

XLPE Insulated Annealed Copper Conductors Single Core



APPLICATION

Single core cables with stranded copper conductors, XLPE insulated, conforming to UL:44 (similar to XHHW cable). Insulation adheres tightly to conductors yet strips easily, leaving conductor clean. XLPE insulation has good electrical properties and resistance to moisture, oil and most chemicals. Typical applications include building wiring, equipment wiring, switching and distribution installations in conduits above or under plaster.

CHARACTERISTICS

Voltage Rating U_0/U
600V

Temperature Rating

Minimum Bending Radius

CONSTRUCTION

Conductor

Plain annealed circular copper conforming to IEC:60228, class 1 and 2.

Insulation

Extruded XLPE (cross-linked polyethylene) rated 90°C


STANDARDS

IEC:60228



CORE IDENTIFICATION

Alternative Core Identification

 White cores with Black numbers



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DIMENSIONS

Conductor		Insulation		Packaging	
Cross sectional area Nominal (mm ²)	Minimum number of wires (No.)	Thickness Nominal (mm)	Overall diameter Approx (mm)	Net weight Approx kg/km	B-Box, S-Spool, C-Coil, D-Drum m
1.5	7	0.8	3.3	20.0	100 B/S
2.5	7	0.8	3.7	30.0	100 B/S
4	7	0.8	4.2	45.0	100 B/S
6	7	0.8	4.8	65.0	100 B/S
10	7	1.1	6.4	105.0	100 C
16	7	1.1	7.5	165.0	100 C
25	7	1.1	8.8	250.0	100 C
35	7	1.1	9.9	340.0	1000 D
50	19	1.4	12.0	465.0	1000 D
70	19	1.4	13.8	655.0	1000 D
95	19	1.4	15.6	895.0	1000 D
120	37	1.7	17.8	1,135.0	1000 D
150	37	1.7	19.3	1,385.0	1000 D
185	37	1.7	21.2	1,720.0	1000 D
240	61	1.7	23.8	2,235.0	1000 D
300	61	2.0	26.9	2,820.0	500 D
400	61	2.0	29.9	3,575.0	500 D
500	61	2.0	33.2	4,560.0	500 D
630	61	2.4	38.0	5,900.0	500 D

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale



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