances, gauges and power lighting. And screening wires are suitable for electric instrument and automatic device.

Characteristics

1、For fixed wiring

Rated Voltage U_0/U : 450/750V and 300/500V;

The Long-term allowable operating temperature shall be no higher than 70°C

The laying temperature shall no less than 0°C.

For outer diameter(D) no more than 25mm, the permissible bending:

Radius shall be no less than 6D, for outer diameter(D) more than 25mm, the permissible bending radius shall be no less than 6D

2、For Connecting Flexible Cable

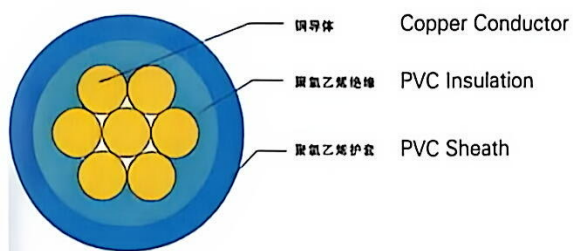
Rated Voltage U_0/U : 300/300V;

The long-term allowable operating temperature shall be no higher than 70°C;

3、For Screening Cable

Rated Voltage U_0/U : 300/300V

For RVP-90 wire, the long-term allowable operating temperature shall be no higher than 90°C. For other type wire, the long-term allowable operating temperature shall be no higher than 70°C;



通用橡套电缆

General Rubber Insulated Cable

(一)额定电压450/750V及以下橡皮绝缘电缆

生产标准:

本产品执行GB 5013-2008、JB8735-1998

产品特点及用途:

本产品适用于额定电压 U_0/U 为450/750V及以下家用电器、电动工具和各种移动式电气设备。

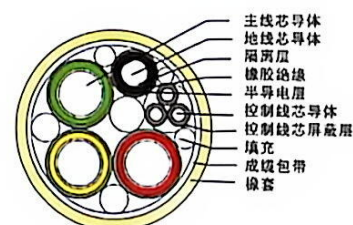
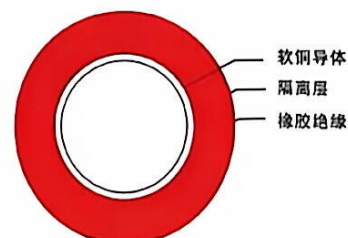
(二)电机组引接电缆和软线

生产标准:

本产品执行JB/T 6213-1992

产品特点及用途:

本产品适用于额定电压500V、1000V、3000V、6000V电机绕组引接电缆和软线。



(1)Rubber Insulated Cable For Rated Voltage up to and including 450/750V

Implemented Standards

GB 5013-2008、JB8735-1998

Features and Applications

The product is suitable for household appliances electric tools and other moving electrical equipments with rated voltage up to and including 450/750V.

(2)Connected Cables and Cords for Motor Windings

Implemented Standards

JB/T 6213-1992

Characteristics and Applications

Applicable to connected cables or cords for motor windings with rated voltage 500V, 1000V, 3000V, 6000V.



船用电缆

Shipboard Cable

(一)船用电力电缆

生产标准:

本产品执行IEC 60092-350, IEC60092, GB9331-88

产品特点及用途:

产品适用于河海各种船舶及海上石油平台等水上建筑的电力、照明和传输电能之用,对冶金、化工、电力等工矿亦同样适用。

(二)船用控制电缆

生产标准:

本产品执行IEC 60092-376, GB9332-88

产品特点及用途:

产品适用于河海各种船舶及海油及石油上平台等各种水上建筑一般控制装置用。

(1)Shipboard Power Cable

Implemented Standards

IEC 60092-350, IEC60092, GB9331-88

Features and Applications

It is applicable for power supply, lighting and power transmission of water works, such as ships, offshore platforms, etc. It is also applicable for metallurgy, chemical power industry and so on.

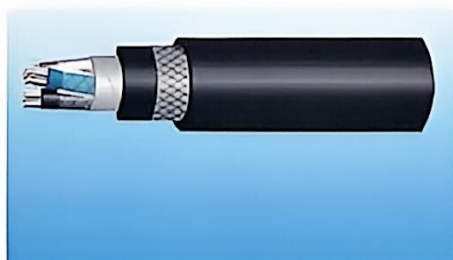
(2)Shipboard Control Cable

Implemented Standards

IEC 60092-376, GB9332-88

Features and Applications

It is applicable as the general control equipment for ships, vessels, offshore platforms, etc.



