

# CATHODIC PROTECTION CABLE



## APPLICABLE TESTS AND STANDARDS

- ✓ ASTM B-1, B-3, B-8 AND B-33
- ✓ UL 1581
- ✓ ICEA S-95-658/NEMA WC70

## FEATURES

- ✓ 600V RATED
- ✓ DIRECT BURIAL RATED
- ✓ 75°C MAX CONTINUING OPERATING TEMPERATURE IN WET OR DRY LOCATIONS

## PRINT LEGEND

- ✓ KRIS-TECH WIRE CO. #XX AWG HMWPE CATHODIC PROTECTION CABLE

## VALUE ADD SERVICE

- ✓ CUSTOM LENGTHS AND PUT-UPS
- ✓ 12 AVAILABLE COLORS
- ✓ WIRE PARALLELING AND CABLING
- ✓ WIRE STRIPING
- ✓ CUSTOM PRINT LEGENDS AND LABELS



**SNAP FOR MORE INFORMATION**

## SCOPE

Cathodic protection cable helps prevent rust on mechanical equipment and exposed metal structures, including storage tanks, pipelines, wells, offshore oil platforms, subsea equipment, and ocean vessels.

## CONSTRUCTION

**Conductors:** Single conductors are solid or stranded, annealed or hardened uncoated copper.

**Insulation:** Conductors are insulated with a concentrically applied HMWPE (high molecular weight polyethylene).

LLDPE (linear low density polyethylene) is standard and HDPE (high density polyethylene) is available on request.

## IDENTIFICATION AND PACKAGING

Print legends on the wire shall include the manufacturer, conductor size, voltage rating, UL symbol (if applicable) and type designation. Standard length spools are 500 or 2500 feet.

### Solid CPC Wire

AWG	Standard Number of Strands	Bending Radius (Inches)	Insulation Thickness (Mils)	Nominal Overall Diameter (Inches)	Approx. Shipping Weight (Lbs./1000')	Nominal DC Resistance @ 20°C (Ω/1000')	Ampacity @ 75°C*
12	1	1.20	110	0.30	46	1.650	25
10	1	1.29	110	0.32	61	1.039	35
8	1	1.39	110	0.35	83	0.654	50

\*Ampacity is from NEC Article 310. Check with local codes authority for guidance with your application.

### Stranded CPC Wire

AWG	Standard Number of Strands	Bending Radius (Inches)	Insulation Thickness (Mils)	Nominal Overall Diameter (Inches)	Approx. Shipping Weight (Lbs./1000')	Nominal DC Resistance @ 20°C (Ω/1000')	Ampacity @ 75°C*
14	7	1.17	110	0.29	38	2.624	20
12	7	1.25	110	0.31	48	1.650	25
10	7	1.34	110	0.34	63	1.039	35
8	7	1.46	110	0.37	86	0.654	50
6	7	1.61	110	0.40	121	0.411	65
4	7	1.81	110	0.45	176	0.259	85
2	7	2.05	110	0.51	260	0.163	115
1	19	2.33	125	0.58	329	0.129	130
1/0	19	2.49	125	0.62	404	0.102	150
2/0	19	2.68	125	0.67	496	0.081	175
3/0	19	2.88	125	0.72	608	0.064	200
4/0	19	3.11	125	0.78	755	0.051	230
250	37	3.42	140	0.86	897	0.043	255
350	37	3.85	140	0.96	1227	0.031	285
500	37	6.73	155	1.12	1736	0.022	380

\*Ampacity is from NEC Article 310. Check with local codes authority for guidance with your application.