

Tracer Wire

Plainsman understands the importance of a quality tracer wire. That is why we recommend a pure copper wire that is annealed for ease of use and protected with a .03" to .045" thick polyethylene jacket. For the tougher jobs that require more strength go with an annealed copper clad that doesn't spring off the reel. Plainsman's tracer wire is easy to handle and has almost twice the strength of a copper line. For directional drilling applications we recommend our **EHS Wire**, which is more than 6 times the strength of a copper line.

100 % COPPER TRACER WIRE with .045" Polyethylene Jacket

Features

- Insulated with high molecular weight polyethylene (HMWPE) specifically for use in direct burial applications.
- HMWPE is a rugged and durable material considered excellent for moisture and abrasion resistance.
- Manufactured according to Underwriters Laboratory constructions in both 30 volt and 600 volt versions suitable for use at a maximum continuous operating temperature of 75 °C in wet and dry locations.

COPPER CLAD STEEL TRACER WIRE with .045" Polyethylene Jacket

Features

- Combines the high strength of steel with the electrical and corrosion resistant properties of copper.
- Insulated with high molecular weight polyethylene (HMWPE).
- HMWPE is a rugged and durable material considered excellent for moisture and abrasion resistance which produces a product designed for direct burial use in wet or dry locations.
- Manufactured and tested according to industry standards for metal conductors and extruded insulation coatings as specified by UL and ASTM.



STOCK ITEMS					
Type	AWG	Insulation Thickness	spool size M[ft]	Strenth in lbs	Nominal O.D.
Soft* Copper	14	0.045	152[500]/762[2500]	124	.154"
Soft* Copper	12	0.045	1000[3281]	198	.171"
Soft* Copper Clad	14	0.045	762[2500]	487	.154"
Soft* Copper Clad	12	0.045	300[984]	696	.171"

100 % Copper Tracer Wire with .030"/.045" Polyethylene Jacket Technical Info

AWG	STRENGTH IN LBS	INSULATION THICKNESS		NOMINAL OVERALL DIAMETER		SPOOL SIZE (M[FT])	
	SOFT*	30 V	600 V	30 V	600 V	152[500]	762[2500]
14	124	.030"	.045"	.124"	.154"	152[500]	762[2500]
12	198	.030"	.045"	.141"	.171"	152[500]	762[2500]
10	310	.030"	.045"	.162"	.192"	152[500]	762[2500]
8	480	.030"	.045"	.206"	.236"	152[500]	762[2500]
6	760	.030"	.045"	n/a	.275"	152[500]	762[2500]

Standards:

- 2.1 ASTM B-1, B-3, and B-8 for copper conductors
- 2.2 ASTM D-1248 for Polyethylene Extrusion Materials, ICEA S-70-547 Weatherproof Resistant Polyethylene Conductors, ICEA S-61-402 /NEMA WC5 Thermoplastic Insulated Wire&Cable, ICEA S-95-658/NEMA WC70 Non-Shielded 0 – 2kv Cables
- 2.3 UL 1581 Standard for Electrical Wires, Cables, and Flexible Cords

Copper Clad Steel Tracer Wire with .030"/.045" Polyethylene Jacket Technical Info

AWG	STRENGTH IN LBS			INSULATION THICKNESS		NOMINAL OVERALL DIAMETER		SPOOL SIZE (M[FT])	
	SOFT*	HARD	EXTRA HARD	30 V	600 V	30 V	600 V	152[500]	762[2500]
14	170	250	n/a	.030"	.045"	.124"	.154"	152[500]	762[2500]
12	256	380	1150	.030"	.045"	.141"	.171"	152[500]	762[2500]
10	407	575	1804	.030"	.045"	.162"	.192"	152[500]	762[2500]
8	648	886	2586	.030"	.045"	1.88"	.218"	152[500]	762[2500]

Standards-

- 2.1 ASTM B-227-04, B-869-02, B910/B-910M-06 all for Copper Clad Steel
- 2.2 ASTM D-1248 for Polyethylene Extrusion Materials, ICEA S-70-547 Weatherproof Resistant Polyethylene Conductors, ICEA S-61-402/ NEMA WC5 Thermoplastic Insulated Wire&Cable, ICEA S-95-658/NEMA WC70 Non-Shielded 0 – 2kv Cables
- 2.3 UL 83 Standard for Thermoplastic Insulating, UL 1581 Reference Standard for Electrical Wires

Ordering Information:

1. Type of Wire required (Copper or Copper Clad)
2. Gauge of wire required
3. Length of wire required
4. Length per spool required

* The copper is annealed to increase the flexibility and reduce the brittleness

Non-standard colors and custom packaging are available by quotation

