

LOCKING CONNECTOR

Postless, Nickel Tin

PCT-QP-59LNT

21 mm stroke length



Innovation for the Last Mile®



Uniquely PCT!

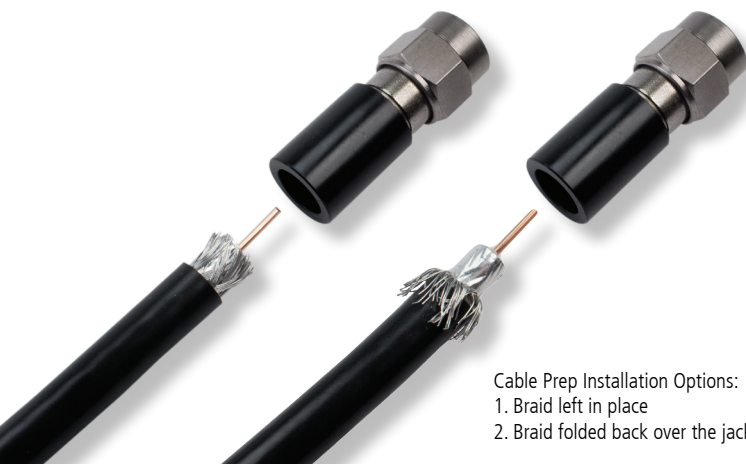
Torque Retention + Postless Design

The innovative merging of two distinct PCT connector technologies into one connector

Sealing protection

Cable retention

RFI integrity



Cable Prep Installation Options:
1. Braid left in place
2. Braid folded back over the jacket

INNOVATIVE DROP SOLUTION

PCT's patented QP postless compression connectors are designed for fast, convenient installations while retaining superior performance. PCT's newest innovation in connectors for the broadband industry brings together the convenience of a postless design with the time-proven performance enhancements first introduced in our TRS series connectors, including our patented dual compression rings, patented lock washer design, and dual O-rings. These enhancements provide the sealing protection, cable retention and RFI integrity required for modern broadband telecommunications networks, and guarantees performance with bi- and tri-shield cable types - including messenger cable.

PCT's QP compression connectors provide simple, quick preparation of the cable, and even easier installation due to the postless design of the connector. It also provides the convenience of one connector for bi- and tri-shield Series 59 cables.

FEATURES & BENEFITS

Built with the highest standards and performance on the market, PCT-QP-59LNT connector features include:

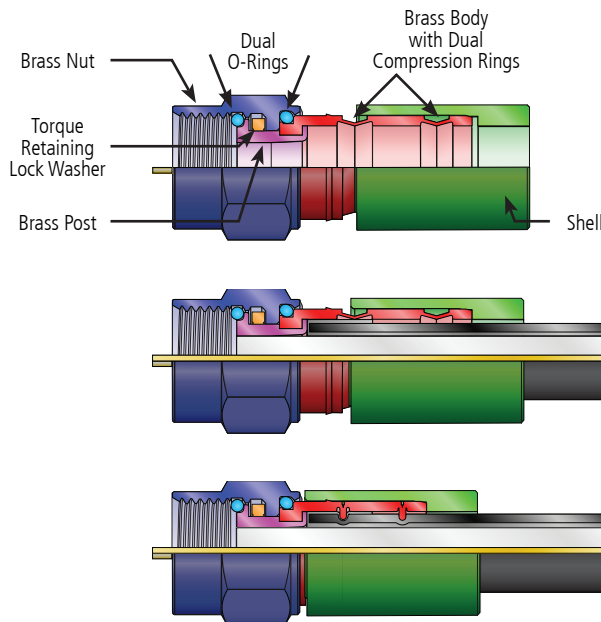
- ✓ **Postless Design** - Allows quick preparation and installation of the connector
- ✓ **Torque Retaining** - Built in lock washer keeps the connection tight
- ✓ **Nickel Tin Plating** - Provides superior corrosion resistance
- ✓ **Dual Metal Compression Rings** - Provide 100% sealing protection on bi- and tri-shield Series 59 cable types and remain compressed over time
- ✓ **Dual O-Ring Design** - Delivers a superior barrier against moisture intrusion
- ✓ **All Brass Construction** - Avoids plastic creep issues
- ✓ **UV Stabilized Polymer** - Stands up to the elements
- ✓ **Standard Cable Preparation** - 1/4 in - 5/16 in
- ✓ **Convenient Cable Installation** - Can be installed by either folding the braid back over the jacket or by leaving the braid in place while maintaining > 40 in lbs of axial pull
- ✓ **21 mm Stroke Length** - Compatible with most commonly used compression tools (see Tooling on next page)
- ✓ **Standard 7/16 in Nut**
- ✓ **Standards Conformance** - Conforms to ANSI / SCTE 123 2011, ASTM, and Telecordia (formerly Bellcore) standards
- ✓ **Tool Compatibility** - Use with popular universal compression tools for 21 mm compression connectors



Specifications

PCT-QP-59LNT

Parameters	Details
General	
Bandwidth	5 to 3000 MHz
Impedance	75 Ohms (Nominal)
Return Loss	
5 to 1002 MHz	-30 dB (Test per ANSI/SCTE 04 2007)
1002 to 2150 MHz	-25 dB
2150 to 3000 MHz	-18 dB
Shielding Effectiveness	
30 to 3000 MHz	A++
Axial Pull Force	> 18.14 kg (40 lbs) minimum with braid NOT folded back
Cable Insertion	< 9.07 kg (20 lbs) with braid NOT folded back
Cable Range	Series 59 cable single tape and braid through tri-shield
Operating Temperature	-40 to +60 °C (-40 to +140 °F)
Outer Conductor DC Contact Resistance	< 10 milliohm
Tightening Torque Withstand	6.8 Nm (60 in lbs)
UV Degradation	1000 hours, no cracking, swelling or brittleness
Conformance	RoHS, CE certified
Physical Characteristics	
Mating Mechanism	7/16 Hex 3/8-32 UNEF threading
Construction Material	Nickel / Tin Plated Brass and Plastic Shell
Tooling	
Compression Tools	PCT-AIO-CT and PCT-RHXL-CT-AS, as well as many other manufacturers' standard 21 mm compression stroke length tools
Part Number	
PCT-QP-59LNT	Compression Connector, Postless, Series 59 Cable Single Tape and Braid Through Tri-Shield, with Torque Retention



PCT-QP-xLNT Postless Compression Connector with Patented PCT Connector Compression Design Including: Torque Retaining Lock Washer, Dual O-Rings and Dual Compression Rings



US Patent Nos. 6042422, 6712631.

STAY INFORMED - FOLLOW US



Call +1.800.306.8948 for more information

2260 W Broadway Rd | Mesa AZ 85202-1898 | USA | pctinternational.com



PCT.DS.CONN.PCTQP59LNT.20150630a
 © 2014-2015 PCT International, Inc.
 Specifications subject to change without notice.