



# CABLE PRODUCTS

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# PRODUCT BROCHURES

Provide high-quality and  
high-safety standard cable products.



Crossing Cable Group Co., Ltd.

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# COMPANY PROFILE

**Converging cutting-edge technology, on par with international quality.**

—Crossing Cable Group Co., Ltd.

Crossing Cable Group Co., Ltd. was founded in 2000, located in the hometown of Wei Zheng, the famous minister of the Tang Dynasty – Jinzhou City. The company covers an area of 68,000 square meters, with a building area of 32,000 square meters. It has a registered capital of 360 million yuan and owns domestically advanced cable production lines and comprehensive quality testing methods. The company is a large-scale enterprise specializing in multi-variety batch production.



**24** years  
Manufacturing experience

**91** years  
Manufacturing experience

**31** years  
Manufacturing experience

SINCE **2000**



Business

The company's sales network spans across the entire country, and its main products include: high and low voltage power cables, overhead cables, aluminum alloy cables, photovoltaic cables, control cables, fire-resistant cables, pre-branch cables, electrical wires, and flame-retardant, fire-resistant, cold-resistant, high-temperature resistant, low-smoke halogen-free series. Comprehensive quality management is implemented in all stages of production and sales. The company has online monitoring capabilities during the production process, allowing related enterprises to clearly see the production process and data parameters, giving customers a more detailed understanding of our products.



Corporate Mission

To provide high-quality, high-safety standard cable products to meet the energy and data transmission needs of various fields.



Corporate Vision

To become a global leader in the cable industry, gaining customers' trust through innovation, quality, and service.



Service Philosophy

Product quality is in my hands, customer satisfaction is in my heart.



Business Philosophy

Professionalism, Integrity, Detail, Efficiency.



Core Values

Innovation leads, Quality first, Unity and progress, Pragmatic and efficient.



# DEVELOPMENT HISTORY

## 24 YEARS

Manufacturing experience



### • 2000

The earliest one was Shijiazhuang Jinhuan Cable Co., Ltd.



### • 2005

Shijiazhuang Shenlan Cable Manufacturing Co., Ltd. was established on April 16, 2005 with a registered capital of RMB 6 million. It mainly produces mining cables and rubber-sheathed cables. The company covers an area of 35 acres.

### • 2008

In October 2008, Crossing Cable Group Co., Ltd. was established, holding five subsidiaries: Jinzhou Zhihua Cable Co., Ltd., Jinzhou Xingwang Cable Co., Ltd., Jinzhou Bafang Wire Co., Ltd., Jinzhou Feiyue Cable Accessories Co., Ltd., and Jinzhou Haoshi Cable Equipment Co., Ltd.

### • 2008

In September 2008, after the new factory was completed and the technical transformation was completed, the registered capital increased to 100 million yuan.

### • 2007

In 2007, it was renamed Hebei Chuanchuan Cable Co., Ltd. with a registered capital of 20 million yuan. At the same time, the company expanded and carried out technical transformation. The company covers an area of 102 acres, an increase of 67 acres.



### • 2023

In 2023, the company will update its production equipment and carry out technical transformation again, and its registered capital will increase to 3.6 billion

### • 2012

In 2012, the workshop equipment was upgraded and the capital was increased to RMB 202.816 million.





# HONORS AND CERTIFICATIONS

Honors

100<sup>+</sup>  
item

Invention patent

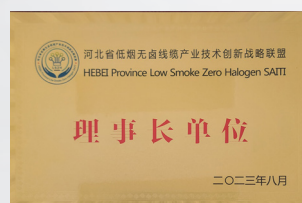
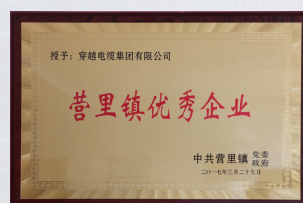
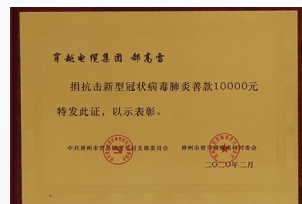
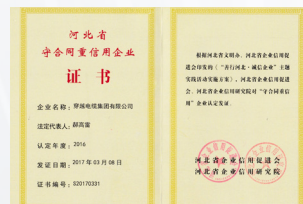
2<sup>+</sup>  
item

Utility model patent

20<sup>+</sup>  
item

Company Honors

10<sup>+</sup>  
item





# APPLICATION CASES

**Providing customers with high-quality, safe cables for energy and data transmission in various fields.**

The company's products are widely used in various industries, including power, construction, transportation, new energy, industrial automation, and manufacturing.



