



Kris-Tech Wire Co.

Kynar®/HMWPE Cathodic Protection Cable



Scope:

Single conductor cathodic protection cable can 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.



Applicable Standards and Tests:

ASTM B-1, B-3, B-8, B-33, B-172 and B-173, ASTM D1248, D-638, D-792, D-257, NEMA WC-5, ICEA S-61-402, IEC 60502, UL 83, UL 1581, and UL 2556. All products are spark tested at 7500 VAC unless otherwise specified.



Construction:

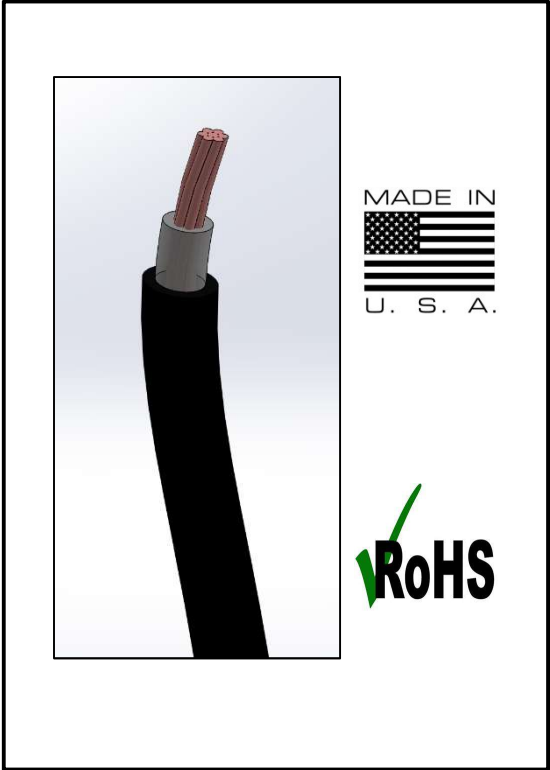
Conductors: The single copper conductors are solid or stranded annealed or hard uncoated or coated copper.

Insulation: Homogeneous, concentrically applied PVDF insulation (often referred to as KYNAR®) and black, sunlight resistant HMWPE (high molecular weight polyethylene) jacket. Type I, Class C, Cat 4, and Grades E4-E5. Types II, III, and IV, (MDPE, HDPE,) are available. Rated at 75°C, 600V.

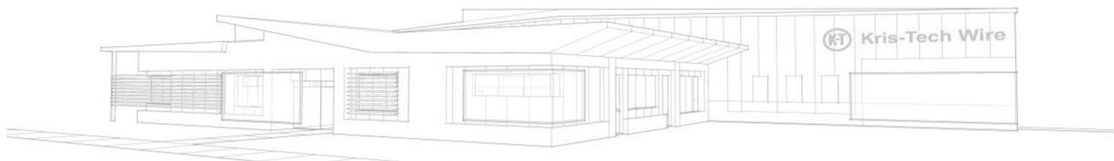


Identification and Packaging:

The wire shall be identified by surface marking indicating the manufacturer and AWG size. UL listed products will be identified and surface printed in accordance with the UL requirements. Long length bulk reels are standard. Custom lengths, non-standard colors, AWG and custom packaging are available by request.



AWG	Standard Number of Strands	Insulation Thickness (inches)	Jacket Thickness (inches)	Nominal Overall Diameter – Inches (standard strands)	Approx. Shipping Weight (Lbs/Mft)	Nominal DC Resistance OHM/1000 ft @ 20°C
14	7	0.020	0.065	0.24	-	2.624
12	7	0.020	0.065	0.26	-	1.650
10	7	0.020	0.065	0.28	-	1.038
8	7	0.020	0.065	0.32	99	0.653
6	7	0.020	0.065	0.35	116	0.411
4	7	0.020	0.065	0.42	168	0.258
2	7	0.020	0.065	0.46	252	0.162
1	19	0.020	0.065	0.50	312	0.129
1/0	19	0.020	0.065	0.59	374	0.102



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Spec: PVDF 2065 CPC
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