



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 | 0-2GHz |
| Working voltage | 500 volts rms max. |
| Insulation resistance | 5,000 megohms min. |
| Dielectric withstanding voltage | 1,500 volts rms min. |
| Contact resistance | Center contact: 1.0 Milliohms Outer contact: 0.5 Milliohms |
| VSWR: f(GHz) | Straight: 1.2 max. Right angle: 1.3 max. |
| Insertion loss | 0.2 dB max. at 1.8GHz |

Mechanical :

| Mechanical Data | Detail |
|-----------------------|--|
| Engagement force | 1.8 inch-pound max. |
| Disengagement force | 3 lbs max. Axial force |
| 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 D |
| Mechanical shock | MIL-STD-202 METHOD 213 TEST CONDITION I |
| Temperature range | -65°C to 165°C (Teflon) |