

Copper Tracer Wire • 30 Volts • Oxygen Free Copper Conductor • Dead Soft Annealed High Molecular Weight Polyethylene (HMWPE) Insulation • Direct Burial Rated Moisture, Chemical, Oil, and Sunlight Resistant • Impact, Crush, and Abrasion Resistant RoHS Compliant • Made in the USA



Applications and Information

- Pro-Line **Type CU HDPE 30 MIL** conductors are used for tracer wire applications not exceeding 30 Volts. Tracer wire is used to conductively locate buried utility lines for the gas, water, sewer, telecommunication, and electrical markets.
- When used as **Type CU HDPE 30 MIL**, conductor is suitable for use direct burial applications not locations at temperatures not to exceed 75°C.
- Tracer wire is RoHS Compliant and manufactured in the USA.

Standards and References

Pro-Line **Type CU HDPE 30 MIL** conductors meets or exceeds all applicable ASTM specifications, requirements of the National Electrical Code.

- ASTM B-3: Standard Specification for Soft or Annealed Copper Wire
- ASTM B170: Standard Specification for Oxygen-Free Electrolytic Copper
- ASTM D1248: Standard Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable
- ASTM D1238: Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer

Construction

- Pro-Line **Type CU HDPE 30 MIL** copper conductors are annealed copper (soft drawn), insulated with a high-density, high molecular weight polyethylene (HDPE) insulation. HDPE provides an excellent balance of surface smoothness, processing ease and electrical consistency. HDPE provides superior strength against underground elements that help prevent accidental breaks caused by rocks in shifting soil conditions.
- Available in black, blue, green, orange, purple, red, white, and yellow. Some colors standard, some subject to economic order quantity.

Specifications

TYPE: CU HDPE 30 MIL TRACER WIRE

Tracer wire shall be a (14, 12 or 10 AWG SOLID HDPE 30 MIL) copper conductor with a 30 mil thick, high-density, high molecular weight polyethylene (HDPE) insulation and rated for 30 volts. Insulation and jacket shall be RoHS compliant and utilize virgin grade material. Insulation color shall meet the APWA color code standard for identification of buried utilities. Tracer wire shall be **Pro-Line Safety Products** or approved equal and made in the USA.

CU HDPE 30 MIL Tracer Wire (Weights, Measurements, and Packaging)

TRACER WIRE

WEIGHTS, MEASUREMENTS AND PACKAGING							
PRODUCT PART NO.	CONDUCTOR		INSULATION THICKNESS (HDPE)	NOMINAL O.D. (inches)	APPROX. WEIGHT PER 1,000 FT (lbs)		STANDARD PACKAGES
	SIZE (AWG)	STRANDING			COPPER WEIGHT/MFT	PRODUCT WEIGHT/MFT	
CU HDPE 30 MIL (SOLID) TRACER WIRE							
74003XXXX	14 AWG	SOLID	0.030" (30 MIL)	0.127"	12.400 lbs	16.125 lbs	32, 47
74004XXXX	12 AWG	SOLID	0.030" (30 MIL)	0.144"	19.500 lbs	23.800 lbs	32, 47
74005XXXX	10 AWG	SOLID	0.030" (30 MIL)	0.165"	30.996 lbs	37.900 lbs	32, 47
74006XXXX	8 AWG	SOLID	0.030" (30 MIL)	0.189"	49.975 lbs	59.000 lbs	32, 47
CU HDPE 30 MIL (STRANDED) TRACER WIRE							
74008XXXX	14 AWG	7-STRAND	0.030" (30 MIL)	0.133"	12.600 lbs	16.700 lbs	32, 47
74010XXXX	12 AWG	7-STRAND	0.030" (30 MIL)	0.152"	19.600 lbs	24.760 lbs	32, 47
74012XXXX	10 AWG	7-STRAND	0.030" (30 MIL)	0.176"	31.136 lbs	37.500 lbs	32, 47
74014XXXX	8 AWG	7-STRAND	0.030" (30 MIL)	0.206"	49.824 lbs	61.060 lbs	32, 47

PART # DESIGNATION (AWG & COLOR)				
COLOR	14 AWG SOLID	12 AWG SOLID	10 AWG SOLID	8 AWG SOLID
BLACK	7400301xx	7400401xx	7400501xx	7400601xx
BLUE	7400302xx	7400402xx	7400502xx	7400602xx
GREEN	7400305xx	7400405xx	7400505xx	7400605xx
ORANGE	7400306xx	7400406xx	7400506xx	7400606xx
PURPLE	7400308xx	7400408xx	7400508xx	7400608xx
RED	7400309xx	7400409xx	7400509xx	7400609xx
WHITE	7400311xx	7400411xx	7400511xx	7400611xx
YELLOW	7400312xx	7400412xx	7400512xx	7400612xx
COLOR	14 AWG STRND	12 AWG STRND	10 AWG STRND	8 AWG STRND
BLACK	7400801xx	7401001xx	7401201xx	7401401xx
BLUE	7400802xx	7401002xx	7401202xx	7401402xx
GREEN	7400805xx	7401005xx	7401205xx	7401405xx
ORANGE	7400806xx	7401006xx	7401206xx	7401406xx
PURPLE	7400808xx	7401008xx	7401208xx	7401408xx
RED	7400809xx	7401009xx	7401209xx	7401409xx
WHITE	7400811xx	7401011xx	7401211xx	7401411xx
YELLOW	7400812xx	7401012xx	7401212xx	7401412xx

PART # DESIGNATION (PACKAGE SIZE)			
SIZE	PACKAGING	TYPE	PART NO.
14 AWG SOLID	4 x 500 FT REEL	CARTON	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
12 AWG SOLID	4 x 500 FT REEL	CARTON	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
10 AWG SOLID	2 x 500 FT REEL	CARTON	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
8 AWG SOLID	1 x 500 FT REEL	BULK REEL	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
14 AWG STRANDED	4 x 500 FT REEL	CARTON	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
12 AWG STRANDED	4 x 500 FT REEL	CARTON	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
10 AWG STRANDED	2 x 500 FT REEL	CARTON	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47
8 AWG STRANDED	1 x 500 FT REEL	BULK REEL	xxxxxxx 32
	1 x 2500 FT REEL	BULK REEL	xxxxxxx 47



PRO-LINE SAFETY PRODUCTS COMPANY
1099 ATLANTIC DRIVE, UNIT 1 • WEST CHICAGO, IL 60185
TOLL FREE: 800.554.3424



CU HDPE 30 MIL