



Materials : ↕

Connector part ↕	Material ↕	Finish ↕
Bodies ↕	Brass ↕	Nickel or Gold ↕
Center Contact ↕	Male: Brass ↕ Female: Beryllium copper ↕	Gold ↕
Insulator ↕	Teflon ↕	N/A ↕
Crimp ferrule ↕	Annealed copper ↕	Nickel or Gold ↕

⊕ Electrical : ↕

Electrical Data ↕	Detail ↕		
Impedance ↕	50 ohm ↕		
Frequency range ↕	0-6GHz ↕		
Working voltage ↕	175 V rms ↕		
Insulation resistance ↕	1000 milliohms ↕		
Dielectric withstanding voltage ↕	RG178/U → 750 volts rms min. at sea level ↕ RG316, 405 → 1,000 volts rms min. at sea level ↕		
Contact resistance ↕	Center contact: <5 milliohms ↕ Outer contact: <2.5 milliohms ↕		
VSWR: f (GHz) ↕	RG178/U ↕	Straight ↕ 1.3+0.04f ↕	Right angle ↕ 1.45+0.06f ↕
	RG316/U, 405 ↕	1.25+0.04f ↕	1.35+0.04f ↕
Insertion loss ↕	0.3dB max. (straight) ↕ 0.6dB max. (right angle) ↕		

Mechanical : ↕

Mechanical Data ↕	Detail ↕
Engagement force ↕	2.3 lbs max. ↕
Disengagement force ↕	2.3 lbs max. ↕
Connector durability ↕	500 cycles min. ↕
Cable retention force ↕	RG178/U → 10 lbs. ↕ RG316/U → 20 lbs. ↕ RG405 → 30 lbs. ↕

Environmental : ↕

Environmental Data ↕	Detail ↕
Corrosion (Salt spray) ↕	MIL-STD-202 METHOD 101 CONDITION B ↕
Thermal shock ↕	MIL-STD-202 METHOD 107 CONDITION B ↕
Vibration ↕	MIL-STD-202 METHOD 204 CONDITION B ↕
Mechanical shock ↕	MIL-STD-202 METHOD 213 CONDITION B ↕