



APPLICABLE STANDARDS AND TESTS

- ✓ ASTM B-1, B-3, B-8, B-33, B-172, and B-173 for soft drawn annealed copper conductors
- ✓ ASTM D1248, D-638, D-639, D-792, D-257
- ✓ NEMA WC-5, ICEA S-61-402
- ✓ CEA S-95-658/NEMA WC70, IEC 60502 for HMWPE
- ✓ UL 1581 and UL 2556.
- ✓ Spark tested at 7500 VAC

VALUE ADD SERVICE

- ✓ Custom lengths and put-ups
- ✓ 12 available colors
- ✓ Wire paralleling and cabling
- ✓ One Pull bundled wire solution
- ✓ Wire striping
- ✓ Custom print legends and labels

SCOPE

Single conductor cathodic protection cable is designed to withstand corrosive gases and brackish water conditions. It is used for direct earth burial DC feeder cable for cathodic protection systems, tanks, pipelines, wells, ocean vessels, and metal structures buried or water submerged.

CONSTRUCTION

Conductors: Solid or stranded, annealed or hard, uncoated or coated copper per UL83 and ASTM requirements.

Insulation: Concentrically applied homogeneous layer of ECTFE (often referred to as Halar®) and jacketed by black, sunlight resistant, HMWPE (high molecular weight polyethylene), Type I, Class C, Cat 4, and Grades E4-E5. Types II, III, IV, (MDPE, HDPE,) and Cat 5 are available. Rated at 75°C, 600 volts.

IDENTIFICATION AND PACKAGING

The wire may be identified by surface marking, the manufacturer, and AWG size. Long length bulk reels are standard.

Custom lengths, non-standard colors, AWG, and custom packaging are available by request.

AWG	Breaking Pounds soft/hard	Bending Radius (inches)	Insulation Thickness (Inches) 30/600V	Nominal Overall Diameter – Inches	Nominal DC Resistance OHM/1000 ft @ 20°C	Nominal DC Resistance OHM/1000 ft @ 20°C	Nominal DC Resistance OHM/1000 ft @ 20°C	Approx. Shipping Weight (Lbs/ Mft)
8	7	132	1.28	0.020	0.065	0.32	98	0.653
6	7	210	1.40	0.020	0.065	0.35	115	0.411
4	7	333	1.68	0.020	0.065	0.42	167	0.258
2	7	530	1.84	0.020	0.065	0.46	251	0.162
1	19	670	2.00	0.020	0.065	0.50	311	0.129
1/0	19	845	2.36	0.020	0.065	0.56	373	0.102
2/0	19	1000	2.50	0.020	0.065	0.59	500	0.081
3/0	19	1187	2.74	0.020	0.065	0.64	609	0.064
4/0	19	1399	3.00	0.020	0.065	0.70	752	0.051



SNAP FOR MORE INFORMATION