



XLPE insulated electrical power cable for rated voltage 0.6/1kV.

1.Standard

The product is manufactured according to the standard of GB/T12706-2002 or IEC,BS,DIN,ICEA, and JIS upon request.

1. Application

The product is suitable for use in power distribution lines or fixed installations with rated power-frequency voltage up to and including 0.6/1kV.

2. Operating characteristics

Rated power-frequency voltage U_0/U : 0.6/1kV

Max. Permissible continuous operating temperature of conductor(PVC/XLPE):70°C/90°C

Max. Short-circuit temperature of conductor shall not exceed(5s maximumduration):

PVC:cross-section of conductor $\leq 300\text{mm}^2$ -160°C

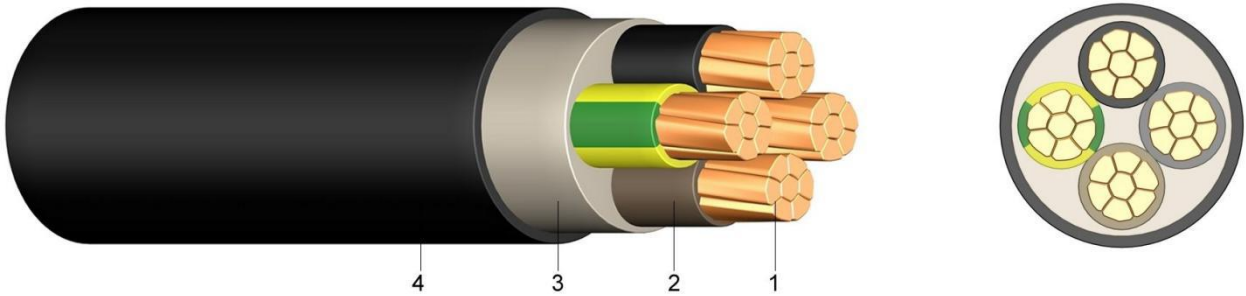
cross-section of conductor $\leq 300\text{mm}^2$ -160°C

XLPE:250°C

The ambient temperature under installation should not below 0°C

The bending radius of a single-core cable should not less than 20 times of the cable diameter.

The bending radius of multi-core cable should not less than 15 times of the cable diameter.



1. Aluminum/copper conductor 2. PVC/XLPE insulation 3.Filler 4.Over sheath

4. Type and designation

Type	Name	Application
YJV	Copper conductor, XLPE insulated, PVC sheathed electrical cable	For laying indoors, in tunnel or cable trench, unable to bear external mechanical forces. Single core cable in magnetic duct is not permissible.
YJLV	Aluminum conductor, XLPE insulated, PVC sheathed electrical cable	
YJY	Copper conductor, XLPE insulated, PE sheathed electrical cable	
YJLY	Aluminum conductor, XLPE insulated, PE sheathed electrical cable	
YJV22	Copper conductor, XLPE insulated, steel tape armoured, PVC sheathed electrical cable	For laying indoors, in tunnel, in cable trench or direct buried, able to bear external mechanical forces, but unable to bear large pulling force.
YJLV22	Aluminum conductor, XLPE insulated, steel tape armoured, PVC sheathed electrical cable	
YJV23	Copper conductor, XLPE insulated, steel tape armoured, PE sheathed electrical cable	
YJLV23	Aluminum conductor, XLPE insulated, steel tape armoured, PE sheathed electrical cable	
YJV32	Copper conductor, XLPE insulated, fine steel wire armoured, PVC sheathed electrical cable	For laying indoors, in tunnel, in cable trench, well or direct buried, able to bear external mechanical forces and determinate pulling force.
YJLV32	Aluminum conductor, XLPE insulated, fine steel wire armoured, P sheathed electrical cable	
YJV33	Copper conductor, XLPE insulated, fine steel wire armoured, PE sheathed electrical cable	
YJLV33	Aluminum conductor, XLPE insulated, fine steel wire armoured, PE sheathed electrical cable	

5. Production range of cable

Type		Cores	Nominal cross-sectional areas/mm ²
Copper conductor	Aluminum conductor		
YJV YJY --- YJV22 YJV23	---- YJLV YJLY YJLV22 YJLV23	1	1.5-800 2.5-800 10-800
YJV YJY --- YJV22 YJV23 YJV32 YJV33	---- YJLV YJLY YJLV22 YJLV23 YJLV32 YJLV33	2	1.5-300 2.5-300 2.5-300 10-300
YJV YJY ---- YJV22 YJV23 YJV32 YJV33	---- YJLV YJLY YJLV22 YJLV23 YJLV32 YJLV33	3	1.5-400 2.5-400 2.5-400 10-400
YJV YJY --- YJV22 YJV23 YJV32 YJV33	---- YJLV YJLY YJLV22 YJLV23 YJLV32 YJLV33	4	1.5-400 2.5-400 2.5-400 10-400
YJV YJY --- YJV22 YJV23 --- YJV32 YJV33	---- YJLV YJLY ---- YJLV22 YJLV23 YJLV32 YJLV33	3+1	1.5-400 4.0-400 1.5-400 4.0-400 10-400
YJV YJY --- YJV22 YJV23 --- YJV32 YJV33	---- YJLV YJLY ---- YJLV22 YJLV23 YJLV32 YJLV33	5	1.5-400 2.5-400 1.5-400 2.5-400 10-400
YJV YJY --- YJV22 YJV23 --- YJV32 YJV33	---- YJLV YJLY ---- YJLV22 YJLV23 YJLV32 YJLV33	4+1	1.5-400 4.0-400 1.5-400 4.0-400 10-400
YJV YJY --- YJV22 YJV23 --- YJV32 YJV33	---- YJLV YJLY ---- YJLV22 YJLV23 YJLV32 YJLV33	3+2	1.5-400 4.0-400 1.5-400 4.0-400 10-400

The armoured single-core cables are used for D.C. System only. As for A.C. System, nonmagnetic armour material should be used, or magnetic isolation should be applied.