矿用电缆

Cable for Mining Purpose

(一)1.9/3.3KV及以下煤矿用移动类阻燃采煤机软电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.38/0.66kV；
- 2、电缆导体的长期允许工作温度分别为65℃、65℃、90℃；
- 3、电缆允许弯曲半径不小于电缆外径的6倍；
- 4、黄色护套电缆不得在日光下长期暴露。

(二)额定电压0.66/1.14KV采煤机屏蔽监视加强型软电缆

生产标准：本产品执行MT818-1999

使用特性：

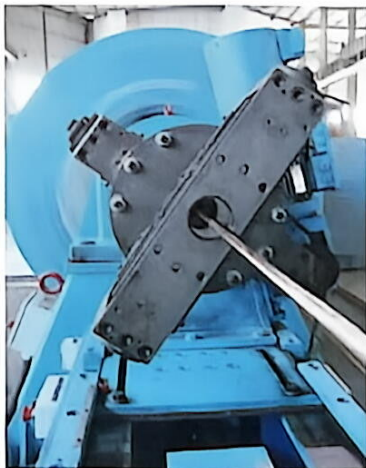
- 1、额定电压 U_0/U ：0.66/1.14kV
- 2、电缆导体的长期允许工作温度90℃，
- 3、电缆允许弯曲半径不小于电缆外径的15倍；
- 4、黄色护套电缆不得在日光下长期暴露。

(三)额定电压1.9/3.3KV以下采煤机金属屏蔽软电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.66/1.14kV 1.9/3.3kV；
- 2、电缆导体的长期允许工作温度为90℃；
- 3、电缆允许弯曲半径不小于电缆外径的6倍；
- 4、黄色护套电缆不得在日光下长期暴露。



(一)Movable Flame-retardant Flexible Cable for Coal Cutler for Rated Voltage up to and Including 1.9 / 3.3kV

Implemented Standard: MT818-1999

Application Features

- 1、Rated Voltage U_0/U is 0.38/0.66kV ;
- 2、Longtime allowable operating temperature for conductor is respectively 65℃、65℃、90℃;
- 3、Min. bending radius is no less than 6 times the size of cable outer diameter;
- 4、Cable with yellow sheath can't be in the sun for a long time.

(二)Enhanced Shield Monitoring Flexible Cable for Coal Cutler for Rated Voltage 0.66/1.14kV

Implemented Standard: MT818-1999

Application Features

- 1、Rated Voltage U_0/U is 0.66/1.14kV;
- 2、Long-term allowable operating temperature for conductor is 90℃;
- 3、Min. bending radius is no less than 15 times the size of cable outer diameter;
- 4、Cable with yellow sheath can't be exposed in the sun for a long time;

(三) Flexible Coalcutter Cables With Metallic Shield For Rated Voltage up to and Including 1.9/3.3kV

Implemented Standard: Q/ZWD 818-1999

Application features

- 1、Rated Voltage U_0/U is 0.66/1.14kV, 1.9/3.3kV;
- 2、Long-term allowable operating temperature for conductor is 90℃;
- 3、Min. bending radius is no less than 6 times the size of cable outer diameter;
- 4、Cable with yellow sheath can't be exposed in the sun for a long time.

(四)额定电压0.66/1.14KV及以下移动像套软电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.38/0.66kV 0.66/1.14kV；
- 2、电缆导体的长期允许工作温度为65℃；
- 3、电缆允许弯曲半径不小于电缆外径的6倍；
- 4、黄色护套电缆不得在日光下长期暴露。

(五)额定电压3.6/6KV屏蔽监视型软电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：3.6/6kV；
- 2、电缆导体的长期允许工作温度为 90℃；
- 3、电缆允许弯曲半径不小于电缆外径的 6 倍；
- 4、黄色护套电缆不得在日光下长期暴露。

