

# 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**



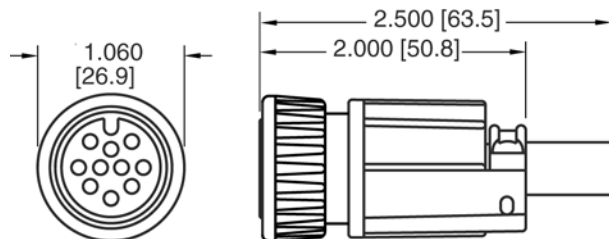
**Cable to Cable**



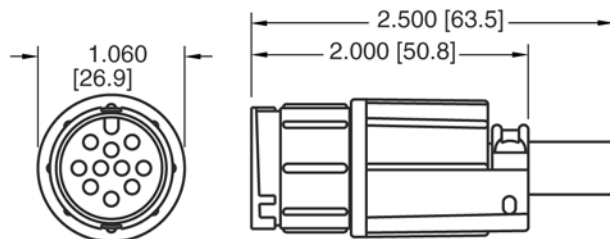
**Right Angle**

# MAXI-CON-X® FIELD INSTALLABLE CONNECTORS

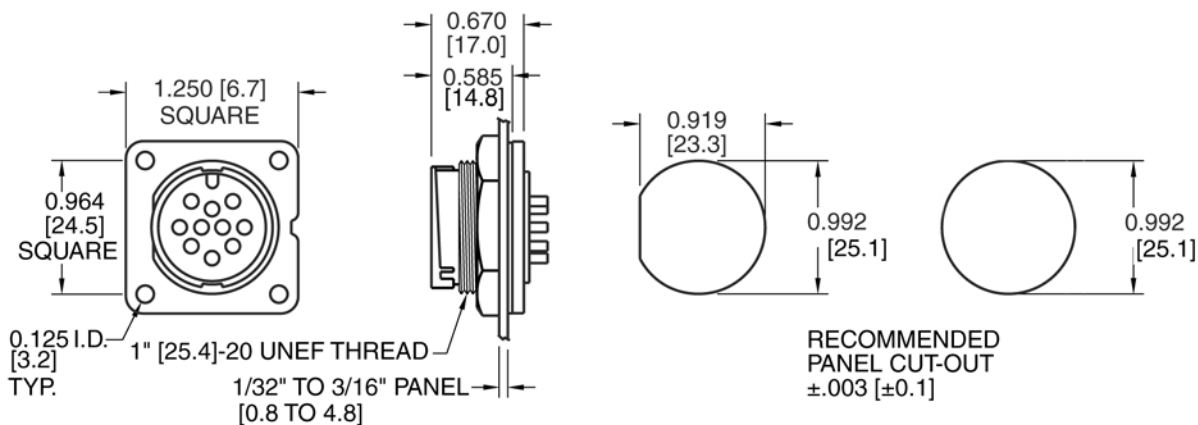
## Dimensions



**CABLE END CONNECTOR**  
STYLE 3 THREADED BACKSHELL

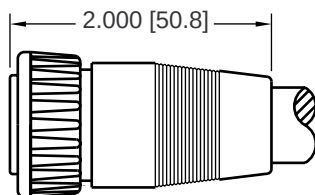


**CABLE TO CABLE CONNECTOR**  
STYLE 3 THREADED BACKSHELL

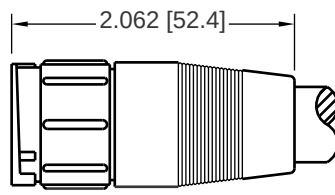


**PANEL MOUNT CONNECTOR**  
SHOWN WITH HEX NUT AND GASKET

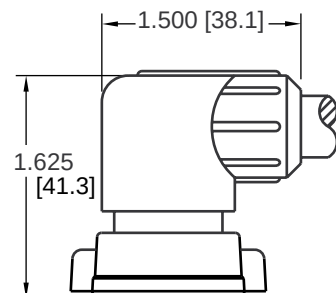
## Molded Cable Assemblies (See pages 3 & 26)



**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)**

**Back  
Shell  
Style 3**

**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)

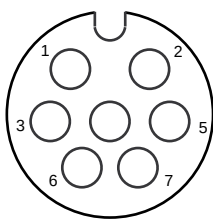
**Back Shell Style:**

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

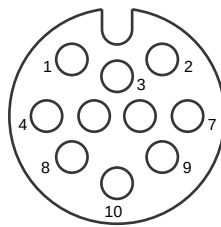
300 - Panel mount with hex nut & gasket.

3ES - 300 with Epoxy

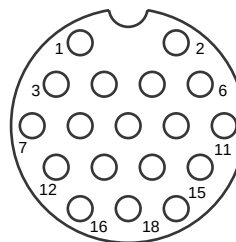
## Contact Arrangements



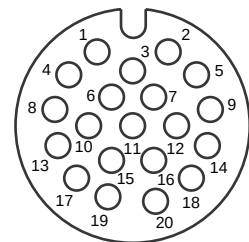
7-#12



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