

MULTI-CON-X® FIELD INSTALLABLE CONNECTORS



Cable Pin
3X8X-XPB-XXX
Matching Mates:
• **Cable-Cable**
5X8X-XSB-XXX
• **Panel**
4XXX-XSB-XXX



Panel Mount
4X8X-XXB-XXX
Matching Mates:
• **Cable Pin**
3X8X-XPB-XXX
• **Cable Socket**
3X8X-XSB-XXX



P/C Tail Panel Mount
4XXX-XXB-XXX
Matching Mates:
• **Cable Pin**
3X8X-XPB-XXX
• **Cable Socket**
3X8X-XSB-XXX



Cable Socket
3X8X-XSB-XXX
Matching Mates:
• **Cable-Cable**
5X8X-XPB-XXX
• **Panel**
4XXX-XPB-XXX



Cable to Cable
5X8X-XXB-XXX
Matching Mates:
• **Cable Pin**
3X8X-XPB-XXX
• **Cable Socket**
3X8X-XSB-XXX



Mechanical Back Shell
(Style #5)



Square Flange Adapter
4296



Square Flange Gasket
4297



Dust Cap
4295



Winged Coupling Ring
W/4482

Molded Cable Assemblies (See pages 3 & 26)



Cable End



Cable to Cable



Right Angle

MULTI-CON-X® FIELD INSTALLABLE CONNECTORS

Dimensions



Molded Cable Assemblies (See pages 3 & 26)



MULTI-CON-X® FIELD INSTALLABLE CONNECTORS

Part Number to Order

Connector Type: _____ 3 - Cable End 4 - Panel Mount 5 - Cable to Cable Contact Size: _____ 1 - #12 (2-4 Contacts) 2 - #20 (4-9 Contacts) 3 - #16 (4-6 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: _____ 2, 3, 4, 5, 6, 7, 8 & 9 Type of Contact: _____ P - Pin S - Socket Contact Plating: _____ G - Gold over Nickel (Standard)	X X XX-X XG-XXX Grommet Code – Cable O.D. Range: 15 - .15 - .17 (3.8-4.3) 18 - .18 - .20 (4.6-5.1) 21 - .21 - .23 (5.3-5.8) 24 - .24 - .27 (6.1-6.8) 28 - .24 - .28 (7.1-7.4) 30 - .30 - .32 (7.6-8.1) Back Shell Style 3 or 5 Back Shell Style: 3 - Weathertight grommet grip/seal & (1) interfacial "O"ring. 3DC - Daisy chain grommet with 3 I.D.s (.125, .188 & .250) 5 - Mechanical screw-down cable clamp with grommet seal. 300 - Panel mount with hex nut & gasket. 3ES - 300 with Epoxy (Panel Mount Only)
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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)

Contact Arrangements



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, and cable to cable pin styles only.

MULTI-CON-X® FIELD INSTALLABLE CONNECTORS

Specifications

Typical Specifications

Manufacturers Identifications

Description

Rating

Conductor Size

Multi-Con-X®

Field Installable Connector & Custom Cable Assemblies

1.95 thru 23.0A, 600V

#12 Contacts, 12 thru 14 AWG

#16 Contacts, 16 thru 18 AWG

#20 Contacts, 20 thru 24 AWG

Configuration

2 thru 4 #12 Contacts

4 thru 6 #16 Contacts

4 thru 9 #20 Contacts

Certification

UL Recognized File #E138878 - 250V

CSA Certified File #LR89277 - 600V

Material Specifications

Cable Pin/Socket

Backshell (Threaded)

Grommet

Coupling Ring

Contacts

Connector Body

O-Ring

Sleeve

Nylon, UL Recognized, Black (Style #3)

Santoprene Rubber, Black

Nylon, UL Recognized, Black

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Nitrile Rubber, Black

Nylon, UL Recognized, Black

Cable to Cable

Backshell (Threaded)

Grommet

Contacts

Connector Body

Nylon, UL Recognized, Black (Style #3)

Santoprene, Rubber, Black

Brass, Gold over Nickel

Nylon, UL Recognized, Black

Optional

Long Backshell (Threaded)

Winged Coupling Ring

Mechanical Backshell (Threaded)

– Strap

– Screws

Nylon, UL Recognized, Black (Style #3 with solder contacts)

Nylon, UL Recognized, Black (W/4482)

Nylon, UL Recognized, Black (Style #5)

Nylon, UL Recognized, Black

Cadmium Plated

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

Square Flange Adapter

Square Flange Adapter Gasket

Santoprene Rubber, Black (Part No. 4295)

Nylon, UL Recognized, Black (Part No. 4296)

Nitrile Rubber, Black (Part No. 4297)

Mechanical Specifications

Durability

Vibration

Minimum 300 mate/unmate cycles without mechanical or electrical failure

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

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