(六)额定电压3.6/6KV及以下屏蔽移动类阻燃软电缆

生产标准：本产品执行MT818-1999

使用特性：

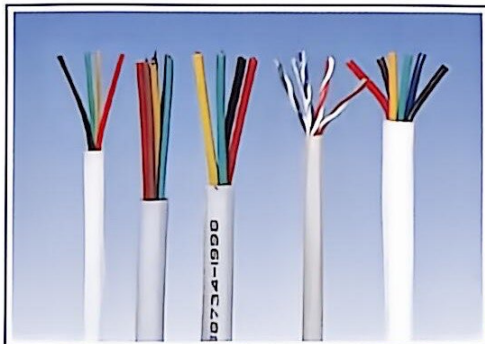
- 1、额定电压： U_0/U ：1.9/3.3kV、3.6/6kV；
- 2、电缆导体的长期允许工作温度为 90℃；
- 3、电缆允许弯曲半径不小于电缆外径的 6 倍；
- 4、黄色护套电缆不得在日光下长期暴露。

(七)额定电压0.3/0.5KV煤矿用电钻电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.3/0.5kV；
- 2、电缆导体的长期允许工作温度为 65℃；
- 3、电缆允许弯曲半径不小于电缆外径的 6 倍；
- 4、黄色护套电缆不得在日光下长期暴露。



(四)Movable Rubber Sheathed Flexible Cable for Rated Voltage up to and Including 0.66/1.14kV

Implemented Standard: MT818-1999

Application Characteristics

- 1、Rated Voltage U_0/U is 0.38/0.66kV 0.66/1.14kV；
- 2、Long-term allowable operating temperature of conductor is 65℃；
- 3、Minimum bending radius of cable is no less than 6 times the size of cable diameter；
- 4、Cable with yellow sheath can't be exposed in the sun for a long time.

(五)Shield Monitoring Flexible Cable for Rated Voltage 3.6/6kV

Implemented Standard: MT818-1999

Application Features

- 1、Rated Voltage U_0/U is 3.6/6kV；
- 2、Long-term allowable operating temperature of conductor is 90℃；
- 3、Minimum bending radius of cable is no less than 6 times the size of cable diameter；
- 4、Cable with yellow sheath can't be expose in the sun for a long time.

(六)Shielding Movable Flame-retardant Flexible Cable for Rated Voltage up to and Including 3.6/6kV

Implemented Standard: MT818-1999

Application Feature

- 1、Rated Voltage U_0/U is 1.9/3.3kV、3.6/6kV；
- 2、Long-term allowable operating temperature of conductor is 90℃；
- 3、Minimum bending radius of cable is no less than 6 times the size of cable diameter；
- 4、Cable with yellow sheath can't be exposed in the sun for a long time.

(七)Cable for Mine Electric Drill for Rated Voltage 0.3/0.5kV

Implemented Standard: MT818-1999

Application Features

- 1、Rated Voltage U_0/U is 0.3/0.5kV；
- 2、Long-term allowable operating temperature of conductor is 65℃；
- 3、Minimum bending radius of cable is no less than 6 times the size of cable diameter；
- 4、Cable with yellow sheath can't be exposed in the sun for a long time.

(八)煤矿用移动轻型软电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.3/0.5kV；
- 2、电缆导体的长期允许工作温度为 65℃；
- 3、电缆允许弯曲半径不小于电缆外径的 6 倍；
- 4、黄色护套电缆不得在日光下长期暴露。

(九)煤矿用聚乙烯电力电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.6/1kV、1.8/3kV、3/3.6kV、6/6kV、6/10kV；
- 2、电缆导体的长期允许工作温度为 70℃；
- 3、电缆允许弯曲半径不小于电缆外径的 12 倍。

(十)煤矿用交联聚乙烯电力电缆

生产标准：本产品执行MT818-1999

使用特性：

- 1、额定电压 U_0/U ：0.6/1kV、1.8/3kV、3/3.6kV、6/6kV、6/10kV、8.7/10kV；
- 2、电缆导体的长期允许工作温度为 90℃；
- 3、电缆允许弯曲半径不小于电缆外径的 12 倍。

(8)Movable Light-duty Flexible Cable For Mining

Implemented Standard: MT818-1999

Application Features

- 1、Rated Voltage U_0/U is 0.3/0.5kV；
- 2、Long-term allowable operating temperature of conductor is 65℃；
- 3、Minimum bending radius of cable is no less than 6 times the size of cable diameter；
- 4、Cable with yellow sheath can't be exposed in the sun for a long time.

