

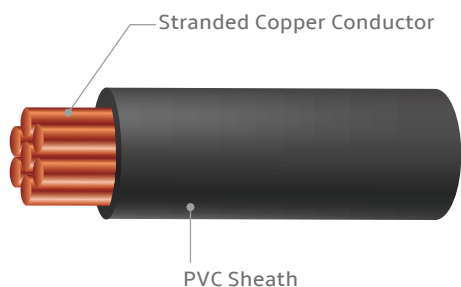


HIGH MOLECULAR WEIGHT POLYETHENE (HMWPE) INSULATED CABLE

PRODUCT DATA SHEET

HIGH MOLECULAR WEIGHT POLYETHYLENE (HMWPE) INSULATED CABLE

HMWPE cable utilizes stranded copper conductors that are insulated with a high molecular weight polyethylene (HMWPE) compound. It provides strong resistance to abrasion, crushing, chemicals, oil, moisture, and other elements.



PRACTICAL APPLICATION

HMWPE cable is used in a range of infrastructure projects that include municipal water towers, oil containment units, pipelines which are made of steel, oil drilling rigs, cathodic protection wells which contain the anodes, bridges, parking garages, municipal fire hydrants, and concrete structures. HMWPE cable is ideal for connecting the cathode, the structure to be protected, and the anode, the sacrificial component in an impressed current cathodic protection system.



SPECIFICATIONS

Cross Section	Strand Qty	Conductor Diameter	Insulation Thickness	Overall Diameter	D.C. Resistance (@ 20°C)	Current Rating	Net Weight
2.5 mm ²	7	1.70mm	2.8mm	7.7mm	7.41 Ω/km	18 A	70 kg/km
4 mm ²	7	2.20mm	2.8mm	8.2mm	4.63 Ω/km	24 A	90 kg/km
6 mm ²	7	1.04mm	2.8mm	8.8mm	3.08 Ω/km	30 A	120 kg/km
10 mm ²	7	1.35mm	2.8mm	9.7mm	1.83 Ω/km	42 A	146 kg/km
16 mm ²	7	1.70mm	2.8mm	10.7mm	1.15 Ω/km	56 A	171 kg/km
25 mm ²	7	2.14mm	2.8mm	12.1mm	0.727 Ω/km	73 A	249 kg/km
35 mm ²	7	2.52mm	2.8mm	13.2mm	0.524 Ω/km	90 A	374 kg/km
50 mm ²	19	1.78mm	3.18mm	15.3mm	0.387 Ω/km	145 A	464 kg/km
70 mm ²	19	2.14mm	3.18mm	17.1mm	0.268 Ω/km	185 A	782 kg/km





Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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