



## Specifications for "N" Connectors

N Series connectors are medium sized, and weatherproof. The coupling method utilizes a screw system designed for use at frequencies up to microwave. These connectors are particularly useful where precision performance is necessary such as in test equipment, satellite communications, MATV, computer LAN systems, and other high-tech electronic equipment. Because of the quality manufacturing tolerances these connectors ensure excellent performance throughout 0-18GHz.

### MATERIALS

Connector Parts	Material	Equivalent Standard †
Connector Body and Parts	Brass	ISOCuZn38Pb2 Body Part
Male Contact Pin	Brass	QQ-B-626
Outer Contact	Brass	QQ-B-750
Socket Contact	Beryllium Copper Phosphor Bronze	QQ-C-530/MIL-H-7199 CuBe2
Crimp Ferrule	Annealed Copper	QQ-C-576
Insulators, Standard Versions	Teflon Delrin	L-P403/BS4271 Grade B
Rubber Gaskets	Silicone Rubber	ASTM-E1418PSI
Plating	Nickel (Silver Optional)	MIL-G-45204

### ELECTRICAL

Requirement	Performance	Test † Specification
Impedance	50 Ω 75Ω	-----
Frequency Range	0-18 GHz 0-1 GHz	-----
VSWR	1.30 Max.	MIL- C-39012
RF Insertion Loss	0.2 db Max. at 3 GHz	MIL- C-39012
RF Leakage	-90 db Min. at 2-3 GHz	MIL- C-39012
Test Voltage (At Sea Level)	2500V rms	MIL-STD-202
Working Voltage (At Sea level)	1000V rms	MIL-STD-202
Insulation Resistance	5000 Megohm Min.	MIL-STD-202
Contact Resistance	3 Megohm Max.	MIL-C-39012

### MECHANICAL & ENVIRONMENTAL

Requirement	Performance	Test † Specification
Durability	500 Insertions & Extractions Min.	MIL-C-39012
Shock	100 G	MIL-STD-202
Vibration	20 G from 80-2000 Hz	MIL-STD-202

Cable Retention (Cable Types)	60 lbs. Minimum Pull Test	MIL-C-39012
Coupling Nut	100 lbs. Maximum	MIL-C-39012
Temperature Range	Teflon: -55 to +199 C Delrin: -40 to +85 C	-----
Moisture Resistance	Continuous Test	MIL-STD-202
Salt Spray	48 Hours	MIL-STD-202

†Products are made to conform to the Mil standard but are for commercial applications and not QPL

**FOR TECHNICAL SUPPORT: PHONE 973-347-4040 / FAX 973-347-2111** [Back to Index](#)

## "N" Connectors

### Cable Plugs

"N" cable plugs are available in solder/clamp, solder/crimp, and twist-on versions to satisfy the installer's preference. Standard cable sizes are facilitated with these connectors for applications from satellite TV to Ethernet LAN installations.

Part Number	QPL	Description	RG/U Cable	Fig. No.
110A108A	☑	Solder/Clamp Plug	6A	88
110A108B	☑	Solder/Clamp Plug	8, 213	88
110A108F	☑	Solder/Clamp Plug	58	88
110A108G	☑	Solder/Clamp Plug	59, 62	88
110A205A	☑	Solder/Crimp Plug	6A	89
110A205B	☑	Solder/Crimp Plug	8, 213	89
110A205F	☑	Solder/Crimp Plug	58	89

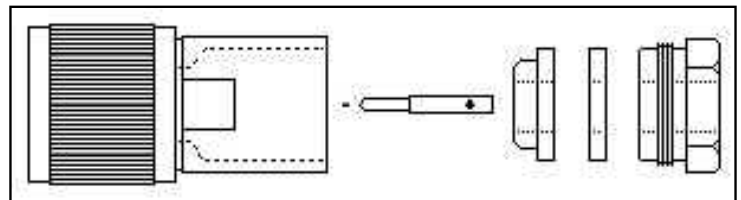


Fig. 88

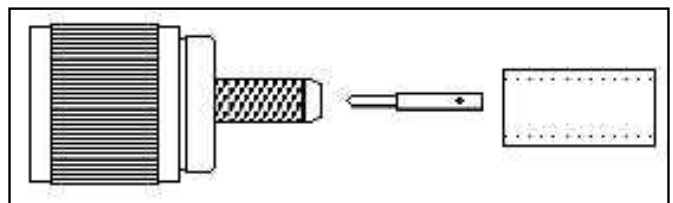


Fig. 89