

<b>Electrical</b>	
Impedance	50 $\Omega$
Frequency Range	0 - 11 GHz
Voltage Rating	1,500 volts peak
VSWR	MIL-C-39012 straight connectors: 1.3 max 0-11 GHz MIL-C-39012 right angle connectors: 1.35 max 0-11 GHz
Dielectric Withstanding Voltage	2,500 volts rms
Insulation Resistance	5,000 M $\Omega$ minimum
Center Contact Resistance	1.0 m $\Omega$
Outer Contact Resistance	0.2 m $\Omega$
RF Leakage	-90 dB minimum at 3 GHz
Insertion Loss	.15 dB maximum at 10 GHz
<b>Mechanical</b>	
Mating	5/8-24 threaded coupling
Braid or Jacket Cable Affixment	All crimps: hex braid crimp Clamps: screw-thread nut and braid clamp
Center Conductor Cable Affixment	Crimp: crimp or solder All others: solder only
Captivated Contact	All crimps unless specified otherwise
Cable Retention	Crimps: 60-120 lbs Clamps: 30-70 lbs
<b>Material</b>	
Male Contacts	Brass, silver or gold plated
Female Contacts	Phosphorous bronze or beryllium copper, silver or gold plated
Other Metal Parts	Brass with ASTROplate® finish; M39012 has silver finish
Insulators	TFE, copolymer of styrene or glass-TFE (hermetic seal)
Weatherproof Gaskets	Silicone rubber or synthetic rubber
Crimp Ferrule	Copper
Environmental	
Temperature Range	TFE: -65°C to +165°C
Weatherproof	All series N with gaskets are weatherproof
Hermetic Seals	Pass helium leak test of 2x10 <sup>-8</sup> cc/sec
Pressurized Shock	Compression seal MIL-STD-202, method 213
Vibration	MIL-STD-202, method 204, test condition B
Moisture Resistance	MIL-STD-202, method 106
Corrosion	MIL-STD-202, method 101, test condition B
Temperature Cycling	MIL-STD-202, method 102, test condition C
Altitude	MIL-STD-202, method 105, test condition C
<b>Military</b>	
MIL-C-39012 MIL-A-55339	Where applicable

**Note:**  
These characteristics are typical but may not apply to all connectors