

# 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%.