



## CONNECTORS

### CONNECTOR F MALE COMPRESSION RG6 FOXTEL UNI LOCKING

Product Code: APFTRSF6L

FOXTEL: F30574



#### Specifications

Bandwidth	5 MHz ... 3 GHz
Impedance	75 $\Omega$ (Nominal)
Return Loss	Minimum -30 dB ... 3 GHz
Shielding Effectiveness	> -100 dB from 5 ... 1002 MHz
Insertion Loss	$\leq$ .2 dB @ 3 GHz
Operating Voltage	90 V (at 60 Hz continuous AC)
Operating Temperature	-40° F ... +140° F, -40° C ... +60° C
Cable Range	RG6 Cable 60% 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 lb. (27.21 kg), Ambient Temperature
Cable Insertion	< 15 lb. maximum insertion force, Ambient Temperature

#### Physical Characteristics

Length before Compression	1.09 inches (27.84 mm)
Mating Mechanism	7/16 Hex 3/8-32 UNEF Threading
Construction Material	Nickel Plated Brass

#### Tooling

Compression tool	TCAIOT
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Parameter	Specifications	Result	Requirement
Cable Retention	ANSI/SCTE 99 2009	> 40 lbs pull force	PASS
Chemical Resistance	Telcordia GR-1503-CORE 4.7 & 4.8	No cracking or swelling	PASS
Tightening Torque	ANSI/SCTE 98 2009	Tightened to 60 in / lbs without damage	PASS
Insertion Loss	SCTE 144 2012	< 0.05 dB ... 350 MHz, < 0.1 dB ... 700 MHz, < 0.2 dB ... 1 GHz	PASS
Installation Force	ANSI/SCTE 73 2012	< 20 lbs maximum insertion	PASS
Loosening Torque	Telcordia GR-1503-CORE 4.2	$\geq$ 30 in / lbs after temperature cycling	PASS
Moisture Migration	ANSI/SCTE 60 2010	No dye penetration after 5 days of temperature cycling	PASS
Ozone Degradation	BLCR GR-1503-CORE 4.1	70 hours exposure	PASS
Return Loss	ANSI/SCTE 04 2007 ANSI/SCTE 05 2008	> -30 dB to 1 GHz	PASS
Salt Fog / Corrosion Resistance	1000 hours salt spray > -30 dB return loss to 1 GHz	1000 hours salt spray > -30 dB return loss to 1 GHz	PASS
Shielding Effectiveness	ANSI/SCTE 48-2 2008	> -100 dB to 300 MHz, > -90 dB to 1 GHz	PASS
Temperature Cycling with Humidity	BLCR GR-1503 4.1	> 40 lbs pull force after temperature cycling	PASS
UV Degradation	Telcordia GR-1503-CORE 4.1	1,000 hours, no cracking, swelling or brittleness	PASS
Vibration	Telcordia GR-1503-CORE 4.9	> 32 in / lbs loosening torque after vibration	PASS
DC Contact Resistance Outer Conductor	ANSI/SCTE 103 2012	< 5 milliohms	PASS