

PIC Wire & Cable M39012 RF COAXIAL CONNECTORS

The table below lists PIC M39012 type RF Coaxial connectors for flexible RF coaxial cable, which are available from stock. All of PIC Connectors are made from high quality materials and exhibit excellent electrical properties such as low VSWR. Virtually all of PIC Connectors are manufactured to include a weather-proofing ferrule to deter moisture ingress into the connector body. They also come with a piece of adhesive heat shrink tubing which provides additional weather-proofing and acts as a strain relief. All outer contacts are made from Beryllium Copper for a secure, solid contact cycle after cycle and are machined, not stamped for extra durability. All connectors are manufactured to MIL-STD-348 interface specifications.

Applicable Standards

MIL-STD-348 (RADIO FREQUENCY CONNECTOR INTERFACES)
MIL-PRF-39012 (CONNECTORS, COAXIAL, RADIO FREQUENCY, GENERAL SPECIFICATION FOR)

SPECIFICATIONS

ELECTRICAL (Unless Otherwise Noted on Individual Specification Sheet)

Conn. Type	TNC	BNC	N	C	SMA
Frequency Range	0 -12 GHz	0 – 4 GHz	0 – 12 GHz	0 – 12 GHz	0 – 12 GHz
Voltage rating	500 VRMS	500 VRMS	1000 VRMS	1000 VRMS	335 VRMS
Insulation Resistance	5000 Megohms min	5000 Megohms Min	5000 Megohms min	5000 Megohms min	5000 Megohms min
Dielectric Withstanding Voltage	1500 VRMS	1500 VRMS	1500 VRMS	3000 VRMS	750 VRMS
VSWR	1.3:1 Max @ 12 GHz	1.3:1 Max @ 4 GHz	1.45:1 Max @ 12 GHz	1.35:1 Max @ 11 GHz	1.4 Max @ 12 GHz
Insertion loss	.20 dB Max @ 12 GHz	.26 dB Max @ 4 GHz	.20 dB Max @ 12 GHz	.17 dB Max @ 12 GHz	.20 dB Max @ 12 GHz

MATERIAL (Unless Otherwise Noted on Individual Specification Sheet)

Conn. Type	TNC	BNC	N	C	SMA
Body	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16	Stainless Steel ASTM-A582
Ferrule	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16
Dielectric	TFE, ASTM-D1710	TFE, ASTM-D1710	TFE, ASTM-D1710	TFE, ASTM-D1710	TFE, ASTM-D1710
Center Contact Male	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16	Brass, ASTM-B16
Center Contact Female	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196
Outer Contact	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196	Beryllium Copper, ASTM-B196
Gasket	Silicon Rubber, ZZ-R-765	Silicon Rubber, ZZ-R-765	Silicon Rubber, ZZ-R-765	Silicon Rubber, ZZ-R-765	Silicon Rubber, ZZ-R-765

All center contacts are gold plated per MIL-G-45204B
All Brass connector bodies and ferrules are Nickel plated.