(9)PVC Insulated Power Cables For Mining

Implemented Standard: MT818-1999

Application Features

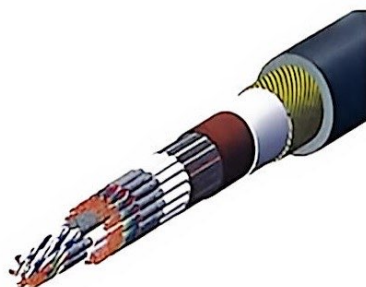
- 1、Rated Voltage U_0/U is 0.6/1kV 1.8/3kV 3/3.6kV；
- 2、Long-term operating temperature of conductor is 70℃；
- 3、Minimum bending radius of cable is no less than 12 times the size of cable diameter.

(10)XLPE Insulated Power Cables For Mining Purposes

Implemented Standard: MT818-1999

Application Features

- 1、Rated Voltage U_0/U is 0.6/1 kV、1.8/3kV、3/3.6kV、6/6kV、6/10kV、8.7/10kV；
- 2、Long-term allowable operating temperature of conductor is 90℃；
- 3、Minimum bending radius of cable is no less than 12 times the size of cable diameter.



计算机电缆

Computer Cable

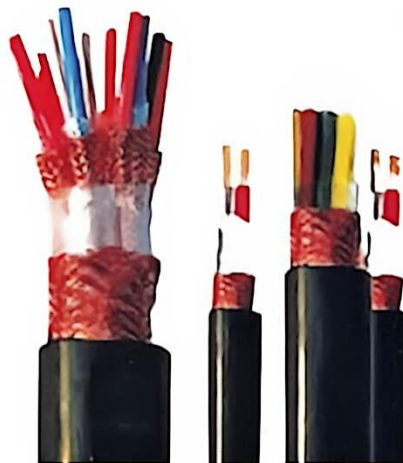
生产标准：本产品执行Q/ZWD 006-2007

使用范围：

本产品适用于额定电压 450/750V 及以下或直流 1000V 及以下的配电装置中，作为电器仪表、计算机的连接线。

使用特性：

- 1、电缆线芯工作温度不高于 70℃，在使用过程中电缆应防止高温直接辐射或接触；
- 2、交联计算机电缆、交联聚乙烯绝缘线芯允许长期工作温度为 90℃；
- 3、电缆敷设时温度应不低于 0℃；
- 4、推荐允许弯曲半径：
无铠装层电缆应不小于电缆外径的 6 倍；
有铠装层或屏蔽层结构电缆应不小于电缆外径的 12 倍；
有屏蔽结构的软电缆应不小于电缆外径的 6 倍。



Applicable Standard: The product is made to Q/ZWD 006-2007

Application

The product is suitable for distributing equipment with Rated Voltage of 450/750V and below or DC 1000V and below as connecting wire of electrical apparatus and computer.

Characteristics

- 1、The operating temperature of conductor shall be no more than 70℃;High temperature radiation or contact directly should be prevented while using;
- 2、The long-term allowable operating temperature for XLPE insulated conductor and cross-linked computer cable is 90℃;
- 3、The laying temperature of cable shall be no less than 0℃;
- 4、Recommended permissible bending radius:
Cable unarmored: no less than 6 times the size of cable outer diameter;
Cable with armoring layer or shield: no less than 12 times the size of cable outer diameter;
Flexible cable with shield: no less than 6 times the size of cable outer diameter.



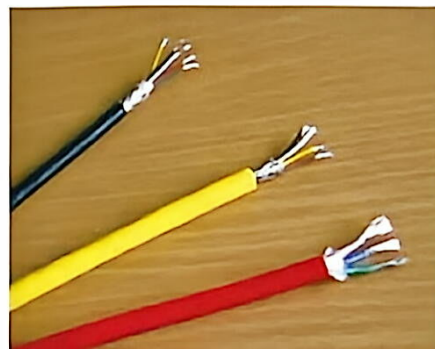
氟聚合物绝缘补偿电缆

Fluoropolymer Insulated Extension Cable

生产标准： 本产品执行GB/T 4989

使用特性：

- 1、使用温度：耐热级：180℃，普通级：70℃和105℃；
- 2、最低环境温度：
氟聚合物绝缘阻燃聚氯乙烯护套
固定敷设 -40℃，非固定敷设 -15℃；
氟聚合物绝缘硅橡胶护套
固定敷设 -60℃，非固定敷设 -20℃；
- 3、电缆安装敷设温度：氟聚合物绝缘阻燃聚氯乙烯护套不低于0℃，
氟聚合物绝缘硅橡胶护套不低于-60℃；
- 4、允许弯曲半径：铜带屏蔽电缆不低于电缆外径的12倍，其余电缆不低于电缆外径的6倍。