Industry



Construction



New energy



Traffic

# QUALITY IN HAND, SATISFACTION IN HEART.

**Dedicated to providing each customer with excellent, thoughtful, and comprehensive service experience.**

MORE<sup>+</sup>





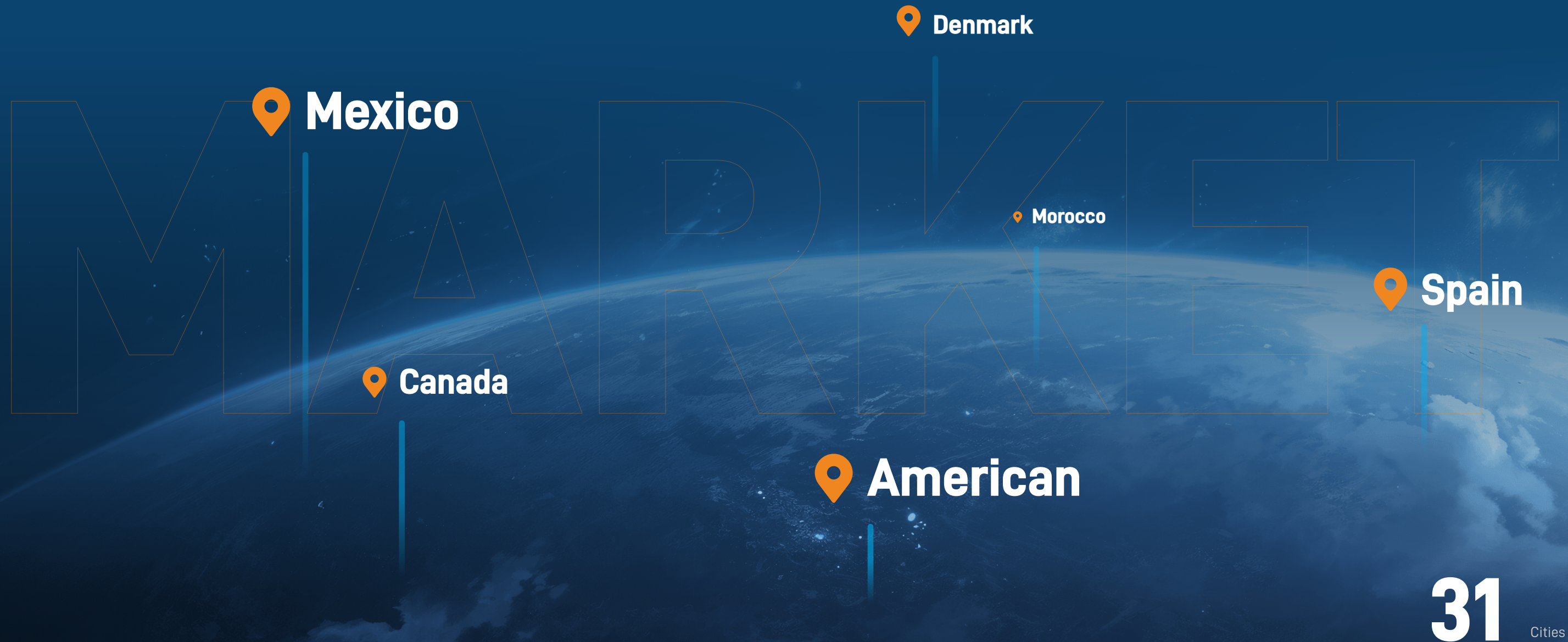
# SERVICE MARKET

Brand Merchant Service

Purchaser Service

End User Service

Government Department Service



The company has advanced production lines and quality testing equipment, mainly producing 1-35KV high and low voltage power cables, aluminum alloy cables, mining power cables, overhead cables, control cables, photovoltaic cables, fire-resistant cables, and other products with features like flame retardant, fire-resistant, cold-resistant, high-temperature resistant, low-smoke halogen-free, and waterproof. All products meet national and industry standards and strictly follow the ISO9001 quality management system.

**6.8** 10,000 m<sup>2</sup>

Company land area

**4** Billion

Company registered capital

**1506** Items

Total projects



# PROCESS /COOPERATION



## Initial Communication and Demand Confirmation

- Customer Demand Collection
- Demand Analysis

## Provide Customized Solutions and Quotations

- Solution Design
- Quotation Generation
- Quotation Confirmation

## Contract Signing

- Contract Preparation
- Contract Signing

## Installation and Technical Support

- On-site Installation Guidance (if required)
- Technical Support and Training

## Delivery and Logistics

- Packaging and Shipment Preparation
- Logistics Arrangement
- Delivery Confirmation

## Production and Quality Control

- Production Arrangement
- Quality Inspection
- Customer inspection

## After-Sales Service

- Quality Assurance
- Problem Feedback and Resolution
- Regular Follow-up

## Ongoing Cooperation and Feedback

- Regular Evaluation of Cooperation
- Exploring Long-term cooperation Opportunities





## Multilingual online technical support

- **24/7 Service**

Our multilingual technical support team is on standby at all times, providing round-the-clock online responses to customer needs, ensuring that international customers receive timely assistance whenever needed.

