



## BNC and Reverse Polarity BNC Specifications

### Materials

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

### Electrical

Electrical Data	Detail	
Impedance	50 ohm	75 ohm
Frequency range	0~4GHz	0~1GHz
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 max.	
	Outer contact: 1.0 milliohms max.	
VSWR: f (GHz)	Straight: 1.3 max.	
	Right angle: 1.5 max.	
Insertion loss	0.2dB max. at 3GHz	

### Mechanical

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