产品特点及用途：

热电偶用补偿导线，电缆的作用是用来延伸热电偶的冷端，与测温仪连接构成测温系统，产品采用氟聚合物绝缘，具有优良的防潮、耐磨、阻燃性能。

Implemented Standard: GB/T 4989(IEC 584-3)

Application Characteristics

- 1、The operation temperature: Heat-resistant grade: 180℃ General grade: 70℃ or 105℃;
- 2、The lowest environment temperature:
Fluoropolymer insulated flame-retardant PVC sheath;
Fixed laying: -40℃, Non-Fixed laying: -15℃;
Fluoropolymer insulated silicone rubber sheath;
Fixed laying: -60℃, Non-fixed laying: -20℃.
- 3、Laying temperature of the cable: Fluoropolymer in insulated flame-retardant PVC sheath: $\geq 0^{\circ}\text{C}$,
Fluoroplastic insulated silicon rubber sheath: $\geq -60^{\circ}\text{C}$;
- 4、Allowable bending radius: no less than 12 times the size of cable outer diameter for copper tape wrapped cable and 6 times for other cables.

Product Characteristic and Application

The product is used to extend the cold port and connect with thermodetector forming the temperature measurement system.

The product adopts fluorine polymer insulation, which has excellent performance in moistureproof, wear-resisting and flame retardant.

丁腈绝缘电力软电缆

NBR Insulated Flexible Power Cable

生产标准： 本产品执行Q/ZWD 027-2007

使用特性：

- 1、交流额定电压 U_0/U : 0.6/1kV;
- 2、最高工作温度：105℃；
- 3、最低环境温度：固定敷设 -40℃；
- 4、电缆安装敷设温度应不低于-25℃；
- 5、电缆允许弯曲半径：最小为电缆外径的12倍。

Implemented Standard: Q/ZWD 027-2007

Application Characteristics

- 1、Rated Voltage U_0/U : 0.6/1 kV
- 2、Maximum working temperature: 105℃
- 3、Minimum environment temperature: -40℃(fixed laying)
- 4、Laying temperature: $\geq -25^{\circ}\text{C}$
- 5、Allowable bending radius: ≥ 12 times the size of cable outer diameter.

产品特点及用途：

本产品具有耐寒、柔软、耐磨、防油等特性，适用于交流额定电压0.6/1kV及以下具有耐寒、防油等特殊要求的移动电器用连接电缆，目前本产品广泛应用于冶金、电力、船舶、汽车制造等行业。

Product Characteristics:

This product is cold-resistant, flexible, wear-resistant, oil-proof, etc. It is suitable for movable appliances connecting cable with special requirements for AC rated voltage up to and including 0.6/1kV. And this product currently widely applied in metallurgy electric power, ships, motor manufacturing and other industries.



风能电缆

Wind Cable

定义：
风能电缆：本品适用于风力发电设备中叶轮机及固定安装塔内或其他类似场合的 1.8/3KV 及以下风力发电用耐扭曲软电缆。

- 使用特性：**
- 1、电缆额定电压 U_0/U 分别为：450/750V、0.6/1 kV、1.8/3kV。
 - 2、正常运行时，导体最高温度（ 电缆额定工作温度 ）分别为：电压等级 450/750V 电缆：70℃；电压等级 0.6/1KV、1.8/3kV 电缆：90℃。
 - 3、电缆的最小弯曲半径为电缆直径的 6 倍。
 - 4、电缆适应的最低环境温度，普通型：-25℃；耐寒型 -40℃；耐严寒型：-55℃

Definition
Wind cable: Wind-resistant flexible for wind power generation with rated voltage up to and including 1.8/3kV, which is suitable for turbine in wind power generation equipment, fixed installation tower or any other similar occasions.