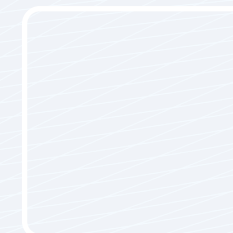
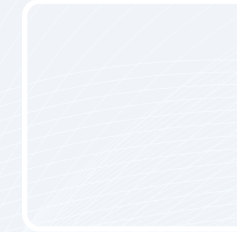
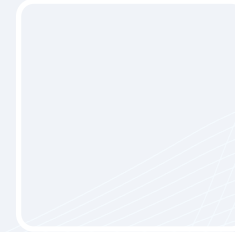
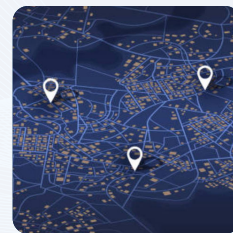
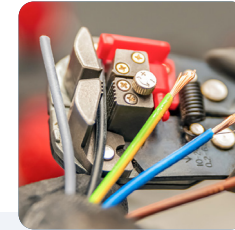
- **Multiple communication channels**

Customers can contact our technical experts through various methods such as email, instant messaging, and video conferencing to receive precise technical support.

- **Hassle-free solutions**

Whether it's cable installation, operation, or daily maintenance issues, our team will provide clear and detailed guidance to help customers easily resolve any technical challenges.

# PROCESS /AFTER-SALES



## Regular remote monitoring and diagnostics

- **Real-time remote monitoring**

With advanced remote monitoring technology, we provide regular cable product monitoring and performance diagnostics for international customers, helping to identify potential issues in a timely manner.

- **Preventive maintenance**

Through remote data analysis we can proactively identify potential failure risks and offer preventive maintenance suggestions to ensure that customers' equipment is always in optimal working condition.

- **Continuous optimization of product performance**

Regular remote inspections help us ensure the stability and reliability of cable products, reduce risks, and extend the product's lifespan.



## International logistics

- **Global logistics network**

With advanced remote monitoring technology, we have established long-term partnerships with international logistics companies to ensure that spare parts and products are delivered quickly and safely to customers, reducing waiting time. We provide regular cable product monitoring and performance diagnostics for international customers to help identify potential issues in a timely manner.

## Customized online training services

- **Tailored courses**

We provide customized online training services based on the needs of customers from different countries and regions, helping customers master the proper use and maintenance of cable products.

- **Flexible training formats**

Through video conferences, online tutorials, and interactive lectures, we ensure that customers can access professional training anytime and anywhere, quickly mastering the usage methods.

- **Improving usage efficiency**

Our training not only teaches product operation but also covers troubleshooting and daily maintenance, ensuring customers can use the products more efficiently and reduce the occurrence of failures.



# PRODUCTS



## 1kV and below overhead insulated cables

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Overhead insulated cables



## 10KV overhead insulated cable

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Overhead insulated cables



## Overhead bundled insulated wires

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Overhead bundled insulated wires



## PVC insulated cables, wires and cords below 450/750V

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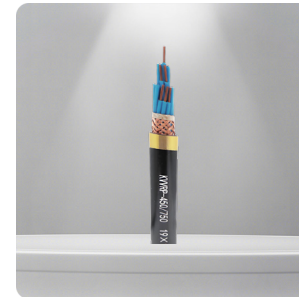
PVC insulated wire and cable



## Medium voltage power cable

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Medium voltage power cable



## Control cable

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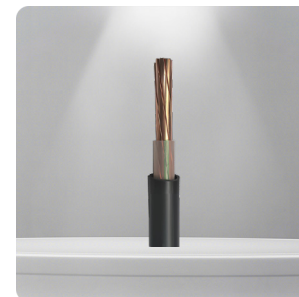
Control cable



## Photovoltaic cable

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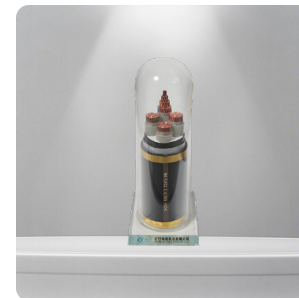
Photovoltaic cable



## Field (agricultural) direct buried cable

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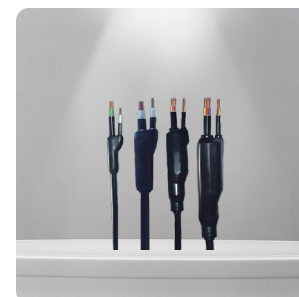
Field (agricultural) direct buried cable



## Low voltage power cable

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Low voltage power cable



## Pre-branch cable

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Pre-branch cable



# 1kV and below overhead insulated cables

## Introduction

Hard copper, annealed copper, aluminum or steel core aluminum stranded wire conductor; cross-linked polyethylene or high-density polyethylene or polyvinyl chloride insulation; rated voltage 1kV. Suitable for overhead power lines with AC rated voltage of 1KV and below.

