

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



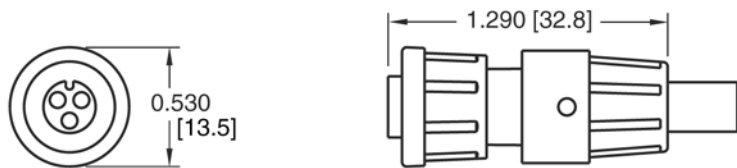
Cable to Cable



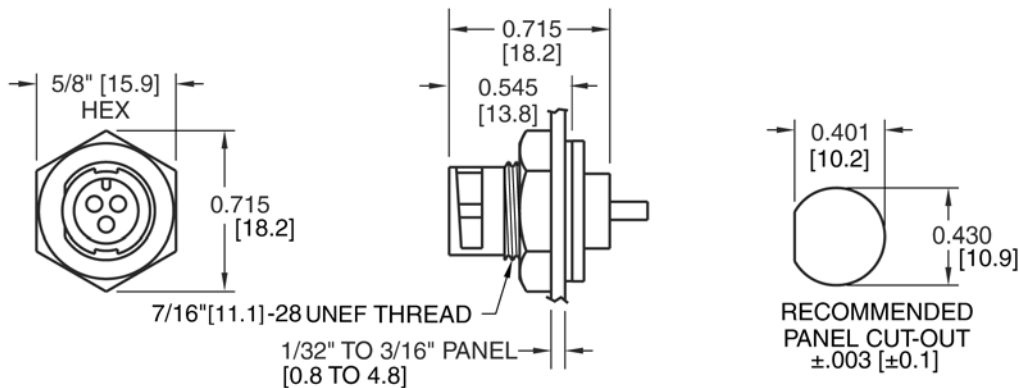
Right Angle

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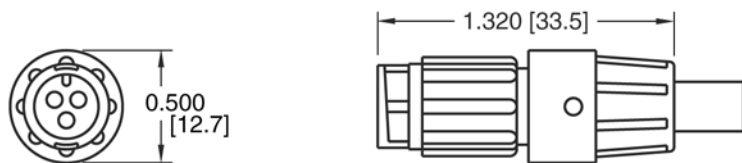
Dimensions



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

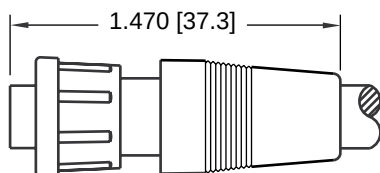


PANEL MOUNT CONNECTOR - SHOWN WITH HEX NUT AND GASKET

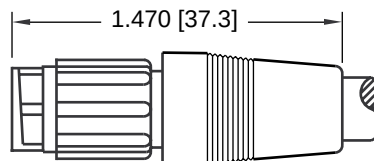


CABLE TO CABLE CONNECTOR - WITH SNAP LOCK BACKSHELL (NON-REMOVEABLE)

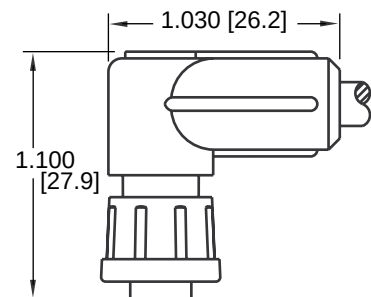
Molded Cable Assemblies (See pages 3 & 26)



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

Back Shell Style:

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.

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 #LR89277 - 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

Nitrile 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

Nitrile Rubber, Black

Nylon, UL Recognized, Black

Optional

Dust Cap

Santoprene Rubber, Black (Part No. 16295)

Mechanical Specifications

Durability

Minimum 300 mate/unmate cycles without mechanical or electrical failure

Vibration

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

Hex Nut Torque

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

Electrical Specifications

Voltage

600 V

Current

See Electrical Current Rating Chart (Page 27)

Environmental Specifications

Temperature Rating

-55°C to +125°C (-67°F to +257°F)

Corrosion

300 Hr salt spray contacts

Weathertight

Consult factory with specific application

Molded Cable Assemblies

Watertight

(See Pages 3 & 26)

NEMA 6P, 13: IEC IP67