- Features**
- 1. Cable rated voltage U_0/U , respectively: 450/750V, 0.6/1 kV, 1.8/3kV.
 - 2. Maximum conductor temperature (cable rated operating temperature) under normal operating condition, respectively: 450/750V: 70℃; 0.6/1kV, 1.8/3kV: 90℃.
 - 3. Minimum bending radius: 6 times the size of cable diameter .
 - 4. Min. ambient temperature for cable: ordinary: -25℃; cold resistant: -40℃; resistant to low temperature: -55℃

				报告编号 Reference No. CT19-0012-1
检 验 Test	检 验 Test	检 验 Test	检 验 Test	检 验 报 告 Test Report
样品名称 铜芯乙内附 Name of sample	样品名称 铜芯乙内附 Name of sample	样品名称 铜芯乙内附 Name of sample	样品名称 铜芯乙内附 Name of sample	样品名称 铜芯乙内附在绝缘聚酰胺护套内附风力发电用耐扭曲 Name of sample 耐扭曲电缆
样品型号 Type of sample	样品型号 Type of sample	样品型号 Type of sample	样品型号 Type of sample	样品型号 Type of sample PTM21-05
委托方 Commissioner	委托方 Commissioner	委托方 Commissioner	委托方 Commissioner	委托方 Commissioner 浙江江山风电股份有限公司
检验类别 Kind of test	检验类别 Kind of test	检验类别 Kind of test	检验类别 Kind of test	检验类别 Kind of test 委托检验
国家电线电缆 CHINA NATION SUPERVISION AND TEST	国家电线电缆 CHINA NATION SUPERVISION AND TEST	国家电线电缆 CHINA NATION SUPERVISION AND TEST	国家电线电缆 CHINA NATION SUPERVISION AND TEST	国家电线电缆质量监督检验中心 CHINA NATIONAL CENTRE FOR QUALITY SUPERVISION AND TEST OF ELECTRIC WIRE AND CABLE

风能电缆的代号 Wind Cable Code

风力发电用电缆系列代号 Wind power cable series code	FD
阻燃C类 Class C flame retardant	ZC
无卤低烟 LSOH	WD
铜导体 Copper conductor	(T)省略
乙丙橡胶绝缘或其他相当的合成弹性体绝缘 Ethylene propylene rubber insulation or other equivalent synthetic elastomer insulation	E
硅橡胶或其相当混合物绝缘 Silicone rubber or other equivalent mixture insulation	G
热塑型合成弹性体绝缘(TPE) Thermoplastic polyurethane elastomer insulation(TPE)	HS
硅橡胶或其相当混合物护套 Silicone rubber or other equivalent mixture sheath	G
聚氨酯弹性体护套(TPU) Polyurethane elastomer sheath (TPU)	U
氯磺化聚乙烯橡胶或其他相当的合成弹性体护套 Chlorosulfonated polyethylene rubber or other equivalent synthetic elastomer sheath	H
氯丁橡胶或其他相当的合成弹性体护套 Polychloroprene or other equivalent synthetic elastomer sheath	F
热塑性弹性体护套 Thermoplastic elastomer sheath	S
适应的最低环境温度：-55℃(耐严寒型) Adaptable min. ambient temperature: -55℃ (resistant to low temperature)	-55
适应的最低环境温度：-40℃(耐寒型) Adaptable min. ambient temperature: -40℃ (cold-resistant)	-40
适应的最低环境温度：-25℃ Adaptable min. ambient temperature: -25℃	-25