## Model

JKYJ、JKY、JKLV、JKLYJ、JKLY、JKLV、JKLHYJ、JKLHY、JKLHV、JKTRYJ、JKTRY、JKGYJ, etc.

## Application Areas

- Urban power system
- Residential and commercial areas
- Special Environment
- Industrial power supply
- Farmland power construction

## Parameters

Rated Voltage	10KV	Conductor Material	Copper or aluminum
Conductor Structure	Single or twisted conductor	Insulation Materials	Cross-linked polyethylene (XLPE)
Shielding Materials	No shielding structure	Outer Sheath Material	Polyethylene (PE) or polyvinyl chloride (PVC)
Outer Sheath Thickness	1.5 mm ~ 3.0 mm	Operating Temperature	-30°C
Short Circuit Temperature	Max. 150°C	Cable Structure	Single-core or multi-core design
Current Carrying Capacity	10A ~ 200A (specific value depends on specifications and environment)	Dimensions And Weight	Outer diameter 10mm ~ 30mm; weight 1.0kg/m ~ 3.0kg/m
Fire Performance	Conforms to GB/T18380.1-2008 flame retardant standard		

## Features

- ### 001 Excellent electrical performance

  - Stable current transmission
  - Excellent insulation performance
- ### 002 Excellent mechanical strength

  - Anti-stretching and anti-bending capabilities
  - Strong pressure resistance
- ### 003 Weather resistance and strong adaptability

  - High and low temperature resistance
  - Anti-ultraviolet
- ### 004 Fire performance

  - Flame retardant design
- ### 005 Environmental protection and safety

  - Non-toxic materials
  - Low smoke and halogen-free

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.



# 10KV overhead insulated cable

## Introduction

Hard copper, annealed copper, aluminum or steel core aluminum stranded wire conductor; cross-linked polyethylene or high-density polyethylene insulation, ordinary insulation or light insulation; rated voltage 10kV, suitable for overhead power lines with AC rated voltage of 10kV.

## Model

JKYJ, JKY, JKLV, JKLYJ, JKLY, JKLV, JKLYJ, JKLYH, JKLVH, JKTRYJ, JKTRY, JKGJY, etc.

## Application Areas

Urban power grid construction

Rural power transformation

Industrial power transmission

Adaptation to complex environment

## Parameters

Rated Voltage	10KV	Conductor Material	Copper or aluminum
Conductor Structure	Single or twisted conductor	Insulation Materials	Cross-linked polyethylene (XLPE)
Shielding Materials	No shielding structure	Outer Sheath Material	Polyethylene (PE) or polyvinyl chloride (PVC)
Outer Sheath Thickness	1.5 mm ~ 3.0 mm	Operating Temperature	-20°C ~ +70°C
Short Circuit Temperature	Max. 250°C	Cable Structure	Single-core or multi-core design
Current Carrying Capacity	Depends on the cable cross-section size and specific application environment	Dimensions And Weight	Varies according to the number of cores, specifications, and sheath types
Fire Performance	Flame retardant performance meets relevant standards	Minimum Operating Temperature	-40°C (adapted to severe cold environment)

## Features

### Excellent electrical performance

- High conductivity and low resistance for long-distance transmission.
- Strong insulation for reliable transmission.

### Strong weather resistance

- Resistant to aging, extreme temperatures, moisture, and UV rays.
- Suitable for harsh environments.

### High economic efficiency

- Cluster design reduces cable use and construction cost.
- Lowers line losses, boosting efficiency.

### Convenient construction

- Simplifies laying and reduces labor costs.
- Flexible for different installation needs.

### Excellent safety

- Insulation prevents short circuits and accidents.
- High-strength neutral wire ensures stability.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.



# Overhead bundled insulated wires

## Introduction

Copper or aluminum conductor; PVC or polyethylene or cross-linked polyethylene insulation. Two, three or four insulated wires connected in parallel. Applicable to newly built or rebuilt overhead lines with a rated voltage of 380V/220V. Parallel bundled insulated wires should be used in the following areas: 1. Township streets, densely populated areas 2. Green areas and forest belts; 3. Severely polluted areas; 4. Rural low-voltage branch lines and household lines; 5. Remote rural areas with small loads.

## Model

BS1-JKLYJ BS2-JKLYJ BS3-JKLYJ  
BS1-JKLY BS2-JKLY BS3-JKLY BS1-JKLV  
BS2-JKLV BS3-JKLV BS1-JKYJ  
BS2-JKYJ BS3-JKYJ BS1-JKV BS2-JKV  
BS3-JKV etc. The rated voltage of two-core cables is 0.6kV; the rated voltage of three-core and above cables is 1kV.

