

LOCKING CONNECTORS

Hermetically Sealed

PCT-TRS-6L, PCT-TRS-6L-NT,
PCT-TRS-59L, PCT-TRSHE-59L, PCT-DRS-11L



Innovation for the Last Mile™



INNOVATIVE SOLUTIONS

PCT's new patented locking connector has a lock washer integrated within the connector and its design delivers a supreme barrier against moisture intrusion.

Typical connectors installation can create maintenance truck rolls due to the connector becoming loose under common environmental conditions. PCT's locking connector design is the industry solution to this inherent F-port connection problem. Even with repeated refastening to the female port, PCT's locking connector retains its torque feature integrity.

Common industry F connectors require frequent retightening due to temperature cycling and vibration. However, by using an integrated lock washer, PCT's locking nut connector stays properly tightened to the F-female port regardless of vibrations and temperature cycling.

Advanced Features

- Lock washer guarantees a secure, metal to metal quality connection between F male and female ports
- Reduces expensive truck rolls
- Delivers supreme barriers against moisture intrusion without the need for an external grommet (i.e. weather seal)
- Retains its torque integrity even with repeated refastening to the female port

Ordering Information

- PCT-TRS-6L TRS Compression Connector, Torque Retaining, Series 6, Universal
- PCT-TRS-6L-NT TRS Compression Connector, Torque Retaining, Series 6, Nickel Tin Plating, Universal
- PCT-TRS-59L TRS Compression Connector, Torque Retaining, Series 59 Universal
- PCT-TRSHE-59L TRS Universal Compression Connector, Series 59, Head-End, Torque Retaining, Standard Shield through Quad Shield
- PCT-DRS-11L DRS Compression Connector, Torque Retaining, Series 11, Standard through Quad Shield, 7/16 Hex Nut, Universal



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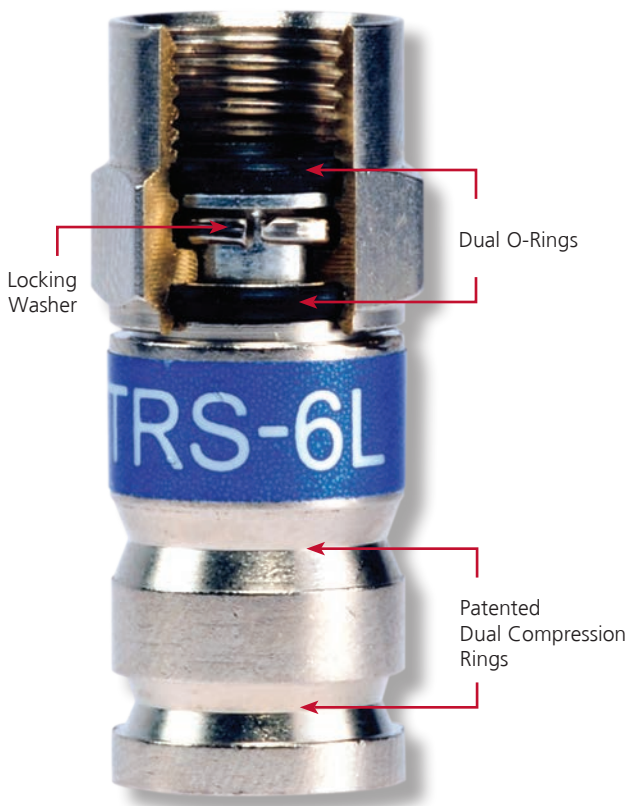
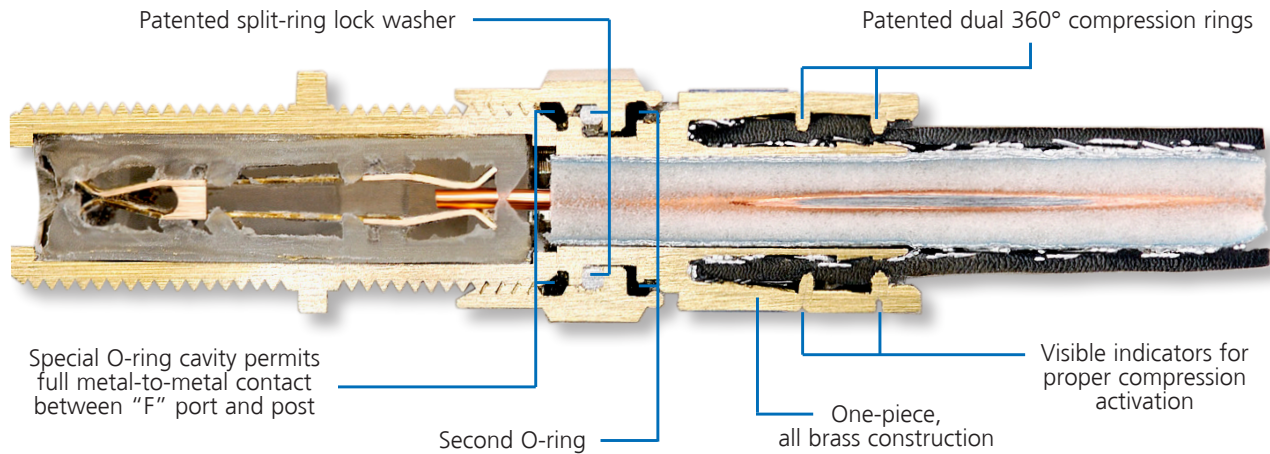
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PCT-TRS-6L Cutaway

(Shown installed onto PCT coaxial cable and connected to PCT-F81-G)



Loosening Torque Test Results

	Tightened to (in/lb)	Torque Required for Removal avg (in / lbs) after temperature cycling	Pass / Fail
PCT-TRS-6L	40.0	36.0	Pass
Competitor A	40.0	13.2	Fail
Competitor B	40.0	11.0	Fail
Competitor C	40.0	14.0	Fail
Competitor D	40.0	14.2	Fail
Competitor E	40.0	13.2	Fail

Note: Five (5) connectors of each type tested. The connectors were installed onto CommScope F660BVV 60% bi-shield drop cable per each manufacturer's instructions. The connectors were then installed on 8-way splitters and each was torqued to 40 in. lbs. The connector splitter assemblies were then temperature cycled with humidity per the following schedule: 14 12-hour temperature cycles from +20 to +60° C and returned to +20° C with 95% humidity at the high temperature point. Temperature extremes were maintained for 3 hours.