

Performance Data Summary
For Gold Plated Crimp Style Coaxial Connectors

Gold Plated Crimp Style Coaxial Connectors

Mechanical

Captive Contacts — Terminated connector contacts captivated from movement in both directions.

Cable Retention —
50 Ohm connectors, 15 lb. min.
70 Ohm connectors, 25 lb. min.
93 Ohm connectors, 25 lb. min.

Recommended Coupling Torque (Threaded Interface) —
8 inch/pounds max. [.904 Nm]

Recommended Receptacle Mounting Torque (Threaded Interface) — 8 inch/pounds max. [.904 Nm]

Contact Protection (Unmated) —
Pin contact protected by coupling nut.
Socket protected by insulator and housing.

Assembly Methods

Straight Plugs & Jacks — Cable Inner Conductor: Crimped to contact. Cable Shield: Crimped under housing.

Right-Angle Plugs — Cable Inner Conductor: Crimped to contact. Cable Shield: Crimped under housing.

Environmental

Temperature Range (Continuous Service) — -80°F to +392°F. [-62°C to +200°C].

Vibration^{1,2} — MIL-STD-202, Method 204, Test condition B (15 G peak). No physical damage or electrical discontinuities in excess of 1 microsecond.

Shock^{1,2} — MIL-STD-202, Method 213, Test Condition H. No physical damage or electrical discontinuity after shock.

Thermal Shock — MIL-STD-202, Method 107, Test Condition C.

Moisture Resistance¹ — MIL-STD-202, Method 106.

Salt Spray¹ — MIL-STD-202, Method 101, Test Condition B (48 hours).

Electrical

Impedance — Designed to be compatible with 50, 70, or 93 Ohm miniature coaxial cable.

Dielectric Withstanding Voltage — 1000 volts RMS at sea level.

Contact Resistance — 4 milliohms max., D.C.

Contact Capacity — 3 amps, D.C.

Insulation Resistance — 5×10^3 Megohms min. @ 500 volts D.C.

Voltage Standing Wave Ratio³ (VSWR) — Typical 50 Ohm series, 1.2 max. to 2 GHz.

Materials

Housing, Nut, Inner Sleeve — Brass per ASTM-B-16, 35% Zinc.

Insulator — TEFLON per ASTM-D-1710.

Pin & Socket Contacts — Beryllium Copper per ASTM-B-196.

Middle Sleeve — Copper Alloy.

Facial Seal⁴, Sealing Sleeve & Gasket — Silicone Rubber per ZZ-R-765.

Lockwasher — #425 Bronze Alloy.

Plating

Contacts, Housing, Nut, Inner Sleeve, Middle Sleeve, Lockwasher — Gold per MIL-G-45204, Type II, Grade C, Class 1.

NOTES:

¹Screw-On Series threaded interface.

²Tyco Electronics recommends the use of wired connectors in vibration and shock environments. See individual specifications for connectors with wire holes.

³VSWR is a system specification. Where performance is critical, purchase Tyco Electronics cable assemblies (See page 127) and specify VSWR testing and mating connector part numbers.



