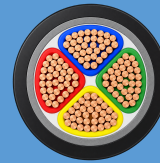


0.6/1 kV XLPE Insulated Power Cable



0.6/1 kV · XLPE Insulation · PVC Sheath

APPLICATION

Designed for 0.6/1 kV, 50 Hz low-voltage power distribution systems. Suitable for fixed installation in residential and commercial buildings, industrial facilities, and power infrastructure, including distribution feeders and power connections to electrical equipment.

ADVANTAGES

- Compliant with IEC 60502-1
 - XLPE insulation, 90°C continuous operating temperature
 - IEC 60228 Class 1 / Class 2 copper conductor
 - Suitable for 0.6/1 kV LV power distribution
 - Short-circuit temperature up to 250°C / 5s
 - PVC sheath for fixed installation
- Key Features: XLPE Insulation · 90°C Continuous Operation · 250°C Short-Circuit Rating · Copper Conductor · PVC Sheath

CABLE CONSTRUCTION

Conductor	Copper conductor, IEC 60228 Class 1 or Class 2
Insulation	Cross-linked Polyethylene (XLPE)
Sheath	Polyvinyl Chloride (PVC)
Sheath Color	Black

TECHNICAL CHARACTERISTICS

Standard	IEC 60502-1
Max. Operating Temp.	Conductor ≤ 90°C
Short-Circuit Temp.	≤ 250°C, max. 5s
Temperature Range	-20°C to +90°C

ELECTRICAL CHARACTERISTICS

Rated Voltage	0.6/1 kV
System Frequency	50 Hz
Test Voltage	3.5 kV / 5 min

DIMENSIONS

Cross Section n × mm ²	Conductor Diameter mm	Insulation Thickness mm	Sheath Thickness mm	Overall Diameter mm	Weight kg/km	Conductor Resistance at 20°C Ω/km
4×1.5	1.38	0.7	1.8	11.5	175	12.1
4×2.5	1.8	0.7	1.8	12.4	219	7.41
4×4	2.25	0.7	1.8	13.5	290	4.61
4×6	2.76	0.7	1.8	14.7	383	3.08
4×10	3.8	0.7	1.8	17.2	581	1.83
4×16	4.8	0.7	1.8	19.7	835	1.15
4×25	6	0.9	1.8	23.5	1246	0.727
4×35	7	0.9	1.8	26	1644	0.524
4×50	8.4	1	1.9	27.5	2063	0.387
4×70	10	1.1	2	31.3	2884	0.268
4×95	11.6	1.2	2.1	35.7	3889	0.193
4×120	13	1.4	2.3	41.6	4855	0.153
4×150	14.6	1.6	2.4	43.4	5999	0.124
4×185	16.2	1.7	2.6	48	7472	0.0991
4×240	18.4	1.8	2.8	54.2	9712	0.0754
4×300	20.6	2	3	59.3	12039	0.0601



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