



PVDF/HMWPE Cable

The quality of the cable is extremely important for the efficiency of cathodic protection system, especially the anode cables. Commonly use cathodic protection cables are PVDF/HMWPE, XLPE/PVC, THHN, HMWPE etc. Cables used for cathodic protection systems must be highly corrosion resistant and capable of withstanding adverse environments to which they are exposed.

The PVDF/HMWPE cable is composed of stranded copper wire covered by two layers of insulation. The outer insulation layer or protective jacket is made from High Molecular Weight Polyethylene (HMWPE). The inner or primary insulation is composed of PVDF fluorocopolymer.

YUXI 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.

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FEATURES

- ▶ High resistant to water intrusion
- ▶ High resistant to most organic substances
- ▶ Excellent dielectric and tensile strength
- ▶ Good mechanical protection

SPECIFICATIONS

Size	Strands	Insulation Thickness	Jacket Thickness	Nominal Overall Diameter	DC at 20°C	Approx. shipping Weight	Maximum Current Rating
mm ²	No.	mm	mm	mm	Ohm/km	Kg/km	Amps.
6	7	0.65	1.65	7.7	3.08	96	30
10	7	0.65	1.65	8.7	1.83	135	42
16	7	0.65	1.65	9.8	1.15	197	56
25	7	0.65	1.65	11	0.727	312	73
35	7	0.65	1.65	12.1	0.524	398	90
50	19	0.65	1.65	12.4	0.387	541	145