风能电缆的型号 Wind Cable Type

型号	额定电压	名称
FDEF-25(-40)	450/750V	铜芯乙丙橡皮绝缘氯丁橡皮护套风力发电用耐寒耐扭曲软电缆
FD-HSF-25(-40)	450/750V	铜芯热塑型弹性体绝缘氯丁橡皮护套风力发电用耐寒耐扭曲软电缆
FD-HSS-25(-40)	450/750V	铜芯热塑型弹性体绝缘热塑料弹性体护套风力发电用耐寒耐扭曲软电缆
FDES-25(-40)	450/750V	铜芯乙丙橡皮绝缘热塑料弹性体护套风力发电用耐寒耐扭曲软电缆
FDGG-40(-55)	0.6/1kV 1.8/3kV	铜芯硅橡胶绝缘硅橡胶护套风力发电用耐寒(耐严寒)耐扭曲软电缆
FDEU-40(-55)	0.6/1kV 1.8/3kV	铜芯乙丙橡皮绝缘聚氨酯弹性体护套风力发电用耐寒(耐严寒)耐扭曲软电缆
FDGU-40(-55)	0.6/1kV 1.8/3kV	铜芯硅橡胶绝缘聚氨酯弹性体护套风力发电用耐寒(耐严寒)耐扭曲软电缆
FDEG-40(-55)	0.6/1kV 1.8/3kV	铜芯乙丙橡皮绝缘硅橡胶护套风力发电用耐寒(耐严寒)耐扭曲软电缆
FD-HSU-40(-55)	0.6/1kV 1.8/3kV	铜芯热塑型弹性体绝缘聚氨酯弹性体护套风力发电用耐寒(耐严寒)耐扭曲软电缆
FD-HSG-40(-55)	0.6/1kV 1.8/3kV	铜芯热塑型弹性体绝缘硅橡胶护套风力发电用耐寒(耐严寒)耐扭曲软电缆
FDEH-25(-40)	0.6/1kV 1.8/3kV	铜芯乙丙橡皮绝缘氯磺化聚乙烯橡皮护套风力发电用耐寒耐扭曲软电缆
FD-HSH-25(-40)	0.6/1kV 1.8/3kV	铜芯热塑型弹性体绝缘氯磺化聚乙烯橡皮护套风力发电用耐寒耐扭曲软电缆
FDES-25(-40)	0.6/1kV 1.8/3kV	铜芯乙丙橡皮绝缘热塑弹性体护套风力发电用耐寒耐扭曲软电缆

Model	Voltage	Name
FDEF-25(-40)	450/750V	Copper conductor ethylene propylene rubber insulated polychloroprene sheathed cold and twist resistant flexible cable for wind power generation.
FD-HSF-25(-40)	450/750V	Copper conductor thermoplastic elastomer insulated polychloroprene sheathed cold and twist resistant flexible cable for wind power generation.
FD-HSS-25(-40)	450/750V	Copper conductor thermoplastic elastomer insulated and sheathed cold and twist resistant flexible cable for wind power generation.
FDES-25(-40)	450/750V	Copper conductor ethylene propylene rubber insulated thermoplastic elastomer sheathed cold and twist resistant flexible cable for wind power generation.
FDGG-40(-55)	0.6/1kV 1.8/3kV	Copper conductor silicone rubber insulated and sheathed cold (low temperature) and twist resistant flexible cable for wind power generation.
FDEU-40(-55)	0.6/1kV 1.8/3kV	Copper conductor ethylene propylene rubber insulated polychloroprene elastomer sheathed cold (low temperature) and twist resistant flexible cable for wind power generation.
FDGU-40(-55)	0.6/1kV 1.8/3kV	Copper conductor silicone rubber insulated polychloroprene elastomer sheathed cold (low temperature) and twist resistant flexible cable for wind power generation.
FDEG-40(-55)	0.6/1kV 1.8/3kV	Copper conductor ethylene propylene rubber insulated silicone rubber sheathed cold (low temperature) and twist resistant flexible cable for wind power generation.
FD-HSU-40(-55)	0.6/1kV 1.8/3kV	Copper conductor thermoplastic elastomer insulated polyurethane elastomer sheathed cold (low temperature) and twist resistant flexible cable for wind power generation.
FD-HSG-40(-55)	0.6/1kV 1.8/3kV	Copper conductor thermoplastic elastomer insulated silicone rubber sheathed cold (low temperature) and twist resistant flexible cable for wind power generation.
FDEH-25(-40)	0.6/1kV 1.8/3kV	Copper conductor ethylene propylene rubber insulated chlorosulfonated polyethylene rubber sheathed cold and twist resistant flexible cable for wind power generation.
FD-HSH-25(-40)	0.6/1kV 1.8/3kV	Copper conductor thermoplastic elastomer insulated chlorosulfonated polyethylene rubber sheathed cold and twist resistant flexible cable for wind power generation.
FDES-25(-40)	0.6/1kV 1.8/3kV	Copper conductor ethylene propylene rubber insulated thermoplastic elastomer sheathed cold and twist resistant flexible cable for wind power generation.

