

Igniter Wire

Thermo-Trex® Flare Stack Cable

Thermo-Trex® Flare Stack Cable is a high-temperature resistant flexible cable that is suitable for all flare stack igniter applications. Its unique cable design and voltage rating is built to withstand the harshest environments to ensure ignition.

This igniter wire is voltage rated to 25kVDC and features a Fluoropolymer/ fiberglass jacket that provides protection and aids against cutting and abrasion.



Ratings

RoHS compliant

25kV DC / 10kv AC

Max Conductor Temperature 250°C

Performance Characteristics

✓ Bend Radius (Static): 10x Cable O.D.

✓ Bend Radius (Dynamic): 12x Cable O.D.

Engineered to Resist

Flexing

Abrasion

High Temperature

Chemicals

Features & Benefits

Finely Stranded Nickel-Plated Copper Conductors
Fine stranding improves flex-life and reduces conductor fatigue and breakage. Nickel-plated conductors allow for high heat resistance.

High Voltage Silicone Rubber Insulation
Provides resistance to heat, moisture, and chemicals. Allows for additional flexibility, making the product easier to install.

Mica Tape Wrap Insulation
Provides abrasion and high heat resistance for long-term durability.

Specially Designed Fiberglass Braid Jacket
Braided fiberglass jacket impregnated with high-temp finishing compounds to prevent fraying. Provides first line defense against abrasion and high heat.

Outer Sheath of Fluoropolymer Coating
Protects the fiberglass braid from damage during installation and provides additional weather and chemical protection.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No.	Configuration AWG/Cond	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
40518	18 AWG	0.239	34	55001
40516	16 AWG	0.251	40	55001
40514	14 AWG	0.276	50	55001
40512	12 AWG	0.302	63	55003
40510	10 AWG	0.339	83	55002



Notes
*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.