Gold Plated Crimp Style Coaxial Connectors — Screw-On Series

Straight Plugs

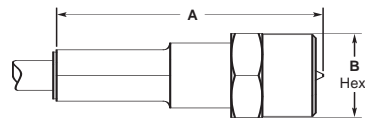


Fig. 1
Partial Hex. Nut

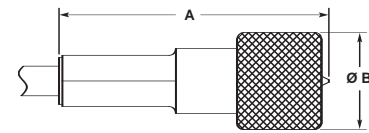


Fig. 2
Knurl Nut

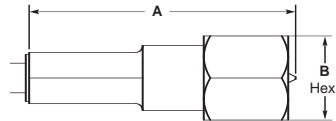


Fig. 3
Full Hex. Nut

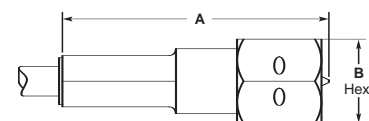


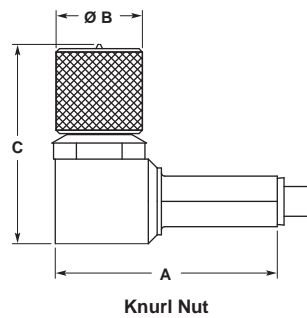
Fig. 4
Hex. Nut w/ 3 Safety Wire Holes

Part No.	Fig.	Dim. A	Dim. B	Cable Max.	Special Features	Instruction Sheet No.	Former MICRODOT I.S. No.
50 Ohm Series .190 [4.83] -32 UNF-2B Thread							
132-0112-0001	1	.800 20.32	.250 6.35	.088 2.24		408-08508	RF-ASMB-8
132-0112-0002	2	.800 20.32	.250 6.35	.088 2.24		408-08508	RF-ASMB-8
132-0112-0003	3	.800 20.32	.250 6.35	.088 2.24		408-08508	RF-ASMB-8
132-0112-0004	4	.800 20.32	.250 6.35	.088 2.24		408-08508	RF-ASMB-8
132-0113-0001	1	.800 20.32	.250 6.35	.088 2.24	With environmental seal	408-08508	RF-ASMB-8
132-0113-0002	2	.800 20.32	.250 6.35	.088 2.24	With environmental seal	408-08508	RF-ASMB-8
132-0113-0003	3	.800 20.32	.250 6.35	.088 2.24	With environmental seal	408-08508	RF-ASMB-8
132-0113-0004	4	.800 20.32	.250 6.35	.088 2.24	With environmental seal	408-08508	RF-ASMB-8
132-0114-0001	1	.800 20.32	.250 6.35	.110 2.79		408-08508	RF-ASMB-8
132-0114-0002	2	.800 20.32	.250 6.35	.110 2.79		408-08508	RF-ASMB-8
132-0114-0003	3	.800 20.32	.250 6.35	.110 2.79		408-08508	RF-ASMB-8
132-0114-0004	4	.800 20.32	.250 6.35	.110 2.79		408-08508	RF-ASMB-8
132-0115-0001	1	.800 20.32	.250 6.35	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0115-0002	2	.800 20.32	.250 6.35	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0115-0003	3	.800 20.32	.250 6.35	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0115-0004	4	.800 20.32	.250 6.35	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0509-0002	2	.800 20.32	.250 6.35	.116 2.95	Dual shield cable version of RG 188 & 316	408-08508	RF-ASMB-8
70 Ohm Series .216 [5.49] -32 UNEF-2B Thread							
132-0200-0001	1	.800 20.32	.281 7.14	.110 2.79		408-08508	RF-ASMB-8
132-0200-0002	2	.800 20.32	.290 7.37	.110 2.79		408-08508	RF-ASMB-8
132-0200-0003	3	.800 20.32	.281 7.14	.110 2.79		408-08508	RF-ASMB-8
132-0200-0004	4	.800 20.32	.281 7.14	.110 2.79		408-08508	RF-ASMB-8
132-0201-0001	1	.800 20.32	.281 7.14	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0201-0002	2	.800 20.32	.290 7.37	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0201-0003	3	.800 20.32	.281 7.14	.110 2.79	With environmental seal	408-08508	RF-ASMB-8
132-0201-0004	4	.800 20.32	.281 7.14	.110 2.79	With environmental seal	408-08508	RF-ASMB-8

Straight Plugs (Continued)

Part No.	Fig.	Dim. A	Dim. B	Cable Max.	Special Features	Instruction Sheet No.	Former MICRODOT I.S. No.
93 Ohm Series .250 [6.35] -32 UNEF-2B Thread							
132-0300-0001	1	.795 20.19	.312 7.92	.155 3.94		408-08508	RF-ASMB-8
132-0300-0002	2	.795 20.19	.320 8.13	.155 3.94		408-08508	RF-ASMB-8
132-0300-0003	3	.795 20.19	.312 7.92	.155 3.94		408-08508	RF-ASMB-8
132-0300-0004	4	.795 20.19	.312 7.92	.155 3.94		408-08508	RF-ASMB-8
132-0301-0001	1	.795 20.19	.312 7.92	.155 3.94	With environmental seal	408-08508	RF-ASMB-8
132-0301-0002	2	.795 20.19	.320 8.13	.155 3.94	With environmental seal	408-08508	RF-ASMB-8
132-0301-0003	3	.795 20.19	.312 7.92	.155 3.94	With environmental seal	408-08508	RF-ASMB-8
132-0301-0004	4	.795 20.19	.312 7.92	.155 3.94	With environmental seal	408-08508	RF-ASMB-8

