

MAXI-CON-X® FIELD INSTALLABLE CONNECTORS



Cable Pin
13X8X-XXPG-XXX
Matching Mates:
• **Cable-Cable**
15X8X-XXSG-XXX
• **Panel**
14XXX-XXSG-XXX



Panel Mount
14X8X-XXXG-XXX
Matching Mates:
• **Cable Pin**
13X8X-XXPG-XXX
• **Cable Socket**
13X8X-XXSG-XXX



P/C Tail Panel Mount
14XXX-XXXG-XXX
Matching Mates:
• **Cable Pin**
13X8X-XXPG-XXX
• **Cable Socket**
13X8X-XXSG-XXX



Cable Socket
13X8X-XXSG-XXX
Matching Mates:
• **Cable-Cable**
15X8X-XXPG-XXX
• **Panel**
14XXX-XXPG-XXX



Cable to Cable
15X8X-XXXG-XXX
Matching Mates:
• **Cable Pin**
13X8X-XXPG-XXX
• **Cable Socket**
13X8X-XXSG-XXX



Winged Coupling Ring
W/14482



Dust Cap
14295

Molded Cable Assemblies (See pages 3 & 26)



Cable End



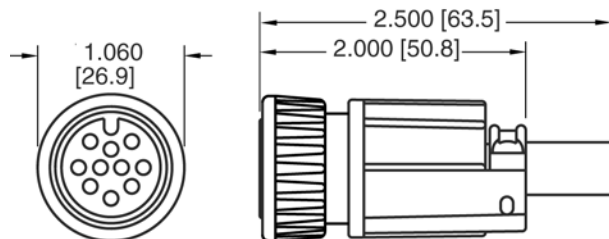
Cable to Cable



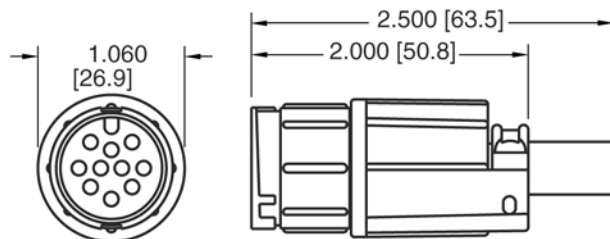
Right Angle

MAXI-CON-X® FIELD INSTALLABLE CONNECTORS

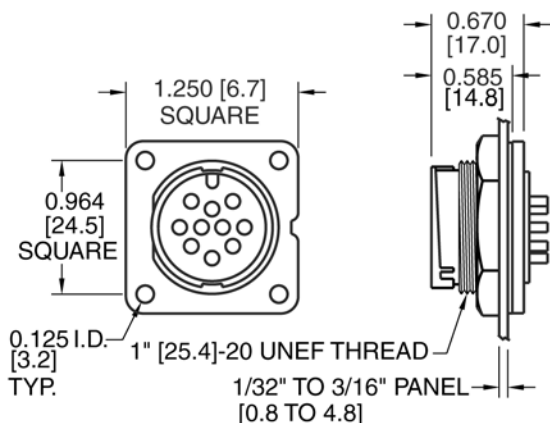
Dimensions



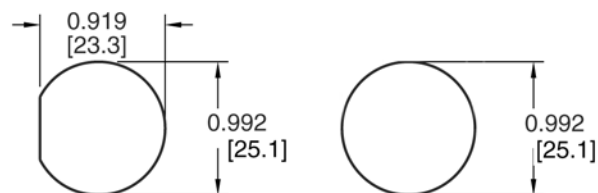
CABLE END CONNECTOR
STYLE 3 THREADED BACKSHELL



CABLE TO CABLE CONNECTOR
STYLE 3 THREADED BACKSHELL

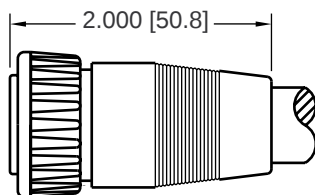


PANEL MOUNT CONNECTOR
SHOWN WITH HEX NUT AND GASKET

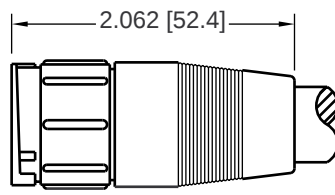


**RECOMMENDED
PANEL CUT-OUT**
±.003 [±0.1]

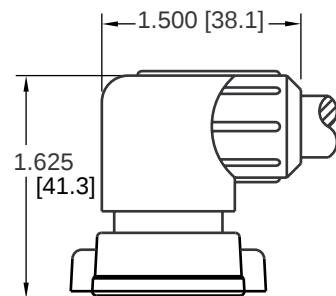
Molded Cable Assemblies (See pages 3 & 26)



CABLE END ASSEMBLY
STRAIGHT BOOT
0.545 [13.8] MAX. CABLE O.D.



CABLE TO CABLE ASSEMBLY
STRAIGHT BOOT
0.545 [13.8] MAX. CABLE O.D.



