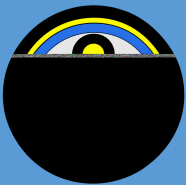


XLPE Insulated Control Cable



Cu / XLPE / PET / Cu Braid (≥80%) / PVC

APPLICATION	ADVANTAGES	
XLPE insulated control cables, featuring a 90°C continuous operating temperature, high dielectric strength and low-smoke zero-halogen environmental performance, are widely used in control circuits requiring enhanced cable performance, including high-temperature and high-load installations, densely occupied areas, new-energy systems and other demanding operating environments.	■ Excellent Electrical Insulation: 30–40 kV/mm, approx. 2× PVC · $\tan\delta \leq 0.001$, about 95% lower than PVC	■ LSZH Safety: Light Transmittance ≥60% · No HCl or other corrosive toxic gases
	■ High Mechanical Strength: 18–25 MPa Tensile Strength · Abrasion, Impact & Environmental Stress-Crack Resistant	■ Strong Environmental Resistance: Acid/Alkali & Oil Resistant · pH 1–13 · QUV 3000 h
	Key Features: XLPE delivers superior thermal stability, electrical reliability, environmental resistance and longer service life than conventional PVC.	

CABLE CONSTRUCTION		TECHNICAL CHARACTERISTICS		ELECTRICAL CHARACTERISTICS	
Conductor	Oxygen-Free Copper Conductor	Operating Temperature	-20°C to +90°C	Rated Voltage	450/750 V
Insulation	Cross-Linked Polyethylene (XLPE)	Flame Retardancy	IEC 60332-1	Test Voltage	3000 V / 5 min
Wrapping Tape	Polyester Tape	Flame Test	IEC 60332-1	Minimum Bending Radius	6–12 × cable diameter
Braided Shield	Oxygen-Free Copper Wire Braid, Coverage ≥80%	Standard	GB/T 9330-2020	Insulation Resistance	≥500 MΩ·km
Sheath	Polyvinyl Chloride (PVC)				
Sheath Color	Black				

DIMENSIONS

No. of Cores × Nominal Cross-Section n × mm ²	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Weight kg/km
2x1	0.6	1.2	8.3	90
3x1	0.6	1.2	8.7	105

4x1	0.6	1.2	9.3	124
5x1	0.6	1.2	10.0	143
2x1.5	0.6	1.2	8.8	105
3x1.5	0.6	1.2	9.2	126
4x1.5	0.6	1.2	9.9	150
5x1.5	0.6	1.2	10.7	1075
7x1.5	0.6	1.2	11.5	217
12x1.5	0.6	1.5	15.5	378
14x1.5	0.6	1.5	16.1	421
19x1.5	0.6	1.5	17.7	528
24x1.5	0.6	1.7	20.1	680
37x1.5	0.6	1.7	23.4	939
2x2.5	0.7	1.2	10.0	139
3x2.5	0.7	1.2	10.5	170
4x2.5	0.7	1.2	11.4	206
5x2.5	0.7	1.2	12.3	244
7x2.5	0.7	1.5	132.9	326
12x2.5	0.7	1.5	17.9	536
14x2.5	0.7	1.5	18.7	601
19x2.5	0.7	1.7	21.0	783
24x2.5	0.7	1.7	24.3	984
37x2.5	0.7	1.7	27.8	1414



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