

PRODUCT DESCRIPTION

The dual extrusion HALAR/HMWPE cable is designed to prevent cable insulation failures due to corrosive gases and brackish water, which are especially frequent in deep anode beds. The inner layer of insulation is made of HALAR (fluoropolymer) that has an exceptional chemical resistance, and an outer layer made from high molecular weight polyethylene (HMWPE) that provides mechanical protection to the cable, which makes it suitable for deep anode lead wires and other cathodic protection applications.

MAIN FEATURES

- **Conductor:**
Stranded, annealed, compressed, uncoated copper conductor (ASTM B-3 and B-8)
- **Insulation:**
First layer of fluoropolymer (HALAR) - rated from -80°F to 250°F
Second layer of high molecular weight polyethylene (HMWPE) – ASTM D 1248 Type I, Class C, Category 4, and Grades E4-E5. Rated at 75°C, 600 volts.
- **Testing:**
According to ICEA S-61-402, Part 6
- **Applications:**
Provide cathodic protection to Oil & Gas pipelines, piers and piles, bridges, well casings, elevated water tanks, railway rails, storage tanks, vessels. It can be directly installed in soils or submerged in fresh, brackish, or salt waters. It is ideal for deep anode bed applications.
- **Applicable standards:**
ASTM B-1, B-3, B-8
ASTM D1248
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 V AC
- **Identification:**
The wire may be identified by surface marking with the conductor AWG size, the manufacturer, and the statement “HALAR/HMWPE cathodic protection cable”.
- **Origin:**
Made in U.S.A.



SHIPPING

Shipping lengths will be as specified in the order form. Packaging will be in accordance with standard business practices.

AWG	STANDARD NUMBER OF STRANDS	MAXIMUM PULLING TENSION (POUNDS)	BENDING RADIUS (INCHES)	HALAR THICKNESS (INCHES)	HMWPE THICKNESS (INCHES)	NOMINAL OVERALL DIAMETER (INCHES)	APPROX. SHIPPING WEIGHT (LBS./MFT.)	NOMINAL DC RESISTANCE OHM/1000 FT. @ 20°C
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

WARRANTY AND LIMITATION OF LIABILITY

TECNOLOGIA TOTAL will not be in any case responsible for damages of any nature that could be derived from an inadequate use of the product. Before using the product, the user must determine if the product is suitable for its intended use, taking all risks and liability that could be derived from its use.

If it's proved that a product is faulty due to manufacturing or its material at the time of sale, or that it does not fulfill during its warranty period the indicated properties in this technical sheet, the only responsibility of TECNOLOGIA TOTAL will consist of replacing the buyer with the quantity of product that is found to be defective. TECNOLOGIA TOTAL does not take any responsibility for any additional cost such as manufacturing cost, withdrawal or re-application of the products. If TECNOLOGIA TOTAL offers a warranty to their clients, express or implicit, or a compensation that differs from the established in this section, this stipulation can not be altered unless a signed agreement by the parties.

