



CONNECTORS

CONNECTOR F MALE COMPRESSION RG11 FOXTEL UNI LOCKING

Product Code: APFTRSF11L

FOXTEL: F30709



Specifications	
Bandwidth	5 MHz ... 3 GHz
Impedance	75 Ω (Nominal)
Return Loss	Minimum -25 dB ... 1 GHz
Shielding Effectiveness	> -100 dB ... 300 MHz, > -90 dB ... 1 GHz
Insertion Loss	≤ .2 dB @ 1 GHz
Operating Voltage	90 V (at 60 Hz continuous AC)
Operating Temperature	-40° F ... +140° F, -40° C ... +60° C
Loosened Condition	Continuous ground feature maintains the ground path even in a loosened state
Cable Range	RG11 Cable 60% through Quad-Shield
Acceptable Maximum Core Diameter (Dielectric + Tape)	0.290 in ± 0.005 in (7.39 mm ± 0.010 mm)
Acceptable Minimum Jacket Diameter	0.389 in ± 0.008 in (9.90 mm ± 0.200 mm)
Acceptable Maximum Jacket Diameter	0.415 in ± 0.008 in (10.55 mm ± 0.200 mm)
Cable Retention	> 70 lb. (31.75 kg) , Ambient Temperature
Cable Insertion	< 20 lb. maximum insertion force, Ambient Temperature

Physical Characteristics	
Length before Compression	1.77 inches (45.00 mm)
Pin Diameter	0.90 inches (0.94 mm)
Mating Mechanism	7/16 Hex 3/8-32 UNEF Threading
Construction Material	Nickel Plated Brass
Pin Construction	Beryllium Copper with Tin Plating
Insulator	High Density Polyethylene

Tooling	
Compression tool	TCAIOT

Parameter	Specifications	Result	Requirement
Cable Retention	ANSI/SCTE 99 2004	> 50 lbs pull force	PASS
Chemical Resistance	BLCR GR-1503-CORE 4.7	No cracking or swelling	PASS
Corrosion Resistance	BLCR GR 1503-CORE 3.2.1	1,000 hours salt spray	PASS
Tightening Torque	ANSI/SCTE 98 2004	Tightened to 60 in / lbs without damage	PASS
Insertion Loss	ANSI/SCTE 73 2007	< 0.05 dB ... 350 MHz, < 0.1 dB ... 700 MHz, < 0.2 dB ... 1 GHz	PASS
Installation Force	ANSI/SCTE 73 2007	< 20 lbs maximum insertion	PASS
Loosening Torque	BLCR GR-1503-CORE 4.2	≥ 30 in / lbs after temperature cycling	PASS
Moisture Migration	ANSI/SCTE 60 2004	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 05 2008	> -30 dB to 1 GHz	PASS
Salt Fog	ANSI/SCTE 143 2007	> -30 dB return loss to 1 GHz	PASS
Shielding Effectiveness	ANSI/SCTE 48-1 2007 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	> 50 lbs pull force after temperature cycling	PASS
UV Degradation	BLCR GR-1503-CORE 4.8	UV resistant after 7 days	PASS
Vibration	BLCR GR-1503-CORE 4.6	> 32 in / lbs loosening torque after vibration	PASS
DC Contact Resistance Outer Conductor	ANSI/SCTE 103 2004	< 5 milliohms	PASS

