



Materials :

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass Female: Brass, Phosphor Bronze, or Beryllium Copper	Gold
Insulator	Delrin or Teflon	N/A
Crimp ferrule	Annealed Copper	Nickel or Gold

Electrical :

Electrical Data	Detail	
Impedance	50 ohm	75 ohm
Frequency range	0-11 GHz	0-2 GHz
Working voltage	500 volts rms max.	
Insulation resistance	5,000 megohms min.	
Dielectric withstanding voltage	1,500 volts rms min.	
Contact resistance	Center contact: 1.5 Milliohms Outer contact: 1.0 Milliohms	
VSWR: f (GHz)	Straight: 1.3 max. Right angle: 1.5 max.	
Insertion loss	0.2 dB max. at 3GHz	

Mechanical :

Mechanical Data	Detail
Engagement force	2.5 inch-pound max.
Disengagement force	3 lbs max. Axial force
Connector durability	500 cycles min.
Cable retention force	RG58, 141, 142, 223/U → 40 lbs min. RG174, 188, 316/U → 20 lbs min.

Environmental :

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION B
Mechanical shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature range	-65°C to 165°C (Teflon)

TNC