



Polyethylene & Pipeline > Location Tracer Wire

Tracer, or locating wire, buried next to non-metallic pipe and conduit (i.e. thermoplastic gas pipelines), allows line detection with conventional equipment.

Design

Copper clad steel (CCS) tracer wire uses a HDPE-insulated copper jacket over a steel core wire for excellent strength and superb conductivity with excellent abrasion resistance. Standard tracer wire also has HDPE insulation, but over a solid copper core.

Construction

The steel core provides strength, while the metallurgically bonded copper jacket provides excellent conductivity. The HDPE sheath offers a resilient, abrasion-resistant covering, ensuring trouble-free installation.

Connectors

Hawkeye offers the following connectors:

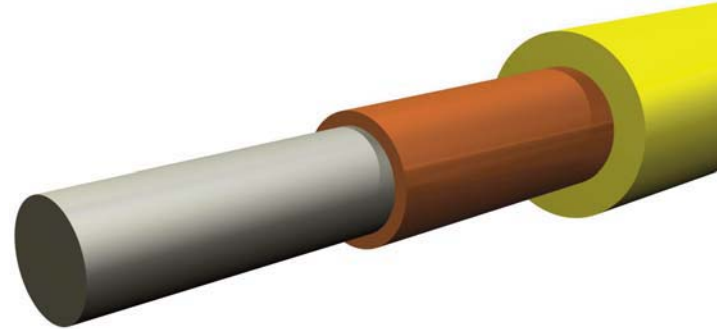
- ▶ Waterproof direct-bury, which can be attached to an existing line without splicing, and seals the connection with silicone.
- ▶ Copper crimp tubes.
- ▶ Flange tap, which connects to a flange lug.
- ▶ Crimp & Shrink, which have integrated heat-shrink tubing seals and protects the joint from the elements following crimping.

Technical References

A summary of our tracer wire tensile testing can be found on our website.

Technical Information

	14 AWG		12 AWG	
	CCS	Solid Cu	CCS	Solid Cu
Conductor	CCS	Solid Cu	CCS	Solid Cu
Insulation	HDPE	HDPE	HDPE	HDPE
Insul. Thickness (in)	0.030	0.030	0.030	0.030
Nom. OD (in)	0.126	0.126	0.142	0.142
Weight / 1000 ft	15.5 lb	16.8 lb	22 lb	25.4 lb
Max Tensile Load	230 lbf	112 lbf	380 lbf	180 lbf
Spool Length	500, 1000 and 2500 ft.			



Above: Copper Clad Steel tracer wire cross-section.
Below: HDPE Jacket wire (yellow) vs. THHN jacket wire (black) from same installation.



Above: Connectors (clockwise from right, Waterproof direct bury, copper, flange tap, and crimp & shrink.)

Ordering Information

Hawkeye Industries offers both copper-clad steel (CCS) and solid copper tracer wire in 12 AWG and 14 AWG.

- 1.) Specify CCS or Standard Tracer Wire
- 2.) Specify Wire Gauge (12 AWG or 14 AWG)
- 3.) Specify Spool Length
- 4.) Specify type and quantity of connectors