

MICRO-CON-X® FIELD INSTALLABLE CONNECTORS



Cable Pin

1628X-XPX-XXX

Matching Mates:

- Cable-Cable
1828X-XSG-XXX
- Panel
172XX-XSG-XXX



Panel Mount

1728X-XXG-XXX

Matching Mates:

- Cable Pin
1628X-XPX-XXX
- Cable Socket
1628X-XSG-XXX



P/C Tail Panel Mount

172XX-XXG-XXX

Matching Mates:

- Cable Pin
1628X-XPX-XXX
- Cable Socket
1628X-XSG-XXX



Cable Socket

1628X-XSG-XXX

Matching Mates:

- Cable-Cable
1828X-XPX-XXX
- Panel
172XX-XPX-XXX



Cable to Cable

1828X-XXG-XXX

Matching Mates:

- Cable Pin
1628X-XPX-XXX
- Cable Socket
1628X-XSG-XXX



Dust Cap

16295

Molded Cable Assemblies (See pages 3 & 26)



Cable End



Cable to Cable



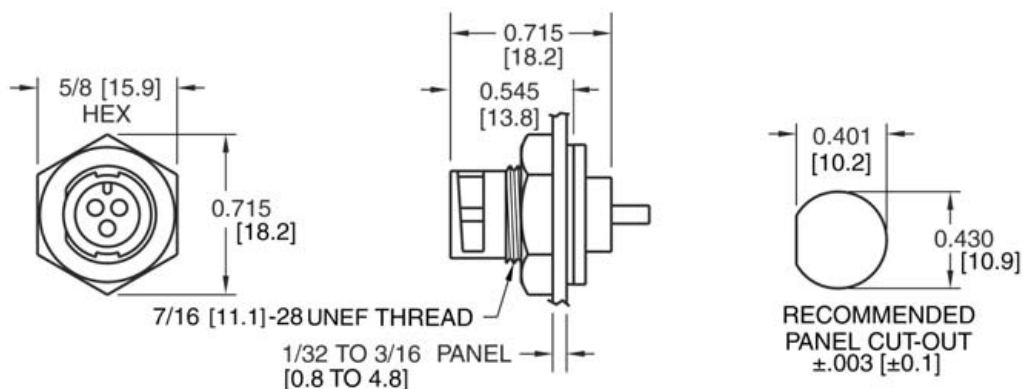
Right Angle

MICRO-CON-X® FIELD INSTALLABLE CONNECTORS

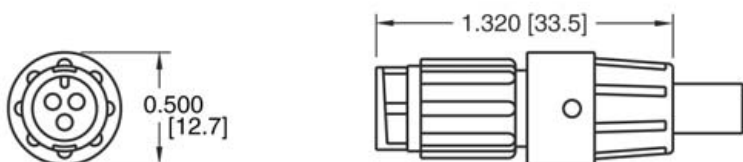
Dimensions (Dimensions in brackets are in millimeters)



CABLE END CONNECTOR - WITH SNAP LOCK BACKSHELL (NON-REMOVABLE)

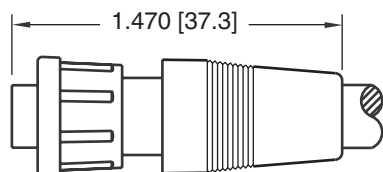


PANEL MOUNT CONNECTOR - SHOWN WITH HEX NUT AND GASKET

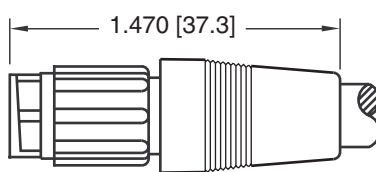


CABLE TO CABLE CONNECTOR - WITH SNAP LOCK BACKSHELL (NON-REMOVEABLE)

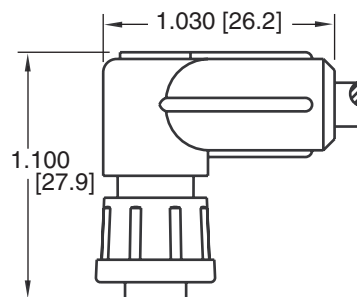
Molded Cable Assemblies (See pages 3 & 26)



CABLE END ASSEMBLY
STRAIGHT BOOT
0.280 [7.1] MAX. CABLE O.D.



CABLE TO CABLE ASSEMBLY
STRAIGHT BOOT
0.280 [7.1] MAX. CABLE O.D.



CABLE END ASSEMBLY
90° BOOT
0.280 [7.1] MAX. CABLE O.D.

MICRO-CON-X® FIELD INSTALLABLE CONNECTORS

Part Number to Order

XX X XX-XXG-3XX	
Connector Type: _____ 16 - Cable End 17 - Panel Mount 18 - Cable to Cable Contact Size: _____ 2 - #20 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: _____ 2 or 3 Type of Contact: _____ P - Pin S - Socket Contact Plating: _____ G - Gold over Nickel (Standard)	Grommet Code – Cable O.D. Range: 11 - .09 - .14 (2.3-3.5) 15 - .15 - .17 (3.8-4.3) 18 - .18 - .20 (4.6-5.1) Back Shell Style 3 3 - Weathertight Grommet Grip/Seal & (1) interfacial "O" Ring 300 - Panel mount with hex nut & gasket 3ES - 300 with Epoxy

*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)

Contact Arrangements



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

Key/keyway shown for orientation only.

For higher density patterns, consult factory.

MICRO-CON-X® FIELD INSTALLABLE CONNECTORS

Specifications

Typical Specifications

Manufacturers Identifications

Description

Rating

Conductor Size

Configuration

Certification

Micro-Con-X®

Field Installable Connector & Custom Cable Assemblies

3.0 thru 7.5A, 600V

20 thru 24 AWG

2 & 3 #20 Contacts

UL Recognized File #E150822 - 250V

CSA Certified File #181200 - 600V

Material Specifications

Cable Pin/Socket

Backshell (Non-Removable Snap Lock)

Grommet

Coupling Ring

Contacts

Connector Body

O-Ring

Nylon, UL Recognized, Black

Santoprene Rubber, Black

Nylon, UL Recognized, Black

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Neoprene Rubber, Black

Cable to Cable

Backshell (Non-Removable Snap Lock)

Grommet

Contacts

Connector Body

Nylon, UL Recognized, Black

Santoprene Rubber, Black

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Panel Mount

Contacts

Panel Body

Gasket

Hex Nut

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Neoprene Rubber, Black

Nylon, UL Recognized, Black

Optional

Dust Cap

Santoprene Rubber, Black (Part No. 16295)

Gasket, O-Ring, & Grommet materials are suitable for -40°C to +90°C (-40°F to +194°F). Consult factory for higher temperature requirements.

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

-40°C to +115°C (-40°F to +239°F)

300 Hr salt spray contacts

Consult factory with specific application

Molded Cable Assemblies

Watertight

(See Pages 3 & 26)

NEMA 6P, 13: IEC IP67