

N SERIES 11

The DELTA N SERIES 11 connectors are medium-size, low voltage, constant impedance 50 ohm connectors utilizing a screw type coupling. They are gasketed for weatherproofing. Voltage rating is 500 volts peak.

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

GENERAL SPECIFICATIONS, MATERIALS AND FINISHES

PERFORMANCE

NOMINAL IMPEDANCE

50 Ohms

VOLTAGE RATING

1,000 volts peak at Sea Level,
250 volts at 70,000 feet.

FREQUENCY RANGE

0 to 11 GHz

TEMPERATURE RANGE

Teflon - 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— 5/8—24 NEF —
2 thread

CRIMPING (where noted) —

The braid clamping operation
is accomplished by use of an
inexpensive, standard,
commercially-available crimping
tool.

CAPTIVE CONTACTS

(where noted) — Axial move-
ment of center contact is
eliminated by use of a rear
insulator which acts as a con-
tact 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.

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

DIELECTRICS —

Polytetrafluoroethylene (TFE
Fluorocarbon) per L-P-403 or
Rexolite, dielectric material
for each connector noted in
tabulation.

GASKETS

Silicone Rubber per
ZZ-R-765.