

General Description

Delta C series connectors are medium-size, 50Ω impedance connectors with two-stud bayonet coupling and good power handling capability, particularly those connectors noted as high-voltage types. They are best suited for use with cables in the range of .350" to .450" diameter, but are available for other cables from .100" to over 1" diameter. Our extensive line of C receptacles includes configurations for virtually any packaging requirement, and we can supply any adapter or accessory you need to complete your system design. Adapters between C and other series are shown starting on page 176.

As with our other connector series, Delta's customer-driven design results in C series connectors with practical and unique features that make your design and assembly process easier. Some of these include:

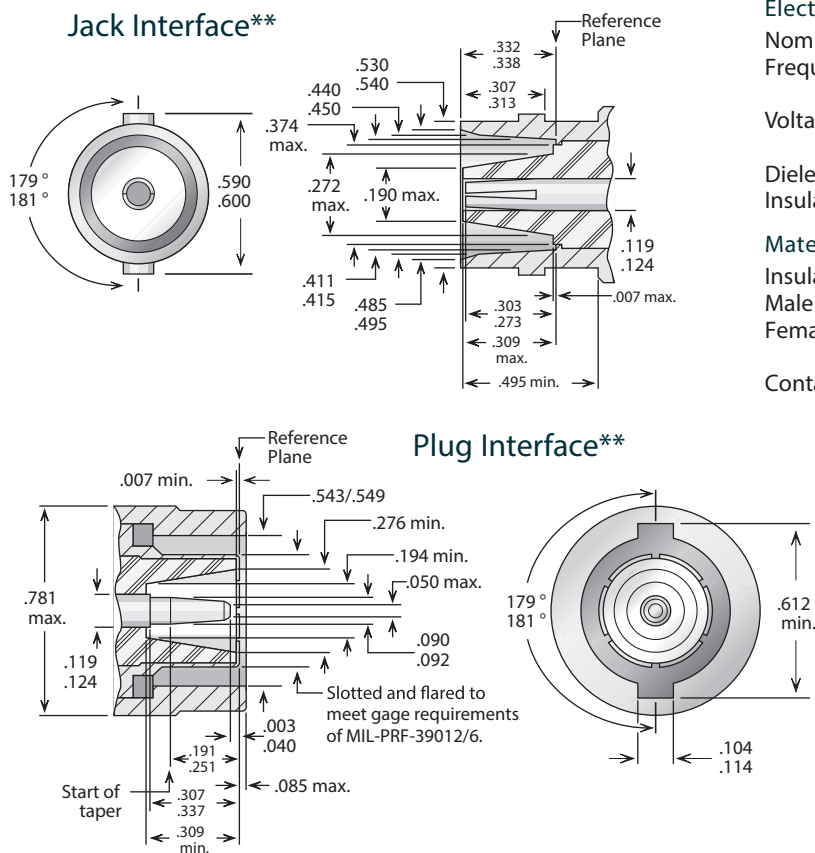
- High-voltage types for high-power applications.
- Cable plugs and jacks for armored cables.

Our C series product line is still growing, so please call if you don't see what you need.

C Configurations

Straight Cable Plugs	35	Dummy Receptacles	37
Right Angle Cable Plugs	35	Panel Plug Receptacles.....	38
Straight Cable Jacks	36	Bulkhead Jack Receptacles	38
Bulkhead Cable Jacks	36	Dust Caps.....	39
Panel Cable Jacks.....	37	In-Series Adapters	39
Panel Jack Receptacles (square flange)	37		

C Specifications*



Electrical:

Nominal Impedance: 50 ohms.
 Frequency Range: DC-11 GHz (standard);
 DC-2 GHz (high-voltage).
 Voltage Rating: 1,000 volts RMS (standard);
 3,000 volts RMS (high-voltage).
 Dielectric Withstanding Voltage: 3,000 VRMS.
 Insulation Resistance: 5,000 megohms.

Materials/Finishes:

Insulators: Teflon per ASTM D1710.
 Male Contacts: Brass per ASTM-B-16.
 Female Contacts: Beryllium Copper per ASTM-B-196.
 Contact Plating: Silver - ASTM B700
 Gold - MIL-DTL-45204.
 Gaskets: Silicone rubber per ZZ-R-765,
 Class II, Grade 50.
 Other Metal Parts: Brass per ASTM B16,
 Plated: Silver - ASTM B700
 Nickel - AMS-QQ-N-290.

All other specifications are in accordance with the latest issues of MIL-PRF-39012, or MIL-A-55339, 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.