

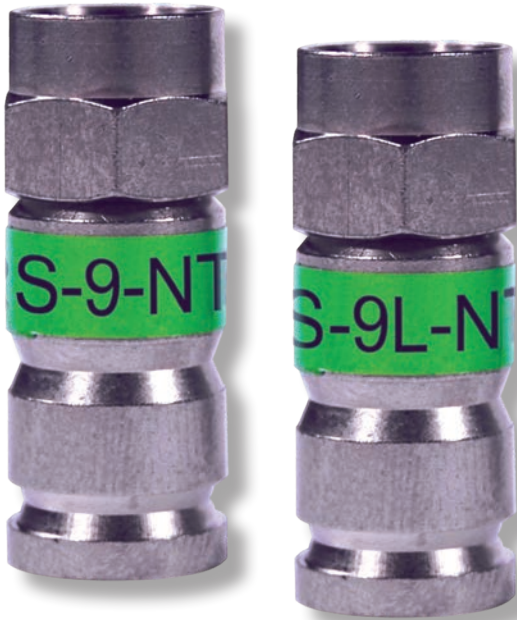
TRS CONNECTORS

For Use on European Cable Types

PCT-TRS-9-NT, PCT-TRS-9L-NT



Innovation for the Last Mile™



- Designed for European cable types - Coax 9, CT100 and WF100
- Easy installation with a moisture tight seal
- Standard and Torque Retaining Option available

INNOVATIVE SOLUTION

PCT stands behind the philosophy that a tight connection is always the best connection. We recognize that an installation completed by an installer or customer may run the chance of being less than perfect. That is why PCT develops products that help avoid service related issues, increase customer satisfaction and lower operational expenses for operators.

The PCT-TRS-9-NT and PCT-TRS-9L-NT connectors are designed for use with European Coax 9, CT100, and WF100 cable types. Both connectors incorporate PCT's patented, all-metal compression technology along with integrated o-rings ensuring optimum cable retention and protection against moisture migration without the need for a separate weather sealing device.

The PCT-TRS-9L-NT connector provides additional protection and certainty that once the connector is properly tightened it will maintain its original torque regardless of vibration or temperature cycling. This unique feature integrates a lock washer into the connector which guarantees a secure long lasting metal-to-metal quality connection between the F male and female ports for the life of the install.

Incorporating these connectors into your installations ensures a long lasting connection that stands the test of time.

Ordering Information

- PCT-TRS-9-NT TRS Compression Connector, Series 9, Universal, Nickel-Tin
- PCT-TRS-9L-NT TRS Compression Connector, Torque Retaining, Series 9, Universal, Nickel-Tin



"LOOSENING TORQUE" TEST RESULTS			
Tested per Bellcore GR-1503-CORE Specification			
Connector Tested	Tightened To in/lbs	Average Torque Required for Removal	Pass/Fail
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
PCT-TRS-9L-NT	40.0	36.0	Pass

Note: Five (5) connectors of each type tested. The connectors were installed onto 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.

US Patent No. 6,042,422



Specifications

PCT-TRS-9-NT / PCT-TRS-9L-NT

Parameters	Details
General	
Bandwidth	5 MHz to 3 GHz
Impedance	75 Ohms (Nominal)
Return Loss	Minimum -30 dB to 3 GHz
Shielding Effectiveness	> -100 dB to 300 MHz, > -90 dB to 1 GHz
Insertion Loss	≤ 0.2 dB @ 3 GHz
Operating Voltage	90 V (at 60 Hz continuous AC)
Operating Temperature	-40 to +60 °C, -40 to +140 °F
Cable Range	Coax 9 cable 60% through quad-shield
Core Diameter (Dielectric + Tape)	
Acceptable Maximum	4.90 mm ± 0.100 mm (0.192 in ± 0.004 in)
Jacket Diameter	
Acceptable Minimum	6.80 mm ± 0.200 mm (0.267 in ± 0.008 in)
Acceptable Maximum	7.65 mm ± 0.200 mm (0.301 in ± 0.008 in)
Cable Retention	> 22.68 kg (50 lbs), ambient temperature
Cable Insertion	< 6.8 kg (15 lbs) maximum insertion force, ambient temperature
Physical Characteristics	
Length Before Compression	27.84 mm (1.09 in)
Mating Mechanism	7/16 Hex 3/8-32 UNEF threading
Construction Material	Nickel tin plated brass
Tooling	
Compression tool	*PCT-TRS-CT, PCT-TRS-CT-AS, PCT-AIO-CT



Notes 1: *This list is not all inclusive and only reflects the tooling options available by PCT International, Inc.