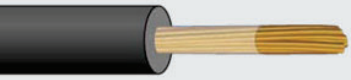
KRIS-TECH PRODUCT SPECIFICATIONS

CPC KYNAR



MADE IN U. S. A. | UL LISTED | RoHS COMPLIANT

APPLICABLE TESTS AND STANDARDS

- ✓ ASTM B-1, B-3, B-8 AND B-33
- ✓ 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 PVDF/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

This single-conductor cathodic protection cable can withstand corrosive gases and brackish water. It is a direct earth burial DC feeder cable designed to prevent rust on 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 PVDF (often referred to as Kynar®).

Jacket: Conductors are jacketed with a concentrically applied black HMWPE (high molecular weight polyethylene).

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

AWG	Standard Number of Strands	Bending Radius (Inches)	Insulation Thickness (Mils)	Jacket Thickness (Mils)	Nominal Overall Diameter (Inches)	Approx. Shipping Weight (Lbs/1000')	Nominal DC Resistance @ 20°C (Ω/1000')
14	7	0.97	20	65	0.24	32	2.624
12	7	1.05	20	65	0.26	41	1.650
10	1, 7	1.09 / 1.14	20	65	0.27 / 0.29	55 / 56	1.039
8	7	1.26	20	65	0.32	79	0.654
6	7	1.41	20	65	0.35	114	0.411
4	7	1.61	20	65	0.40	168	0.259
2	7	1.85	20	65	0.46	252	0.163
1	19	2.01	20	65	0.50	310	0.129
1/0	19	2.17	20	65	0.54	383	0.102
2/0	19	2.36	20	65	0.59	475	0.081
3/0	19	2.56	20	65	0.64	585	0.064