

Corrpro Canada Inc.
 10848 214 Street
 Edmonton, AB T5S 2A7
 Tel: 780-447-4565

Cathodic Protection Cable

Cable Construction

Conductors larger than 8 AWG are compact round stranded copper. 8 AWG conductors are compressed stranded copper, in accordance with applicable CSA and ASTM standards.

Black insulation is medium density polyethylene, in accordance with ASTM Specification D1248, Type II, Class C, Category 4, Grade J4 and E9.

Colored insulation is medium density polyethylene, in accordance with ASTM Insulation color is black for positive (anode) cables. Colors are as specified for negative (cathode) cables.

Maximum conductor temperature rating is 75 °C.

Identification

Standard product identification includes:

- manufacturers plant code
- year of manufacture
- conductor size
- Sequential length in metres
- CORRPRO "MDPE CATHODIC PROTECTION CABLE"

Construction characteristics

-Conductor material Copper

Electrical characteristics

-Rated Voltage U₀/U (U_m) 600 V

Usage characteristics

-Maximum operating temperature 75C

Cathodic Protection Cable Design							
Cable Type:	Conductor:	Conductor:	Conductor	Insulation	Approx.	Cable	DC Resistance
	Size	No. of	Diameter	Thickness	Diameter	Weight	AT 20°C
	(AWG)	Wires	(mm)	(mm)	(mm)	(kg/km)	(ohm/km)
Negative (Cathode)	8	7	3.61	1.60	6.9	105	2.100
Negative (Cathode)	6	7	4.24	1.60	7.6	150	1.320
Negative (Cathode)	4	7	5.36	1.60	8.6	230	0.830
Negative (Cathode)	2	7	6.76	1.60	10.2	350	0.529
Negative (Cathode)	1/0	18	8.53	1.60	11.9	530	0.328
Positive (Anode)	8	7	3.61	2.77	9.1	120	2.100
Positive (Anode)	6	7	4.24	2.77	9.9	190	1.320
Positive (Anode)	4	7	5.36	2.77	11.2	260	0.830
Positive (Anode)	2	7	6.76	2.77	12.4	390	0.529
Positive (Anode)	1/0	18	8.53	3.18	15.0	605	0.328
Positive (Anode)	2/0	18	9.55	3.18	16.0	740	0.261
Positive (Anode)	4/0	18	12.07	3.18	18.5	1100	0.164