## Application Areas

Rural power grid transformation

Urban power grid

Mountains and forests

Industrial and Mining Enterprises



## Parameters

Rated Voltage	0.6/1kV	Conductor Material	Aluminum or aluminum alloy
Conductor Structure	Stranded conductor	Insulation Materials	High-density polyethylene (HDPE) or cross-linked polyethylene (XLPE)
Insulation Thickness	1.0 mm ~ 2.0 mm	Number Of Cores	2 core, 3 core, 4 core (including neutral wire)
Neutral Wire Material	Aluminum, aluminum alloy or steel core aluminum stranded wire	Operating Temperature	-20°C ~ +80°C
Minimum Operating Temperature	-40°C (suitable for extremely cold regions)	Short Circuit Temperature	Max. 250°C
Tensile Strength	≥70 MPa	Laying method	Overhead laying
Protection performance	Strong corrosion resistance and weather resistance	Cable cross section range	10 mm <sup>2</sup> ~ 150 mm <sup>2</sup> ; Neutral conductor cross-section range: 10 mm <sup>2</sup> ~ 120 mm <sup>2</sup>

## Features

### Excellent electrical performance

- Stable current transmission
- Excellent insulation performance

### Excellent mechanical strength

- Anti-stretching and anti-bending capabilities
- Strong pressure resistance

### Weather resistance and strong adaptability

- High and low temperature resistance
- Anti-ultraviolet

### Fire performance

- Flame retardant design



The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.



# PVC insulated cables, wires and cords below 450/750V

## Introduction

Copper conductor or soft copper conductor or aluminum conductor; PVC insulation; PVC sheath. Suitable for connection of power devices with AC rated voltage of 450/750V and below. For example: hospitals, schools, airports, tunnels, subways, fire protection systems, etc.

## Model

60227IEC01(BV) 60227IEC02(RV)  
60227IEC05(BV) BLV  
BVR BVVB BLVVB  
60227IEC52(RVV)60227IEC53(RVV)  
RVV-RVS 60227IEC53(YZ)YZ  
RVVP etc. Flame retardant A B C D  
halogen-free low smoke and/or fire  
resistant (WD NH) requirements etc.

## Application Areas

- For indoor lighting and power wiring
- Ideal for household appliance wiring
- For low-voltage factory connections
- Common wiring for projects
- Flexible cables for mobile equipment



## Parameters

Rated Voltage	450/750V	Conductor material	Oxygen-free copper conductor (single or stranded) 0.6 mm ~ 1.0 mm (the specific thickness is determined by the cross-section size and purpose)
Insulation Materials	Polyvinyl chloride (PVC)	Insulation thickness	0.8 mm ~ 2.0 mm (to meet different application requirements)
Sheath material	Polyvinyl chloride (PVC)	Sheath thickness	Solid conductor or stranded conductor (select according to flexibility requirements)
Core number range	Single core, dual core, triple core or multi-core (common core count is 2~10 cores, customization is supported)	Wire core structure	0.5 mm <sup>2</sup> ~ 240 mm <sup>2</sup> (suitable for different current requirements)
Operating temperature	-15°C ~ +70°C	Cable cross section range	
Combustion performance	Flame retardant performance complies with GB/T 18380 standard		
Minimum bending radius	When the cable is installed in a fixed manner, it should be 4 times the outer diameter of the cable; when the cable is installed in a mobile manner, it should be 6 times the outer diameter of the cable.		

## Features

001

Good electrical properties

- Oxygen-free copper, efficient transmission.
- PVC insulation, stable, versatile.

002

Strong diversity

- Diverse conductors, versatile transmission.
- Flexible design, easy connection.

003

High durability

- Weather-resistant, long-lasting materials.
- Waterproof, moisture-proof, outdoor-ready.

004

Flame retardant safety

- Flame-retardant, enhanced safety.

005

Excellent flexibility (soft wire)

- Flexible, bendable, mobile-friendly design.

II

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.



# Medium voltage power cable

## Introduction

Copper, aluminum or aluminum alloy conductor; single core or three cores; cross-linked polyethylene or polyvinyl chloride or ethylene propylene rubber insulation; no armor or metal tape armor or metal wire armor (23, 32, 42, 43, 62, 63); polyvinyl chloride or polyethylene or halogen-free low-smoke polyolefin outer sheath. Rated voltage 3.6/6kV, 6/10kV, 8.7/15kV, 12/20kV, 18/20kV, 21/35kV, 26/35kV. Suitable for fixed installation with rated voltage of 6kV to 35kV in distribution network or industrial equipment. For example, cables for various large buildings, external lines of industrial enterprises, wind power main lines, photovoltaic main lines, thermal power main lines, railways, and subways.

