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	0~4 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→ 750 volts rms min. at sea level RG316, 405 → 1,000 volts rms min. at sea level		
Contact resistance	Center contact: 6 milliohms max. Outer contact: 2.5 milliohms max.		
VSWR: f (GHz)		Straight	Right angle
	RG178/U	1.3+0.04f	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	14 lbs max.
Disengagement force	14 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