



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	0~10 GHz		
Working voltage	RG178/U → 250 volts rms max. at sea level RG316/U, 405 → 335 volts rms max. at sea level		
Insulation resistance	1,000 megohms min.		
Dielectric withstanding voltage	RG178/U → 500 volts rms min. at sea level RG316/U, 405 → 750 volts rms min. at sea level		
Contact resistance	Center contact: 6 milliohm max. Outer contact: 1 milliohm max.		
VSWR : f (GHz)		Straight	Right angle
	RG178/U	1.25+0.04f	1.4+0.06f
	RG316/U, 405	1.20+0.04f	1.3+0.04f
Insertion loss	0.25dB max. (straight)		
	0.6 dB max. (right angle)		

Mechanical :

Mechanical Data	Detail		
Coupling nut retention	35 lbs min.		
Coupling nut torque	15 lbs-Inch min.		
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 D		
Mechanical shock	MIL-STD-202 METHOD 213 CONDITION C		