



XLPE/PVC ARMoured POWER CABLE



CELEBRATED ENTERPRISE IN CATHODIC PROTECTION

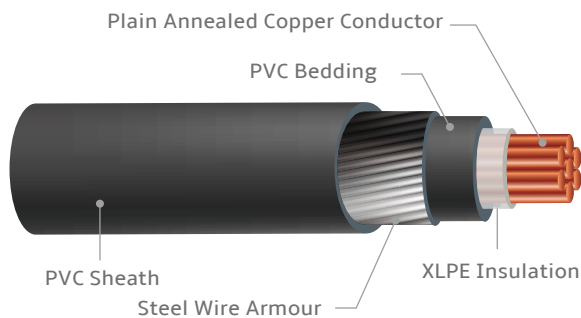


JENNINGS ANODES

XLPE/PVC ARMoured POWER CABLE

DATA SHEET

This electrical cable is crafted with a plain annealed copper conductor, insulated using cross-linked polyethylene (XLPE), further encased in PVC bedding, wrapped with a steel wire armor layer, and ultimately sheathed in an outer PVC layer. The thermoset XLPE insulation boasts remarkable dielectric strength and corrosion resistance, even under high temperatures. Additionally, the extra metallic armor boasts a sturdy construction, providing exceptional shielding from external physical impacts and chemical gas corrosion. Our armored cables ensure uninterrupted electricity flow in the harshest conditions demanding the utmost durability in wiring, thereby enhancing reliability and performance.



APPLICATION

This armored cable is ideally suited for industrial heavy-duty applications, both indoors and outdoors. It stands out as the optimal choice for areas prone to mechanical damage and highly susceptible to erosion. It is particularly suitable for direct burial in rocky terrains or installation in the air, clipped to surfaces, embedded in concrete, or laid within underground ducting.



SPECIFICATIONS

Cross Section	Strand Size	Conductor Diameter	Insulation Thickness	Bedding Thickness	Insulation Thickness	Sheath Thickness	Overall Diameter	D.C. Resistance (@ 20°C)	Current Rating	Net Weight
6 mm ²	7x0.04" (7x1.05 mm)	122 mils (3.1 mm)	27.6 mils (0.7 mm)	31.5 mils (0.8 mm)	35.4 mils (0.9 mm)	59 mils (1.5 mm)	0.43" (11 mm)	3.08 Ω/km	30 A	3.06 oz/ft (285 g/m)
10 mm ²	7x0.05" (7x1.35 mm)	157 mils (4 mm)	27.6 mils (0.7 mm)	31.5 mils (0.8 mm)	35.4 mils (0.9 mm)	59 mils (1.5 mm)	0.47" (11.9 mm)	1.83 Ω/km	42 A	3.82 oz/ft (355 g/m)
16 mm ²	7x0.07" (7x1.72 mm)	201 mils (5.1 mm)	27.6 mils (0.7 mm)	31.5 mils (0.8 mm)	35.4 mils (0.9 mm)	59 mils (1.5 mm)	0.51" (12.9 mm)	1.15 Ω/km	56 A	4.67 oz/ft (435 g/m)
25 mm ²	7x0.08" (7x2.14 mm)	252 mils (6.4 mm)	35.4 mils (0.9 mm)	31.5 mils (0.8 mm)	35.4 mils (0.9 mm)	59 mils (1.5 mm)	0.58" (14.7 mm)	0.73 Ω/km	73 A	6.3 oz/ft (585 g/m)
35 mm ²	7x0.1" (7x2.52 mm)	295 mils (7.5 mm)	35.4 mils (0.9 mm)	31.5 mils (0.8 mm)	35.4 mils (0.9 mm)	59 mils (1.5 mm)	0.62" (15.8 mm)	0.52 Ω/km	90 A	7.34 oz/ft (685 g/m)
50 mm ²	7x0.12" (7x2.98 mm)	327 mils (8.3 mm)	39.4 mils (1 mm)	31.5 mils (0.8 mm)	35.4 mils (0.9 mm)	59 mils (1.5 mm)	0.68" (17.3 mm)	0.39 Ω/km	145 A	8.96 oz/ft (835 g/m)
70 mm ²	7x0.1" (14x2.58 mm)	398 mils (10.1 mm)	43.3 mils (1.1 mm)	31.5 mils (0.8 mm)	49.21mils (1.5 mm)	59 mils (1.5 mm)	0.79" (20 mm)	0.27 Ω/km	185 A	11.63 oz/ft (1080 g/m)

Notes: All dimensions and weights are nominal. The parameter provided is subject to variation in material compositions and Jennings Anodes foundry tolerance.



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