

# SC Connector Specifications

## Electrical

Impedance	50 Ohm constant
Frequency Range	0-11 GHz, 1500 V typ.
Voltage Rating	1000 volts peaked
Dielectric Withstanding Voltage	3000 VRMS
VSWR (MIL-C-39012 Cable Connectors)	1.35 max, 0-11 GHz
RF Leakage	-90 dB max at 3 GHz
Insertion Loss	.15 dB max at 9 GHz
Insulation Resistance	5000 M $\Omega$
Contact Resistance	
Center Conductor	1.0 m $\Omega$
Outer Conductor	.15 m $\Omega$
Braid to Body	.05 m $\Omega$

## Environmental

Temperature Range (TFE)	-65°C to +165°C
Shock	Mil-STD-202, Method 213, Condition B
Vibration	Mil-STD-202, Method 204, Condition B
Moisture Resistance	Mil-STD-202, Method 106
Corrosion	Mil-STD-202, Method 101, Condition B
Temperature Cycling	Mil-STD-202, Method 102, Condition C

## Mechanical

Mating	11/16-24 UNEF screw threads. Plug coupling nut has safety wire holes
Cable Affixment	Crimp-crimp: hex crimp jacket, braid, center contact MIL-C-39012
Contact	Captivated
Cable Retention	
.155"-.189" dia. Cable	50 lbs min
.190"-.229" dia. Cable	60 lbs min
.230"-.249" dia. Cable	75 lbs min
.250" and Larger dia. Cable	90 lbs min