## Model

YJV YJV22 YJLV YJLV22 YJLHV  
YJLHV22 VV VV22 VLV VLV22 VLHV  
VLHV22 etc. flame retardant types  
A B C D halogen-free and low  
smoke and/or fire resistance (WD  
NH) requirements etc.

## Application Areas

Power transmission for reliable  
medium-voltage grids.

Industrial power applications

Used in new energy power  
transmission

Power supply systems



## Parameters

Rated Voltage	3.6/6kV、6/10kV、 8.7/15kV12/20kV、18/30kV	Conductor material	Copper or aluminum
Conductor structure	Single or twisted conductor	Insulation Materials	Cross-linked polyethylene (XLPE)
Insulation thickness	Depending on the voltage level, the range is 2.5 mm ~ 8.0 mm	Shielding Materials	Copper tape shield, copper wire shield or copper foil shield
Sheath material	Polyvinyl chloride (PVC), polyethylene (PE) or halogen- free low smoke material (LSZH)	Sheath thickness	1.5 mm ~ 3.5 mm
Number of cores	-15°C ~ +70°C	Cable cross section range	0.5 mm <sup>2</sup> ~ 240 mm <sup>2</sup> (suitable for different current requirements)
Combustion performance	Single core, three core	Operating temperature	-20°C ~ +90°C
Short circuit temperature	Maximum 250°C, duration not exceeding 5 seconds	Laying method	Underground laying, pipeline laying, overhead laying
Fire resistance	Comply with GB/T 19666 and other relevant standards	Cable cross section range	25 mm <sup>2</sup> ~ 1000 mm <sup>2</sup>
Electrical properties	Dielectric strength and insulation resistance comply with GB/T 12706 and other standards		

## Features

### High electrical performance

- High-purity conductors, reduced power loss.
- Stable, voltage-resistant insulation.

### Safe and reliable

- Flame retardant, fire-resistant.
- Copper shielding, stable transmission.

### Strong durability

- Resistant to extreme environments.
- Anti-aging sheath, longer lifespan.

### Flexibility and ease of construction

- Anti-aging sheath, longer lifespan.

The cable should be packed in a wooden or steel reel to prevent moisture and shock.  
Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed.  
Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.





## Control Cable

- Introduction

KVV, KVVP, KVVP2, KVVP2-22, KVV22, KVV32KYJV, KYJVP, KYJVP2, KYJVP2-22, KYJY, KYJYPKYJP2, KYJYP2-22, KYJVRP, flame retardant class A, B, C, D, halogen-free, low smoke and/or fire resistance requirements, etc. Rated voltage 450/750V.

- Model

BS1-JKLYJ、BS2-JKLYJ、BS3-JKLYJ etc. The rated voltage of two-core cables is 0.6kV; the rated voltage of three-core and above cables is 1kV. BS1-JKLY、BS2-JKLY、BS3-JKLY、BS1-JKLV、BS2-JKLV、BS3-JKLV、BS1-JKYJ、BS2-JKYJ、BS3-JKYJ、BS1-JKV、BS2-JKV、BS3-JKV

- Application Areas

Connects main cable, floor branches.

## Power distribution in tunnels, subways

## Power branches for public facilities

### Factory power supply branch connection



- Parameters

Rated Voltage	450/750V	Conductor material	Copper conductor (single or stranded)
Insulation Materials	Polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE)	Insulation thickness	0.6 mm ~ 1.0 mm
Sheath material	Depending on the voltage level, the range is 2.5 mm ~ 8.0 mm	Shielding Materials	Copper tape shield, copper wire shield or copper foil shield
Sheath material	Polyvinyl chloride (PVC), halogen-free low smoke material (LSZH)	Sheath thickness	2 cores ~ 61 cores (customized according to customer needs)
Shielding structure	-15°C ~ +70°C	Cable cross section range	0.5 mm <sup>2</sup> ~ 240 mm <sup>2</sup> (suitable for different current requirements)
Combustion performance	Copper wire braided shield or aluminum foil shield (optional)	Operating temperature	-20°C ~ +70°C
Minimum laying temperature	-15°C		

- Features

### Excellent electrical performance

- Oxygen-free copper, stable transmission.
- Dielectric strength, electrical aging resistance.

Good anti-interference ability

- Shielding, interference protection, accurate transmission.
- Oxygen-free copper ensures stability.

Strong flexibility

- Customizable branches, spacing, length.
- Supports various cores, specifications.

### Excellent safety performance

- Flame-retardant, smoke-free, non-toxic.
- High temperature, extended lifespan.

### Cost savings

- Simplified construction reduces costs.
- Minimized failure and maintenance costs.

The cable should be packed in a wooden or steel reel to prevent moisture and shock.  
Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed.  
Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.





