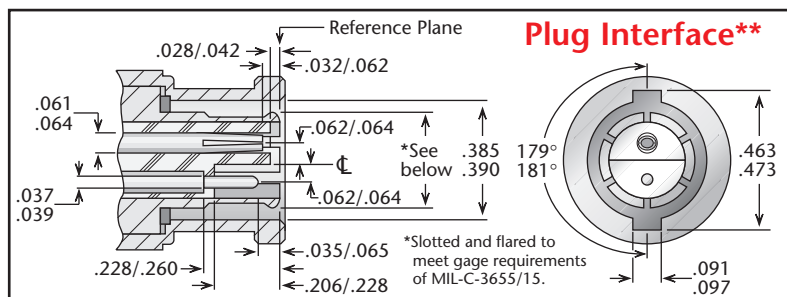


General Description

Delta TWBNC connectors are compact, 78Ω impedance twinaxial connectors with two-stud bayonet coupling. They are similar in size to BNC connectors, and are best suited for use with RG-108/U and similar twinaxial cables. Both plugs and jacks in TWBNC series contain one male contact and one female contact, with mating polarization provided by a stepped insulator. Delta TWBNC connectors are designed and manufactured to meet the requirements of MIL-C-3655.

TWBNC Specifications*



Electrical:

Nominal Impedance: 78Ω.

Frequency Range: DC–500 MHz.

Voltage Rating: 500 volts RMS.

Dielectric Withstanding Voltage: 1,500 VRMS.

Insulation Resistance: 5,000 megohms.

Materials/Finishes:

Insulators: Teflon per ASTM D1710.

Male Contacts: Brass per ASTM B16.

Female Contacts: Beryllium Copper per ASTM B196.

Contact Plating: Silver per QQ-S-365, or Gold per MIL-G-45204.

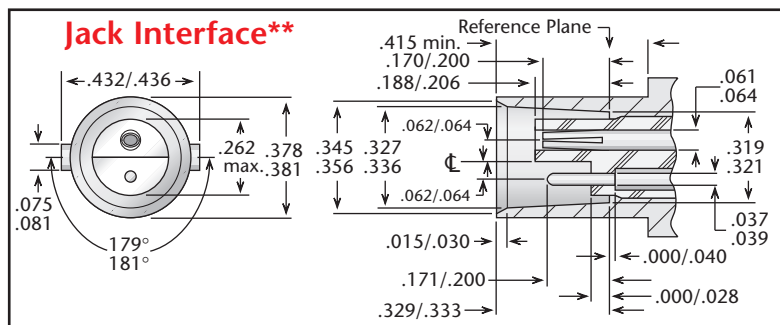
Gaskets: Silicone rubber per ZZ-R-765, Class II, Grade 50.

Other Metal Parts: Brass per ASTM B16, plated: Silver per QQ-S-365, or Nickel per QQ-N-290.

All other specifications are in accordance with the latest issues of MIL-PRF-39012, or MIL-C-3655, or other applicable MIL specifications, and interfaces are in accordance with MIL-STD-348.

*These specifications are typical and may not apply to all connectors. Detailed specifications for individual connectors are available on request.

**Some proportions altered to illustrate detail.



Cable Connectors—For Flexible Cable

Figure 1
(Cable plug, clamp type)

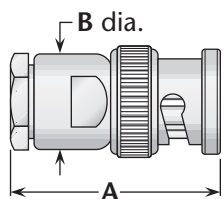


Figure 2
(Cable plug, crimp type)

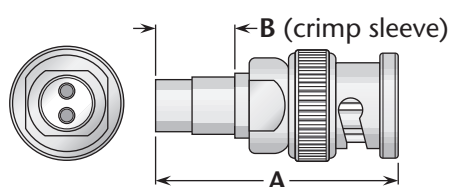


Figure 3
(Straight jack, clamp type)

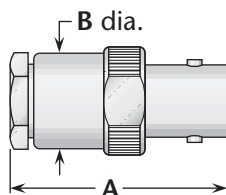
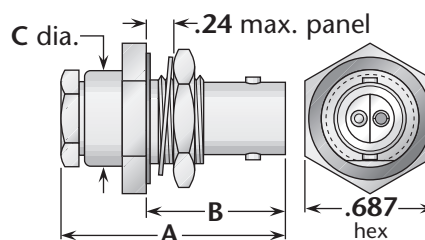


Figure 4
(Bulkhead jack, rear mount, clamp type)



Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/Trim Code
		A	B	C		Body	Contact		
27	1	1.16	.50	—	—	Nickel	Gold (C)	6101-099-N001	***
27	2	1.28	.41	—	—	Nickel	Silver (C)	6102-099-N001	***
27	3	1.13	.50	—	—	Nickel	Gold (C)	6108-099-N001	***
27	4	1.13	.81	.50	59	Nickel	Gold (C)	6116-099-N591	***