



TRIDENT
SOLUTIONS®

Pro-Trace® TW Connector

Spec Sheet

Part# (Blue) 739010250, (Yellow) 739011250



OVERVIEW:

PRO-TRACE TW Connector is used for underground splices or connections for tracer wire 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 the underground elements.

DESCRIPTION:

- Connector Dimensions: 2.375" length, 1.375" width
- Made from silicone-filled polycarbonate
- Impact and crush resistant
- Water and corrosion-proof
- Moisture, chemical, temperature and oil resistant
- Temperature Rating: 105°C (221°F)
- Silicone Sealant Temperature: -40°C - 205°C (-40°F - 400°F)
- Manufactured to work with copper, copper-clad steel (CCS), and stainless steel
- Uses applied hand pressure to close and lock wire into place
- 300 Volts Max
- Wire Range: Min #16 / Max #10
- RoHS compliant
- Direct burial rated

STANDARDS & REFERENCES:

- Pro-Trace TW Connector meets or exceeds all applicable UL standards, and requirements of the National Electrical Code
- Sealed wire connection system for use in damp, wet, raintight, watertight, submersible and direct bury locations

SAMPLE SPECIFICATION:

When tracer wire connectors are necessary, contractor shall use a Pro-Trace® TW Connectors rated for direct burial use filled with silicone sealant to prevent corrosion at connection points.

WIRE COMBINATIONS (Conductor & Insulation-Type Compatibility)

Conductor Types					Insulation Types		
Size	Copper SD / MHD / HD	HF-CCS Pro-Trace®	HDD-CCS Pro-Trace®	Stainless Type 304	PVC / Nylon	PVC	LDPE, HDPE XLPE
16 AWG	1- 3 Wires	1- 3 Wires	No	1- 3 Wires	TFN or TFFN	LV-UF	PE30, PE45
14 AWG	1- 3 Wires	1- 3 Wires	No	1- 3 Wires	THHN or THWN	TW,UF, THW, TWU	PE30, PE45, XHHW-2, USE-2
12 AWG	1- 3 Wires	1- 3 Wires	No	1- 3 Wires	THHN or THWN	TW,UF, THW, TWU	PE30, PE45, XHHW-2, USE-2
10 AWG	1- 3 Wires	No	No	1- 3 Wires	THHN or THWN	TW,UF, THW, TWU	PE30, PE45, XHHW-2, USE-2

WEIGHTS, MEASUREMENTS & PACKAGING

Product Description	Packaging Inner Carton	Packaging Master Carton	Corrosion resistant Weight Per 100	Stock Item
Pro-Trace TW Connector MIN #16 300V Blue or Yellow	100	300	10 lbs	Yes

****ADDITIONAL COLORS AVAILABLE WITH MINIMUM RUNS. CALL 1-800-527-3295****

TridentProducts.com | 1-800-527-3295

A Pro-Line Safety Product

Effective: 7-21-2025

Trident_Pro-Trace_TW_Connector_Spec_Sheet