# Photovoltaic Cable

## Introduction

Metal-plated copper conductor; cross-linked polyolefin insulation; halogen-free low-smoke cross-linked polyolefin sheath is suitable for solar photovoltaic module systems and has the characteristics of high temperature resistance, weather resistance, and friction resistance. For example: photovoltaic power generation.

## Model

GF-WDZXEER、GF-WDZXEESR  
GF-WDZXa(N)bEE(R).GF-WDZX(N)  
EE(R)P2、GF-WDZX(N)EE23、GF-  
WDZX(N)EE63 PV1-F H1Z2Z2-wait.

## Application Areas

- Signal control, power connection.
- Electrical control, signal transmission
- Control signals for infrastructure
- Anti-interference for sensitive environments.

## Parameters

Rated voltage	1.5kV DC	Conductor material	Tinned copper conductor, single or stranded
Insulation Materials	Cross-linked polyolefin (XLPO) with excellent anti-aging properties	Insulation thickness	0.5 mm ~ 1.0 mm (depending on cable specifications)
Sheath material	Cross-linked polyolefin (XLPO) or halogen-free low-smoke flame retardant material	Shielding Materials	Copper tape shield, copper wire shield or copper foil shield
Sheath material	Polyvinyl chloride (PVC), halogen-free low smoke material (LSZH)	Sheath thickness	1.2 mm ~ 2.5 mm
Core number range	Single-core, dual-core or multi-core design	Operating temperature	-40°C ~ +90°C (long term operation), short term tolerance +120°C
Minimum bending radius	4 times the cable outer diameter	Weather resistance	Anti-ultraviolet, anti-ozone, high and low temperature environment resistance
Fire performance	Complies with EN 50618 and TUV 2Pfg 1169/08.2007 standards, excellent flame retardant performance	Durable life	More than 25 years, ensuring long-term reliable operation of photovoltaic systems

## Features

- ### 001 Excellent weather resistance

  - UV-resistant, weatherproof materials.
- ### 002 High electrical performance

  - Tinned copper, low resistance.
  - Low leakage, efficient transmission
- ### 003 Environmental safety

  - Halogen-free, low-smoke, eco-friendly.
  - Flame retardant, enhanced safety.
- ### 004 Strong flexibility

  - Flexible, easy installation, photovoltaic systems.
- ### 005 Long life

  - Anti-aging, 25+ years lifespan.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.



# Field (agricultural) direct buried cable

## Introduction

Single core; copper or aluminum or aluminum alloy conductor; polyethylene or cross-linked polyethylene or polyvinyl chloride insulation; polyethylene or aluminum-polyethylene bonded sheath. Suitable for outdoor direct burial, connecting fixed distribution lines and electrical equipment with AC rated voltage of 0.6/1kV and below. For example: temporary power supply for various buildings, farmland power facilities, etc.

## Model

NY, NYLY, NYLHY, NYJY, NYJLY, NYJLHY, NVY, NVLY, NVLHY, NYJA, NYA, NVAwait.

## Application Areas

Farm power, water pumps, motors

Outdoor power, rural grids

Farm power, agricultural machinery

Anti-interference for sensitive environments

Rugged terrain, weather-resistant cables

## Parameters

Rated voltage	0.6/1kV	Conductor material	Oxygen-free copper conductor or aluminum conductor, multi-strand twisted structure
Insulation Materials	Cross-linked polyethylene (XLPE) or polyvinyl chloride (PVC)	Insulation thickness	According to the specification, usually 1.0 mm ~ 2.0 mm
Sheath material	PVC or HDPE for improved mechanical resistance	Sheath thickness	1.5 mm ~ 3.5 mm
Protective layer	Optional steel or copper tape for enhanced pressure resistance and protection	Core number range	Single-core, dual-core, triple-core, quad-core and multi-core designs
Operating temperature	-40°C ~ +70°C	Minimum bending radius	Unarmored: 12 times of the cable outer diameter; Armored cable: 15 times of the cable outer diameter
Waterproof	The sheath material has excellent waterproof performance and is suitable for humid or rain-corroded environments	Compression performance	Able to withstand soil pressure and mechanical shock in outdoor direct burial environments
Fire performance	Flame retardant performance meets the requirements of GB/T 18380.3	Service life	More than 30 years, suitable for long-term underground use

## Features

### Excellent environmental resistance

- HDPE sheath, waterproof, corrosion-resistant
- Insulation layer prevents moisture, ensures stable operation.

### Strong mechanical resistance

- Steel tape armor, impact-resistant.
- Sturdy structure, impact-resistant.

### Reliable electrical performance

- High conductivity, low loss.
- Flame retardant, improved safety.

### Environmental protection and safety

- Halogen-free, low-smoke, eco-friendly.

