

C SERIES 14

The DELTA C SERIES 14 connectors are medium size, low voltage, constant impedance 50 ohm connectors utilizing bayonet locking — a quick-disconnect feature. They are gasketed for weatherproofing. Voltage rating is 1000 volts peak.

All DELTA connectors are available in silver or non-tarnishing Delphate finish.

GENERAL SPECIFICATIONS, MATERIALS AND FINISHES

PERFORMANCE

NOMINAL IMPEDANCE

50 Ohms

VOLTAGE RATING

500 volts RMS maximum at Sea Level, 125 volts RMS maximum at 70,000 feet.

FREQUENCY RANGE

0 to 11 GHz

TEMPERATURE RANGE

-65°C to +165°C.

INSULATION RESISTANCE

Method 302, Test Condition B, MIL-STD-202. 5,000 megohms minimum.

DIELECTRIC WITHSTANDING VOLTAGE

Method 301, MIL-STD-202. 1,500 volts RMS minimum at Sea Level.

MATING

Bayonet-lock — 2 stud

CAPTIVE CONTACTS

(where noted) — Axial movement of center contact is eliminated by use of a rear insulator which acts as a contact stop and restricts cable dielectric movement caused by cable flexing and/or temperature changes.

VIBRATION

Method 204, Test Condition B, MIL-STD-202. No discontinuity permitted.

SHOCK

Method 213, Test Condition I, MIL-STD-202. No discontinuity permitted.

THERMAL SHOCK

Method 107, Test Condition B, MIL-STD-202, except test high temperature shall be +85°C. High temperature shall be +200°C for connectors using +200°C cables.

CORROSION

Method 101, Test Condition B, MIL-STD-202.

MOISTURE RESISTANCE

Method 106, MIL-STD-202. No measurements at high humidity. Insulation resistance shall be at least 200 megohms within 5 minutes after removal from humidity.

DIELECTRICS:

Polytetrafluoroethylene (TFE Fluorocarbon) per L-P-403.

GASKETS:

Silicone Rubber per ZZ-R-765.

MATERIALS AND FINISHES

OUTER CONDUCTOR AND COMPONENTS

Brass per QQ-B-626

Plated silver .0002 thick per QQ-S-365 or Delplate.

CONTACTS

Male: Brass per QQ-B-626

Plated silver .0002 per QQ-S-365,
or

Plated gold per MIL-G-45204
Type II, Class 2 (.0001" Min.)
over copper per MIL-C-14550

Female: Beryllium copper
per QQ-C-530

Plated silver .0002 per QQ-S-365,
or

Plated gold per MIL-G-45204
Type II, Class 2 (.0001" Min.)
over copper per MIL-C-14550