

UNIVERSAL LOCKING COMPRESSION CONNECTOR

Torque Retention, Continuity & Enhanced Shielding

PCT-FRS-6LMG
21 mm stroke length



Innovation for the Last Mile®



CONNECTOR CONVERGENCE™

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

Torque Retention + Continuous Grounding + Enhanced Shielding

Insure your installations today!

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

- ✓ **Torque Retaining** - Built in lock washer keeps the connection tight
- ✓ **Continuous Ground** - Improved ground contact both when tight and loose
- ✓ **Enhanced Shielding** - Improved shielding effectiveness when loose
- ✓ **Tested to Applicable ANSI/SCTE, ASTM and Telcordia (formerly Bellcore) Standards** - Utilizes PCT's patented coaxial connector technology meeting Telcordia's loosening torque specifications
- ✓ **Conforms to ANSI/SCTE 123 2011**
- ✓ **Metal Design** - Compression body, post and nut are 100% brass construction
- ✓ **UV Stabilized Polymer Sleeve** - Provides environmental protection to the cable / connector interface
- ✓ **Dual O-Ring Design** - Delivers a superior barrier against moisture intrusion
- ✓ **Metal Compression Ring** - Ensures the UV stabilized polymer sleeve is locked in place after compression, stays compressed and won't break down over time



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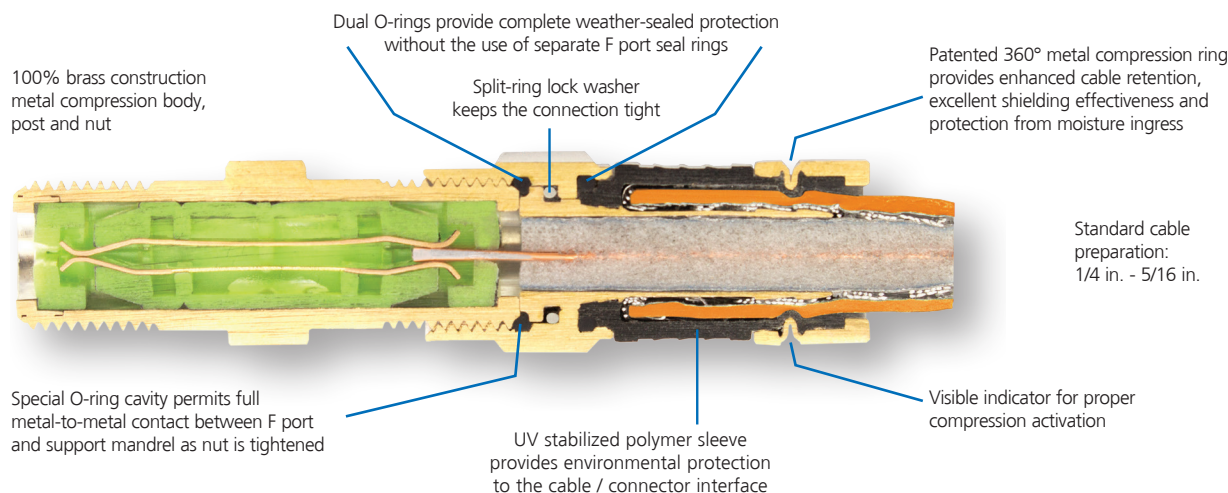
Specifications

PCT-FRS-6LMG

Parameters	Details
General	
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	
5 to 3000 MHz	> -100 dB
Insertion Loss	≤ 0.2 dB @ 3000 MHz
Operating Temperature	-40 to +140 °F (-40 to +60 °C)
Cable Range	Series 6 cable standard through quad-shield
Withstand Tightening Torque	60 in lbs
Cable Retention	40 lbs min
Cable Insertion	< 20 lbs (9.07 kg) maximum insertion force, ambient temperature
Physical Characteristics	
Compression Tool Stroke Length	21 mm
Mating Mechanism	7/16 Hex 3/8-32 UNEF-2B threading
Construction Material	
Nut and Rear Compression Body	Sulfamate nickel plated brass
Post	Bright acid tin plated brass
Body Insert Sleeve	UV stabilized polymer
Tooling	
Compression Tools	PCT-AIO-CT and PCT-RHXL-CT-AS, as well as many other manufacturers' 360° and 180° standard 21 mm compression stroke length tools.
Part Number	
PCT-FRS-6LMG	Compression Connector, Torque Retaining, Series 6, Standard through Quad-Shield with Continuous Ground and Enhanced Shielding



PCT-FRS-6LMG Cutaway



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