



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
Frequency range	0-2.5GHz
Working voltage	335 volts rms max.
Insulation resistance	5,000 megohms min.
Dielectric withstanding voltage	1,000 volts rms min.
Contact resistance	Center contact: 3 Milliohms Outer contact: 5 Milliohms
VSWR: f(GHz)	Straight: 1.25 max. Right angle: 1.35 max.
Insertion loss	0.2 dB max. at 1GHz

Mechanical :

Mechanical Data	Detail
Engagement force	2 inch-pound max.
Disengagement force	2 inch-pound
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)