

# LOCKING CONNECTOR With Continuous Ground & Enhanced Shielding

PCT-TRS-6LMG

18 mm stroke length



Innovation for the Last Mile®



## CONNECTOR CONVERGENCE™

Uniquely PCT!

**Torque Retention + Continuous Grounding + Enhanced Shielding**

The innovative merging of three distinct PCT connector technologies into one connector creating the most reliable connector on the market today.

## ANOTHER INNOVATIVE SOLUTION

PCT is widely known for its patented compression connector technology, but is always looking for new ways to improve the quality of the drop. That attentiveness brings another breakthrough feature to our compression connector, the PCT-TRS-6LMG, making it even better than ever!

One of the most common mistakes made by self-installers, and even by many trained technicians, during an installation is improper connector tightening. This oversight leads to interruptions and degraded performance in both video and data services resulting in countless truck rolls.

PCT's continuous ground feature - standard on our PCT-TRS-6LMG torque retaining connector - maintains greater immunity to ingress and egress due to loose connections, both inside and outside of the home. Laboratory testing has proven that, even in a loosened state, PCT-TRS-6LMG's unique features provide continuous grounding and enhanced shielding.

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

## Insure your installations today!

With the PCT-TRS-6LMG connector, you receive all of these features without any additional premium!

- ✓ **Continuous Ground** - Improved ground contact both when tight and loose
- ✓ **Enhanced Shielding** - Improved shielding effectiveness when loose
- ✓ **Torque Retaining** - Built in lock washer keeps the connection tight
- ✓ **Tested to ANSI/SCTE 123 2011, ASTM and Telcordia (formerly Bellcore) Standards** - The only coaxial connector that meets Telcordia's loosening torque specification
- ✓ **All Metal Design** - 100% brass construction
- ✓ **Dual O-Ring Design** - Delivers a superior barrier against moisture intrusion
- ✓ **Metal Compression Rings** - Stay compressed and won't break down over time



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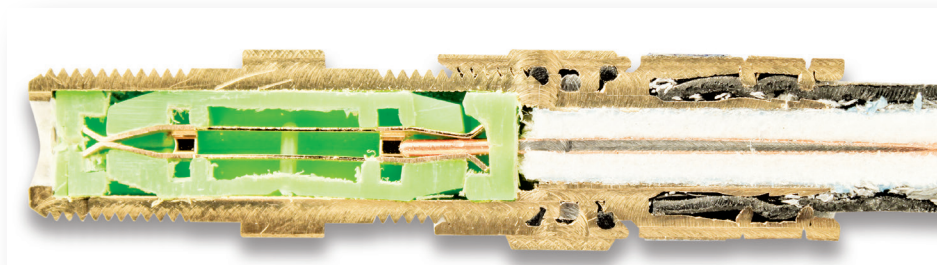
## Specifications

### PCT-TRS-6LMG

Parameters	Details
<b>General</b>	
Bandwidth	5 to 3000 MHz
Impedance	75 Ohms (Nominal)
Return Loss	
5 to 1002 MHz	-30 dB
1002 to 2150 MHz	-25 dB
2150 to 3000 MHz	-18 dB
Shielding Effectiveness	Same as unspliced cable $\pm 3$ dB
Operating Voltage	90 V (at 60 Hz continuous AC)
Loosened Condition	Continuous ground feature maintains the ground path even in a loosened state
Operating Temperature	-40 to +140 °F (-40 to +60 °C)
Cable Range	RG6 cable bi-shield through quad-shield
Acceptable Maximum Core Diameter (Dielectric + Tape)	0.193 in (4.90 mm)
Acceptable Minimum Jacket Diameter	0.265 in (6.73 mm)
Acceptable Maximum Jacket Diameter	0.305 in (7.75 mm)
Cable Retention	> 60 lbs (27.21 kg), ambient temperature
Cable Insertion	< 20 lbs (9.07 kg) maximum insertion force, ambient temperature
<b>Physical Characteristics</b>	
Length Before Compression	1.11 in (28.19 mm)
Mating Mechanism	7/16 Hex 3/8-32 UNEF threading
Construction Material	Nickel plated brass
<b>Tooling</b>	
Compression Tools	PCT-AIO-CT and PCT-RH-CT-AS, as well as many other manufacturers' 360° standard 18 mm compression stroke length tools
	To view our Tool Compatibility Table, please visit <a href="http://pctintl.com/PCTtools">pctintl.com/PCTtools</a> .
<b>Part Number</b>	
PCT-TRS-6LMG	Compression Connector, Torque Retaining, Series 6, Bi-Shield 60% through Quad-Shield with Continuous Ground and Enhanced Shielding



## PCT-TRS-6LMG Cutaway



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