



TRIDENT
SOLUTIONS®

Innovation - Protection - Identification

Pro-Trace® TW Connector Fact Sheet

Part# (Blue) 739010250, (Yellow) 739011250



Pro-Trace TW Connector is used for underground splices or connections for tracer wire systems, and other applications not exceeding 300 Volts. The silicone filled connector is used to splice or branch-off multiple tracer wires to maintain continuity and provides corrosion-proof protection from underground elements.

The outer housing is clear in color and provides visual confidence with each installation. The hinged handle can be color coded to meet the APWA color standards. The inner housing features a locking mechanism made from zinc and uses applied hand pressure to securely close and lock the wire inside with ease.

DESCRIPTION:

- Injection molded from polycarbonate
- Works with gauges: 10 AWG | 12 AWG | 14 AWG | 16AWG
- Maximum Voltage: 300 Volts
- Temperature Rating: 221°F
- Silicone Sealant temperature range: -40°F to 400°F
- Pre-filled with corrosion-proof silicone sealant
- Designed to work with all forms of copper, copper-clad steel (CCS), and stainless steel tracer wire
- Meets or exceeds all applicable UL standards and requirements of the National Electrical Code
- Use in Damp, Wet, Raintight, Watertight, Submersible, and Direct Bury Locations

Conductor-type Compatibility				
SIZE	COPPER (SD/MHD/HD)	Pro-Trace® HF-CCS	Pro-Trace® HS-CCS	STAINLESS (Type 304)
16 AWG	1 - 3 Wires	1 - 3 Wires	1 - 3 Wires	1 - 3 Wires
14 AWG	1 - 3 Wires	1 - 3 Wires	1 - 3 Wires	1 - 3 Wires
12 AWG	1 - 3 Wires	1 - 3 Wires	1 - 3 Wires	1 - 3 Wires
10 AWG	1 - 3 Wires	NO	NO	1 - 3 Wires

Insulation-type Compatibility			
SIZE	PVC / NYLON	PVC	LDPE, HDPE, XLPE
16 AWG	TFN or TFFN	LV - UF	PE30, PE45
14 AWG	THHN or THWN	TW, UF, THW, TWU	PE30, PE45, XHHW-2, USE-2
12 AWG	THHN or THWN	TW, UF, THW, TWU	PE30, PE45, XHHW-2, USE-2
10 AWG	THHN or THWN	TW, UF, THW, TWU	PE30, PE45, XHHW-2, USE-2

INSTALLATION:

STEP 1: Open wings handles to 90 degree position.

STEP 2: Strip wires to 5/8". Use the strip guide molded into the connector for reference.

STEP 3: Insert striped wires into connector. The striped ends of the wires should be visible through the clear housing on the back.

STEP 3: Hold wires in place while squeezing handles together until the latch snaps shut.



Installation Video