



### 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, ICEA S-95-658/NEMA WC70
- ✓ UL 83, UL 1581, and UL 2556.
- ✓ Spark tested at 7500 VAC

### PRINT WHEEL

- ✓ Kris-Tech Wire Co. #XX AWG PVDF/HMWPE irradiated cathodic protection cable

### 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 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.

### 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                     | 0.55   | 374                               | 0.102                                    |
| 2/0 | 19                         | 0.020                         | 0.065                     | 0.59   | 482                               | 0.081                                    |
| 3/0 | 19                         | 0.020                         | 0.065                     | 0.64   | 601                               | 0.064                                    |
| 4/0 | 19                         | 0.020                         | 0.065                     | 0.70   | 740                               | 0.051                                    |



**SNAP FOR MORE INFORMATION**