



Tracer-Lock® Connector

Spec Sheet

Part Number: TL-LUG-SS



OVERVIEW:

TRACER-LOCK® Connector is a direct bury, self-stripping, locking connector system used for making connections to underground tracer wire systems. Our innovative and unique design allows the connector to be installed as an “in-line” or “lateral” connector without stripping the tracer wire.

DESCRIPTION:

- Connector Dimensions: 2.56” height, 1.88” width, 1.77” diameter
- 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
- Self-stripping design that utilizes a stationary toothed blade for insulation displacement
- Utilizes mechanical compression for extreme holding power
- 1,000 Volts Max
- Wire Range: Min #18 / Max #8
- RoHS compliant
- Direct burial rated

STANDARDS & REFERENCES:

- Tracer-Lock 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:

Contractor shall use a Tracer-Lock® Connector (#TL-LUG-SS), manufactured by Trident Solutions, on all mainline and lateral connections. Tracer-Lock® features a side-tap that eliminates cutting of the tracer wire main when a lateral is required.

WIRE COMBINATIONS (Conductor & Insulation-Type Compatibility)

Conductor Types						Insulation Types		
Size	Copper SD / MHD / HD	HF-CCS Pro-Trace®	HS-CCS Pro-Trace®	HDD-CCS Pro-Trace®	Stainless Type 304	PVC / Nylon	PVC	LDPE, HDPE XLPE
16 AWG	Solid or Stranded	Solid or Stranded	Solid or Stranded	Solid or Stranded	Solid or Stranded	MIN O.D. = .0100” MAX O.D. = .0225”	MIN O.D. = .0100” MAX O.D. = .0225”	MIN O.D. = .0100” MAX O.D. = .0225”
14 AWG								
12 AWG								
10 AWG 8 AWG								

WEIGHTS, MEASUREMENTS & PACKAGING

Product Description	Packaging Bag Quantity	Packaging Box Quantity	Approx Weight Per Box	Stock Item
Pro-Trace TW Connector MIN #16 300V Blue or Yellow	1 Per Bag	50 Per Box	8 lbs	Yes