Tracer Wire

- Corrosion, heat, moisture, chemical, oil, impact, and abrasion resistant
- RoHS compliant
- Copper and Copper Clad Steel available

Description

Tracer Wire is used to conductively locate buried utility lines in commercial, industrial and residential applications as well as set perimeters for pet fence systems and golf course sprinkler systems.

Frick’s wide selection of Tracer Wire is corrosion resistant and used in applications not exceeding 600 volts and in temperatures ranging from 4°F – 221°F.

Tracer Wire is offered with HDPE or PVC insulation to provide superior strength against underground elements that help prevent accidental breaks caused by rocks in shifting soil conditions.

Copper Clad Steel options offer equal signal strength, flexibility, memory and feel of copper at a lower cost and up to a 7x stronger break load. With such a high break load, you can install 1 copper clad steel wire compared to 2-5 copper wires.

Frick’s Tracer Wires meet or exceed all applicable ASTM specifications and requirements of the National Electrical Code as well as UL Standard 66, UL Standard 83, UL Standard 1063 (MTW) and UL Standard 493. All Tracer Wire is RoHS Compliant..

Multiple colors, gauges (AWG) and lengths available. Ask about custom printing directly to the insulation surface.

	Copper Wire	PRO-TRACE® HF-CCS (High-Flex)	PRO-TRACE® HS-CCS (High-Strength)	PRO-TRACE® HDD-CCS (Extra High-Strength)	Stainless Steel (Type 304)
Applications	Open Trench Directional Boring	Open Trench Directional Boring	Open Trench Directional Boring	Pipe Bursting Directional Boring	Pipe Bursting Directional Boring
Strength Compared to Copper	–	43% Stronger	227% Stronger	700% Stronger	400% Stronger
Signal Strength Compared to Copper	–	Equal	Equal	Equal	Poor
Corrosion Resistant	Yes	Yes	Yes	Yes	Yes
Theft Value	$$$	Non	Non	Non	Non
Other	Flexible	Flexible Virtually No Spring Release	–	Strongest Wire Only 1 Wire Needed Eliminates Re-Boring	Very Flexible Only 1 Wire Needed Eliminates Re-Boring

	Measurements	Copper Wire		PRO-TRACE® HF-CCS		PRO-TRACE® HS-CCS		PRO-TRACE® HDD-CCS		Stainless Steel	
	O.D. (in)	Tensile (psi)	Breakload (lbs)	Tensile (psi)	Breakload (lbs)	Tensile (psi)	Breakload (lbs)	Tensile (psi)	Breakload (lbs)	Tensile (psi)	Breakload (lbs)
18 AWG	0.0403	38,500	49	55,000	70	87,500	111	–	–	–	–
16 AWG	0.0508	38,500	78	55,000	111	87,500	177	–	–	–	–
14 AWG	0.0641	38,500	124	55,000	177	87,500	282	225,000	725	–	–
12 AWG	0.0808	38,500	197	55,000	282	87,500	452	260,000	1,330	179,300	920
10 AWG	0.1019	38,500	313	55,000	448	84,000	685	238,000	1,940	154,500	1,260
8 AWG	0.1285	37,000	479	55,000	713	75,000	972	215,000	2,785	131,100	1,700
6 AWG	0.1620	37,000	762	–	–	–	–	252,000	4,705	116,450	2,400