



XLPE/PVC 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.

XLPE/PVC cable is the most common used cable in cathodic protection systems. It is composed of copper core covered with XLPE Insulation layer which has very good electrical, mechanical and thermal characteristics in medium voltage networks. This type of insulation has excellent chemical resistance and is also resistant to cold temperatures. The jacket layer is made of PVC material which double enhance its dielectric, water and fire proof and abrasion resistance ability.

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- ▶ Underground soil
- ▶ Indoor
- ▶ Tunnel
- ▶ Urban power grid
- ▶ Most cathodic protection systems



FEATURES

- ▶ Rated voltage: 0.6/1kV
- ▶ Maximum Conductor Temperature: under normal (90°C), emergency (130°C)
- ▶ Min. Ambient Temp. 0 OC, after installation and only when cable is in a fixed position
- ▶ Min. Bending Radius:
 - 20 x cable O.D for single core
 - 15 x cable O.D for multi core

SPECIFICATIONS

Size	Strands	Copper Wire Thickness	Insulation Thickness	Jacket Thickness	Nominal Overall Diameter	DC at 20°C	Approx. shipping Weight	Maximum Current Rating
mm ²	No.	mm	mm	mm	mm	Ohm/km	Kg/km	Amps.
6	7	1.04	0.7	1.4	7.3	3.08	96	30
10	7	1.35	0.7	1.4	8.2	1.83	142	42
16	7	1.7	0.7	1.4	9.3	1.15	205	56
25	7	2.14	0.9	1.4	11	0.727	303	73
35	7	2.52	0.9	1.4	12.1	0.524	402	90
50	7	2.98	1.0	1.4	13.1	0.387	547	145
70	14	2.58	1.1	1.4	15.1	0.268	746	185