CABLE END ASSEMBLY
90° BOOT
0.445 [11.3] MAX. CABLE O.D.

MAXI-CON-X® FIELD INSTALLABLE CONNECTORS

Part Number to Order

XX X XX-XX XG-3XX

Connector Type: _____

13 - Cable End
14 - Panel Mount
15 - Cable to Cable

Contact Size: _____

1 - #12 (7 Contacts)
2 - #20 (18 & 20 Contacts)
3 - #16 (10 Contacts)

Contact Style: _____

80 - Crimp (Supplied loose)
81 - P/C Tail .187" (4.7) (Supplied assembled)
82 - Solder Cup (Supplied assembled)
91 - P/C Tail .280" (7.1) (Supplied assembled)*
92 - P/C Tail .335" (8.5) (Supplied assembled)*

Number of Contacts: _____

7, 10, 18 & 20

Type of Contact: _____

P - Pin
S - Socket

Contact Plating: _____

G - Gold over Nickel (Standard)

EMI/RFI shielded assemblies available - consult factory.

*Available in #20 size contact only.

Consult factory for optional threaded coupling.

Consult factory for your custom design cable assemblies and connectors. (See pages 3 & 26)

Grommet Code -

Cable O.D. Range:

21 - .21 - .25 (5.3-6.3)
26 - .26 - .30 (6.6-7.6)
31 - .31 - .38 (7.8-9.6)

**Back
Shell
Style 3**

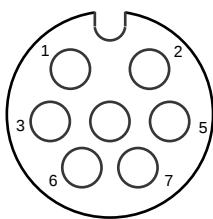
Back Shell Style:

3 Mechanical screw-down
cable clamp with grommet
seal and (1) interfacial "O"
ring for cable end.

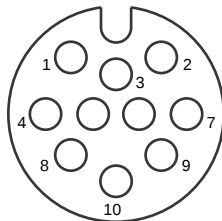
300 - Panel mount with hex nut &
gasket.

3ES - 300 with Epoxy

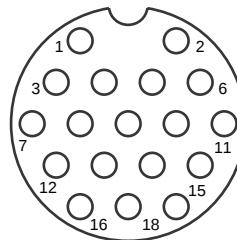
Contact Arrangements



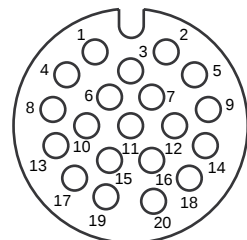
7-#12



10-#16



18-#20



20-#20*

Contact arrangements shown are wiring view of cable end pins/sockets.

Key/keyway shown for orientation only.

*Available in connector types: cable end socket, panel mount pin styles only.

MAXI-CON-X® FIELD INSTALLABLE CONNECTORS

Specifications

Typical Specifications

Manufacturers Identifications

Description

Rating

Conductor Size

Configuration

Certification

Maxi-Con-X®

Field Installable Connector & Custom Cable Assemblies

1.35 thru 13.0A, 600V

#12 Contacts, 12 thru 14 AWG

#16 Contacts, 16 thru 18 AWG

#20 Contacts, 20 thru 24 AWG

7 - #12 Contacts

10 - #16 Contacts

18 - #20 Contacts

20 - #20 Contacts

UL Recognized File #E138878 - 250V

CSA Certified File #LR89277 - 600V

Material Specifications

Cable Pin/Socket

Mechanical Backshell (Threaded)

Strap

Screws

Grommet

Coupling Ring

Contacts

Connector Body

O-Ring

Optional

Winged Coupling Ring

Cable to Cable

Mechanical Backshell (Threaded)

Grommet

Strap

Screws

Contacts

Connector Body

Panel Mount

Contacts

Panel Body

Gasket

Hex Nut

Optional

Dust Cap

Nylon, UL Recognized, Black

Nylon, UL Recognized, Black

Cadmium Plated

Santoprene Rubber, Black

Nylon, UL Recognized, Black

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Nitrile Rubber, Black

Nylon, UL Recognized, Black (W/14482)

Nylon, UL Recognized, Black

Santoprene Rubber, Black

Nylon, UL Recognized, Black

Cadmium Plated

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Nitrile Rubber, Black

Nylon, UL Recognized, Black

Santoprene Rubber, Black (Part No. 14295)

Mechanical Specifications

Durability

Vibration

Hex Nut Torque

Minimum 300 mate/unmate cycles without mechanical or electrical failure

Coupling rings have overriding locking feature to prevent loosening or separation of connector

All series hex nut to withstand 10-12 inch/lb tightening torque

Electrical Specifications

Voltage

Current

600 V

See Electrical Current Rating Chart (Page 27)

Environmental Specifications

Temperature Rating

Corrosion

Weathertight

-55°C to +125°C (-67°F to +257°F)

300 Hr salt spray contacts

Consult factory with specific application

Molded Cable Assemblies

Watertight

(See Pages 3 & 26)

NEMA 6P, 13: IEC IP67