### Long life design

- Durable, low-maintenance, cost-effective.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.





# Low voltage power cable

## Introduction

YV, YJV22, YJLV, YJLV22, YJLHV, YJLHV22, VVVV22, VLV, VLV22, VLHV, VLHV22, etc., flame retardant A, B, C, D, halogen-free, low smoke and/or fire resistance requirements, etc.

## Model

BS1-JKLYJ、BS2-JKLYJ、BS3-JKLY  
The rated voltage of two-core cables is 0.6kV; the rated voltage of three-core and above cables is 1kV.J、BS1-JKLY、BS2-JKLY、BS3-JKLY、BS1-JKLV、BS2-JKLV、BS3-JKLV、BS1-JKYJ、BS2-JKYJ、BS3-JKYJ、BS1-JKV、BS2-JKV、BS3-JKV

## Application Areas

Low voltage, lighting, connections

Low voltage, factory connections

Low voltage, airports, subways

Power supply, urban grids



## Parameters

Rated voltage	0.6/1kV	Conductor material	Copper or aluminum
Conductor structure	Single or twisted conductor	Insulation Materials	Polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE)
Insulation thickness	According to the cable cross-section size, the range is 0.7 mm ~ 1.5 mm	Shielding Materials	No shield or copper tape shield (optional)
Sheath material	Polyvinyl chloride (PVC), polyethylene (PE) or halogen-free low smoke material (LSZH)	Sheath thickness	1.2 mm ~ 2.5 mm
Number of cores	Single core, dual core, triple core, quad core, quintuple core and multi-core	Operating temperature	-20°C ~ +70°C
Short circuit temperature	Maximum 160°C, duration no longer than 5 seconds	Laying method	Underground laying, pipeline laying, bridge laying, indoor laying
Cable cross section range	1.5 mm <sup>2</sup> ~ 630 mm <sup>2</sup>	Electrical properties	Complies with GB/T 12706 standards.

## Features

### Excellent electrical performance

- Excellent conductivity, low voltage.
- High-quality PVC/XLPE insulation.

### Safe and reliable

- Flame retardant sheath, GB/T 19666 compliant.
- Halogen-free, low-smoke, eco-friendly.

### Strong environmental adaptability

- Acid, alkali, moisture, UV resistant.
- Wide temperature range, stable operation.

### High construction convenience

- Flexible, easy to install.
- Multi-core, flexible design.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.





## Pre-branch cable

### • Introduction

Copper conductor; cross-linked polyethylene or polyvinyl chloride insulation; polyvinyl chloride or polyethylene or halogen-free low-smoke polyolefin sheath, suitable for air-laid building rated voltage 0.6/1KV and below power supply trunk lines and tunnels, bridge lighting lines and other similar uses. For example: high-rise buildings, subway tunnels, etc.

### • Model

FZVV、FZYJV、WDZ-FZYJV、NH-FZYJV Etc.; Flame retardant class A B C.

### • Application Areas

Low voltage, lighting, connections

Low voltage, factory connections

Low voltage, airports, subways

Power supply, urban grids

Power branches for commercial buildings

### • Parameters

Rated voltage	0.6/1kV	Conductor material	Copper or aluminum
Conductor structure	Single or twisted conductor	Insulation thickness	Main line: 3.4 mm ~ 6.0 mm; branch line: 0.7 mm ~ 1.5 mm
Sheath material	Polyvinyl chloride (PVC), polyethylene (PE) or halogen-free and low-smoke materials	Sheath thickness	Main line: 2.0 mm ~ 3.5 mm; Branch line: 1.2 mm ~ 2.0 mm
Branch joint structure	Fully enclosed one-piece molding, made by heat shrink or molding process	Branch joint spacing	Customized according to user needs (such as 3m, 5m and other spacing)
Core number range	Trunk line: single core or multi-core; branch line: single core or multi-core	Operating temperature	-20°C ~ +90°C
Minimum bending radius	Fixed laying: 6 times of the cable outer diameter; Mobile laying: 10 times of the cable outer diameter	Laying method	Flame retardant performance complies with GB/T 18380.3, fire resistance performance complies with GB/T 19216
Number of branches	Customized according to customer needs, usually 2~10 branches	Applicable environment	Indoor, outdoor, underground, overhead installation

### • Features

#### Efficient installation

- Pre-branching design boosts efficiency, cuts time.
- Integrated lines ensure strength and performance.

#### High reliability

- Advanced sealing, waterproof, corrosion-resistant.
- Halogen-free, low-smoke, eco-friendly.

#### Strong flexibility

- Acid, alkali, moisture, UV resistant.
- Wide temperature range, stable operation.

#### Excellent safety performance

- Flexible, easy to install.
- Multi-core, flexible design.

#### Cost savings

- Simplified construction reduces costs.
- Minimize failure, maintenance costs.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.