



TRIDENT SOLUTIONS

Innovation - Protection - Identification

Tracer-Lock® Connector Fact Sheet

Part# TL-LUG-SS



Tracer-Lock Connector is a direct bury, self-stripping, locking connector system used for corrosion proof and watertight connections to underground tracer wire systems. Our innovative and unique design allows the connector to be installed as an “in-line”, “lateral” or “splice” connector without stripping the tracer wire.

This one-piece mechanical connector is injection molded from polycarbonate and features a threaded screw with a breakaway shear nut system. This closes the connector, strips the wire, and locks the installation with mechanical superiority. Connector has outstanding temperature and high impact resistance, along with extreme holding power to withstand backfill pressure. Pre-filled with anti-oxide compound for corrosion, longevity, and superior electrical continuity.

DESCRIPTION:

- Works with sizes 18 thru 8 AWG. Sizes can be mixed or matched
- Pre-filled with anti-oxide compound
- Self-stripping design
- Each connector is bagged with installation instructions
- Designed to work with all forms of copper, copper-clad steel (CCS), and stainless steel tracer wire
- Can be used as an access point for locators
- 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

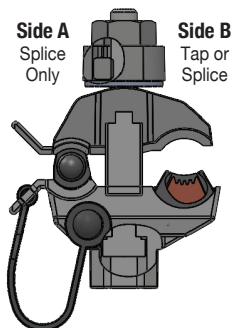
INSTALLATION:

STEP 1: Loosen the Shear Head Nut to open up the Connector.

STEP 2a (Splice): Insert un-stripped end of tracer wire completely into Side A. Insert un-stripped end of new tracer wire into wire sleeve, then position into Side B. Hand tighten to hold wires in place.

STEP 2b (Side Tap): Position Side B of the connector at the desired location of the tracer main. Insert un-stripped end of lateral wire completely into Side A. Hand tighten to hold wires in place.

STEP 3: After wires are in place, use a 1/2” (13mm) socket wrench or drill. At 70lbs/in torque, the Shear Head Nut will break away.



Installation Video

SIZE	TRACER WIRE CONDUCTOR TYPE (COMPATIBILITY)				
	COPPER	HF-CCS	HS-CCS	HDD-CCS	STAINLESS
18 AWG 16 AWG 14 AWG 12 AWG 10 AWG 8 AWG	YES Solid or Stranded	YES Solid or Stranded	YES Solid or Stranded	YES Solid or Stranded	YES Solid or Stranded
	INSULATION TYPE (COMPATIBILITY)				
	PVC/NYLON	PVC	LDPE, LLDPE, HDPE, XLPE, HMWPE		
	YES (MIN O.D. = 0.100") (MAX O.D. = 0.225")	YES (MIN O.D. = 0.100") (MAX O.D. = 0.225")	YES (MIN O.D. = 0.100") (MAX O.D. = 0.225")		