Right-Angle Plugs



Part No.	Dim. A	Dim. B	Dim. C	Cable Jacket Max.	Special Features	Instruction Sheet No.	Former MICRODOT I.S. No.
50 Ohm Series .190 [4.83] -32 UNF-2B Thread							
132-0116-0002	.660 16.76	.250 6.35	.620 15.75	.088 2.24		408-08509	RF-ASMB-11
132-0117-0002	.660 16.76	.250 6.35	.620 15.75	.088 2.24	With environmental seal	408-08509	RF-ASMB-11
132-0118-0002	.695 17.65	.250 6.35	.650 16.51	.110 2.79		408-08509	RF-ASMB-11
132-0119-0002	.695 17.65	.250 6.35	.650 16.51	.110 2.79	With environmental seal	408-08509	RF-ASMB-11
70 Ohm Series .216 [5.49] -32 UNEF-2B Thread							
132-0202-0002	.695 17.65	.290 7.37	.650 16.51	.110 2.79		408-08509	RF-ASMB-11
132-0203-0002	.695 17.65	.290 7.37	.650 16.51	.110 2.79	With environmental seal	408-08509	RF-ASMB-11
93 Ohm Series .250 [6.35] -32 UNEF-2B Thread							
132-0302-0002	.710 18.03	.320 8.13	.680 17.27	.155 3.94		408-08509	RF-ASMB-11
132-0303-0002	.710 18.03	.320 8.13	.680 17.27	.155 3.94	With environmental seal	408-08509	RF-ASMB-11

Gold Plated Crimp Style Coaxial Connectors — Screw-On Series (Continued)

Jacks

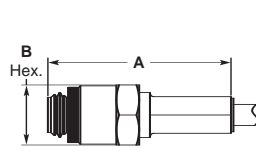


Fig. 1

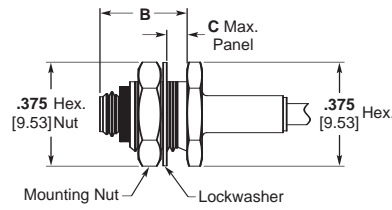
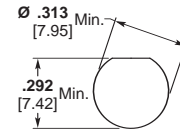


Fig. 2



Mounting Hole

Part No.	Fig.	Dim. A	Dim. B	Dim. C	Cable Jacket Max.	Special Features	Instruction Sheet No.	Former MICRODOT I.S. No.
50 Ohm Series .190 [4.83] -32 UNF-2B Thread								
131-0134-0001	1	.770 19.56	.250 6.35	—	.088 2.24		408-08508	RF-ASMB-8
131-0135-0001	2	.770 19.56	.360 9.14	.105 2.67	.088 2.24		408-08508	RF-ASMB-8
131-0136-0001	1	.770 19.56	.250 6.35	—	.110 2.79		408-08508	RF-ASMB-8
131-0137-0001	2	.770 19.56	.360 9.14	.105 2.67	.110 2.79		408-08508	RF-ASMB-8
131-0150-0001	1	.770 19.56	.250 6.35	—	.116 2.95	Dual Shield Cable Version of RG 188 & 316	408-08508	RF-ASMB-8
131-0151-0001	2	.770 19.56	.360 9.14	.105 2.67	.116 2.95	Dual Shield Cable Version of RG 188 & 316	408-08508	RF-ASMB-8
70 Ohm Series .216 [5.49] -32 UNEF-2B Thread								
131-0200-0001	1	.770 19.56	.281 7.14	—	.110 2.79		408-08508	RF-ASMB-8
131-0201-0001	2	.770 19.56	.360 9.14	.100 2.54	.110 2.79		408-08508	RF-ASMB-8
93 Ohm Series .250 [6.35] -32 UNEF-2B Thread								
131-0300-0001	1	.760 19.30	.312 7.92	—	.155 3.94		408-08508	RF-ASMB-8
131-0301-0001	2	.760 19.30	.350 8.89	.095 2.41	.155 3.94		408-08508	RF-ASMB-8