

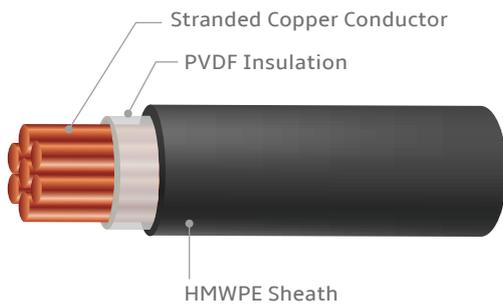


# PVDF/HMWPE DUAL-INSULATED POWER CABLE

PRODUCT DATA SHEET

# PVDF/HMWPE DUAL-INSULATED POWER CABLE

This cable is composed of stranded copper wire covered by two layers of insulation. The outer jacket is made from high molecular weight polyethylene. The inner insulation is composed of PVDF fluorocopolymer. This material is resistant to water intrusion, and is not affected by most organic or inorganic substances. It is used as direct earth burial DC feeder cable in impressed current cathodic protection systems.



## PRACTICAL APPLICATION

PVDF/HMWPE cable is designed for making anode lead connections in a wide range of environments. Due to its dual insulation construction, it can be installed directly in native soils or submerged in fresh, brackish or salt waters. The cable is ideal for deep anode bed installations where chlorine and hydrogen gases are generated. It is also highly resistant to notch propagation.

## SPECIFICATIONS

Cross Section	Strand Qty	Conductor Diameter	Insulation Thickness	Sheath Thickness	Overall Diameter	D.C. Resistance (@ 20°C)	Current Rating	Net Weight
6 mm <sup>2</sup>	7	1.04mm	0.65mm	1.65 mm	7.7mm	3.08 Ω/km	30 A	96 kg/km
10 mm <sup>2</sup>	7	1.35mm	0.65mm	1.65 mm	8.7mm	1.83 Ω/km	42 A	135 kg/km
16 mm <sup>2</sup>	7	1.70mm	0.65mm	1.65 mm	9.8mm	1.15 Ω/km	56 A	197 kg/km
25 mm <sup>2</sup>	7	2.14mm	0.65mm	1.65 mm	11.0mm	0.727 Ω/km	73 A	312 kg/km
35 mm <sup>2</sup>	7	2.52mm	0.65mm	1.65 mm	12.1mm	0.524 Ω/km	90 A	398 kg/km
50 mm <sup>2</sup>	19	1.78mm	0.65mm	1.65 mm	12.4mm	0.387 Ω/km	145 A	541 kg/km





## Industrial Corrosion Control Solutions Provider

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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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