

PE Tracer Wire

Scope:

Single conductor copper, high molecular weight polyethylene (HMWPE) insulated tracer/locator wire. HMWPE is a rugged and durable material considered excellent for moisture and abrasion resistance. This product is suitable for continuous service in direct burial, wet and dry locations, 75°C. Designed to carry an electrical signal for use in locating underground non-metallic pipe. Versions available in 30 volt, 600 volt.



Applicable Standards and Tests:

- ASTM B-1, B-3, B-8 for Copper conductors
- ASTM D-1248 for Polyethylene
- ICEA S-70-547, ICEA S-61-402/NEMA WC5 and ICEA S-95-658/NEMA WC70 for cable construction
- UL 83, UL 1581 for tests and procedures
- Spark tested at 7500 VAC



Construction:

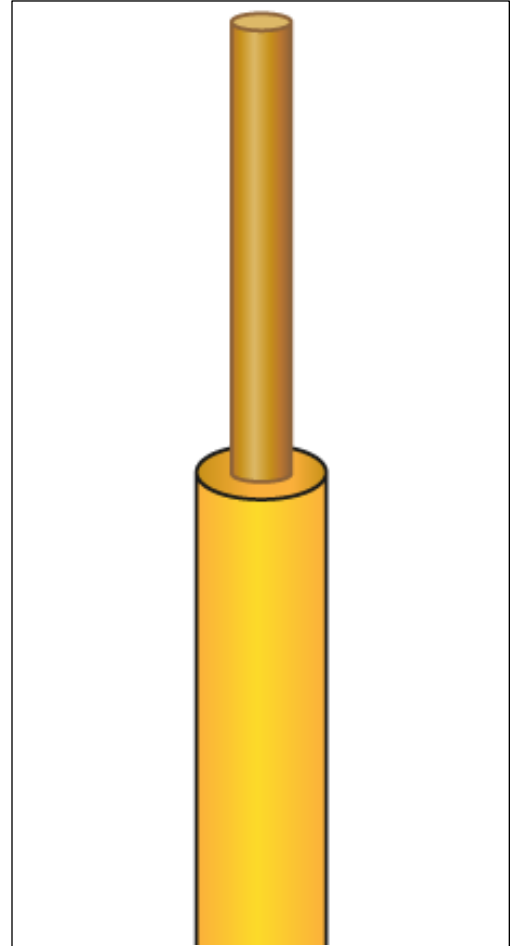
Conductors: The single copper conductors shall be solid or stranded, annealed or hard uncoated copper per UL83 and ASTM requirements.



Insulation: Concentrically applied HMWPE insulation in accordance with UL83. LLDPE is standard and HDPE is available upon request.

Identification and Packaging:

Custom and standard print legends are available. 500 ft/spl. packed 4/box, or 2500 ft/spl spools are standard and packaged and labeled with product name, description, AWG, and manufacturer. Custom lengths, non-standard colors, Sunlight Resistance, AWG and custom packaging are available by request.



AWG	Breaking Pounds soft/hard	Bending Radius (inches)	Insulation Thickness (Inches) 30/600V	Nominal Overall Diameter – Inches	Nominal DC Resistance OHM/1000 ft @ 20°C	Approx. Shipping Weight (Lbs/Mft)
18	47/85	0.60	0.030 / 0.045	0.10 / 0.13	6.660	8 / 9
16	74/135	0.68	0.030 / 0.045	0.11 / 0.14	4.180	12 / 14
14	124/210	0.72	0.030 / 0.045	0.12 / 0.15	2.624	18 / 20
12	198/340	0.80	0.030 / 0.045	0.14 / 0.17	1.650	27 / 30
10	310/530	0.88	0.030 / 0.045	0.16 / 0.19	1.038	40 / 43
8	480/820	1.00	0.030 / 0.045	0.20 / 0.23	0.653	60 / 64
6	760/1280	1.25	0.030 / 0.045	0.22 / 0.25	0.411	92 / 97
4	1180/1300	1.45	0.030 / 0.045	0.26 / 0.29	0.258	138 / 144