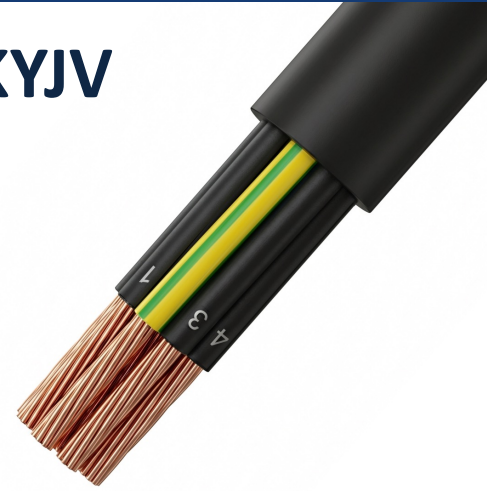


XLPE Insulated Control Cable (KYJV Cable) - 450/750V & 0.6/1kV

Farwalk's XLPE Insulated Control Cables deliver an essential thermal and dielectric upgrade for high-stress automation environments. Designed to operate continuously at 90°C, they provide robust, heat-resistant signal transmission for critical heavy-industry equipment.



Applications

The superior choice for power generation plants, petrochemical refineries, steel mills, and high-temperature manufacturing zones. While offering the same high-density, multi-core signal management as standard PVC cables, the XLPE insulation allows for much higher thermal overloads and better moisture resistance in demanding cable tray routing.

Description

Manufactured to GB/T 9330 (for 450/750V) and strictly aligned with IEC 60502-1 (for 0.6/1kV variations). The conductors are pure annealed copper. The cores are insulated with XLPE (Cross-linked Polyethylene), identified by bright white numerical printing (Number Coded). The cores are concentrically stranded and protected by a flame-retardant PVC or LSZH outer sheath.

Specifications

- **Voltage Rating: 450/750V or 0.6/1kV**
- **Conductor: Pure Copper (Solid or Stranded)**
- **Core Count: 2 Cores up to 61 Cores**
- **Max Operating Temp: 90°C (Continuous)**
- **Standards: GB/T 9330 (KYJV), IEC 60502-1**

Farwalk Cable — XLPE Insulated Control Cable (KYJV Cable)

Complete Technical Tables

XLPE Control Cable (KYJV) - Small Core Counts (1.5 mm² to 2.5 mm²)

No. of Cores x Cross Section (mm ²)	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20° C (Ω/km)
450/750V & 0.6/1kV XLPE Control Cable (Stranded Copper)					
2 x 1.5	1.56	0.7	1.2	8.5	12.1
3 x 1.5	1.56	0.7	1.2	9.0	12.1
4 x 1.5	1.56	0.7	1.2	9.8	12.1
5 x 1.5	1.56	0.7	1.2	10.6	12.1
7 x 1.5	1.56	0.7	1.2	11.5	12.1
2 x 2.5	2.01	0.7	1.2	9.6	7.41
3 x 2.5	2.01	0.7	1.2	10.1	7.41
4 x 2.5	2.01	0.7	1.2	11.0	7.41
5 x 2.5	2.01	0.7	1.2	12.0	7.41
7 x 2.5	2.01	0.7	1.2	13.0	7.41

High-Density XLPE Control Cable (KYJV) - Number Coded

No. of Cores x Cross Section (mm ²)	Nominal Conductor Dia. (mm)	Nominal Insulation Thick. (mm)	Nominal Sheath Thick. (mm)	Approx. Overall Dia. (mm)	Max. DC Resistance @ 20° C (Ω/km)
450/750V & 0.6/1kV High-Density XLPE Control Cable (Number Coded)					
10 x 1.5	1.56	0.7	1.5	14.5	12.1
14 x 1.5	1.56	0.7	1.5	15.8	12.1
19 x 1.5	1.56	0.7	1.5	17.5	12.1
24 x 1.5	1.56	0.7	1.7	20.2	12.1
30 x 1.5	1.56	0.7	1.7	21.5	12.1
37 x 1.5	1.56	0.7	1.7	23.2	12.1
44 x 1.5	1.56	0.7	1.9	26.5	12.1
61 x 1.5	1.56	0.7	2.1	30.5	12.1
19 x 2.5	2.01	0.7	1.5	19.8	7.41
37 x 2.5	2.01	0.7	1.9	27.5	7.41