风能电缆的规格 Wind Cable Specifications

型号	电压等级	芯数	导体标称 截面积/mm ²
FDEF	450/750V 0.6/1kV	1	1---400
FDES		2	1---25
FDHSS		3	1---300
FDGG		3+1	4---185
FDEG		4	1---300
FDHSU		5	1---25
FDEH		6-37	1.5---4
FDHSH		1	10---400
FDHSG	1.8/31kV	3	10---240
FDGU			
FDHSF			
FDEU			

Model	Voltage level	Core Number	Conductor nominal Cross-sectional area /mm ²
FDEF	450/750V 0.6/1kV	1	1---400
FDES		2	1---25
FDHSS		3	1---300
FDGG		3+1	4---185
FDEG		4	1---300
FDHSU		5	1---25
FDEH		6-37	1.5---4
FDHSH	1.8/31kV	1	10---400
FDHSG		3	10---240
FDGU			
FDHSF			
FDEU			





新型防火电缆 Novel Fireproof Cable

主要适用于大城市的高层建筑、娱乐场所、医院、图书馆、车站、地铁站等人口密集的建筑和消防系统、安全应急通道、高温场所等对质量和安全要求高的场所。在发生火灾的情况下，可以在一定的时间内保障电力和通讯的通畅，最大限度地赢得宝贵的抢救时间，减少人员的伤亡和生命财产损失。

1、易燃、易爆的重要场合及电厂、核电站的重要设备

涉及石油化工工业、炼油厂、医药工业、酒精蒸馏系统、核电站、海上石油平台。

2、环境温度较高的场所

涉及冶金工业、钢铁工业、焦炭工业、发电厂、造船工业、其他高温场合的输配电线路。

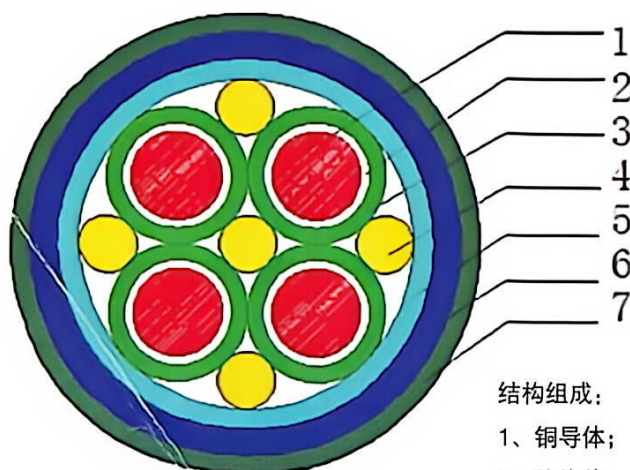
3、重要建筑或人员密集的建筑物中设备及照明的系统供电

涉及公共娱乐场所、国家纪念馆和历史性建筑物、高层建筑、银行、邮电大厦、高级的宾馆和饭店、图书馆、博物馆、医院、学校、机关、机场、车站、港口、百货商场、重要仓库。

4、地下供电线路

涉及城市地铁、隧道、地下广场、地下仓库。

电缆结构图



结构组成：

- 1、铜导体；
- 2、绝缘体；
- 3、防火带；
- 4、阻燃填充物；
- 5、防火耐火复合带；
- 6、金属皱纹护套；
- 7、无卤低烟阻燃聚烯烃护套



Application scenarios



Solar PV Systems

Global Fortune provides high-performance DC and AC cable solutions optimized for utility-scale solar farms and residential PV systems. Our cables are TUV/UL certified, featuring excellent UV, ozone, and weather resistance for durable performance in harsh outdoor environments.

EV Charging Infrastructure

High-reliability cables for fast-charging stations and home EV chargers, ensuring safe and efficient energy transfer.



Energy Storage (BESS)

Specialized cables designed for high-current energy storage systems, providing safety and longevity in battery environments.

Industrial Power

Heavy-duty power cables for factories, construction, and mining operations, built to withstand harsh environments.



Our Strengths

- Partnership with certified factories, verifiable certificates
- Flexible stock & custom supply
- Full range for PV, EV charging, industrial & energy storage



Frequently Asked Questions

1. Are you a factory or a distributor?

We are a cable distributor. We maintain long-term partnerships with certified factories, offering procurement, stock supply and custom services.

2. What is your MOQ?

There is no strict MOQ for in-stock items. For custom production, please contact us to confirm the minimum order quantity.

3. How can I verify your certifications?

We provide genuine certificate numbers. You may check and verify directly on the official website of the corresponding issuing authority.

4. What payment terms do you accept?

We accept T/T (Telegraphic Transfer) and L/C (Letter of Credit), following the prepayment + balance payment arrangement.

全球销售网络及售后服务通讯方式

Global sales Network and After-sales Service Contact



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