

## HN SERIES 16

The DELTA HN SERIES 16 connectors are medium-size, low voltage, constant impedance 50 ohm connectors utilizing a screw type coupling. They are gasketed for weatherproofing. Voltage rating is 5000 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

5,000 volts peak

##### FREQUENCY RANGE

0 to 4 GHz

##### TEMPERATURE RANGE

Teflon -67 to +390F

Rexolite -67 to +185F

##### INSULATION RESISTANCE

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

##### DIELECTRIC WITHSTANDING VOLTAGE

Method 301, MIL-STD-202.  
5,000 volts RMS minimum  
at Sea Level.

**MATING** - 3/4 - 20 NEF -  
2 thread

##### 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.

##### CORROSION

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

#### 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 per MIL-P-77.

##### GASKETS:

Silicone Rubber  
per ZZ-R-765.