

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-XXG-XXX
Matching Mates:

- Cable Pin
3X8X-XPB-XXX
- Cable Socket
3X8X-XSB-XXX



P/C Tail Panel Mount
4XXX-XXG-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-XXG-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)



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Part Number to Order

| | | |
|---|-------------------------------|--|
| <p>Connector Type: _____</p> <p>3 - Cable End 4 - Panel Mount 5 - Cable to Cable</p> <p>Contact Size: _____</p> <p>1 - #12 (2-4 Contacts) 2 - #20 (4-9 Contacts) 3 - #16 (4-6 Contacts)</p> <p>Contact Style: _____</p> <p>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)*</p> <p>Number of Contacts: _____</p> <p>2, 3, 4, 5, 6, 7, 8 & 9</p> <p>Type of Contact: _____</p> <p>P - Pin S - Socket</p> <p>Contact Plating: _____</p> <p>G - Gold over Nickel (Standard)</p> | <p>X X XX-X XG-XXX</p> | <p>Grommet Code – Cable O.D. Range:</p> <p>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)</p> <p>Back Shell Style 3 or 5</p> <p>Back Shell Style:</p> <p>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.</p> <p>300 - Panel mount with hex nut & gasket. 3ES - 300 with Epoxy (Panel Mount Only)</p> |
|---|-------------------------------|--|

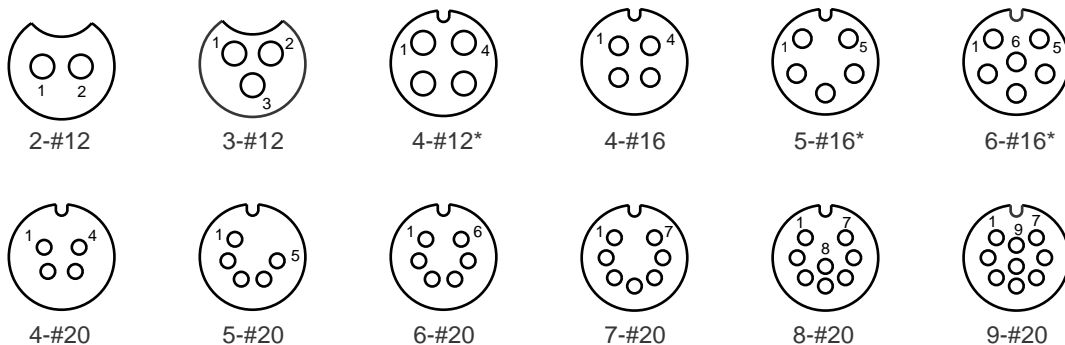
EMI/RFI shielded assemblies available - consult factory.

*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 | Multi-Con-X [®] |
| Description | Field Installable Connector & Custom Cable Assemblies |
| Rating | 1.95 thru 23.0A, 600V |
| Conductor Size | #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) | Nylon, UL Recognized, Black (Style #3) |
| Grommet | Santoprene Rubber, Black |
| Coupling Ring | Nylon, UL Recognized, Black |
| Contacts | Brass, Gold over Nickel |
| Connector Body | Nylon, UL Recognized, Black |
| O-Ring | Nitrile Rubber, Black |
| Sleeve | Nylon, UL Recognized, Black |

Cable to Cable

| | |
|----------------------|--|
| Backshell (Threaded) | Nylon, UL Recognized, Black (Style #3) |
| Grommet | Santoprene, Rubber, Black |
| Contacts | Brass, Gold over Nickel |
| Connector Body | Nylon, UL Recognized, Black |

Optional

| | |
|---------------------------------|---|
| Long Backshell (Threaded) | Nylon, UL Recognized, Black (Style #3 with solder contacts) |
| Winged Coupling Ring | Nylon, UL Recognized, Black (W/4482) |
| Mechanical Backshell (Threaded) | Nylon, UL Recognized, Black (Style #5) |
| - Strap | Nylon, UL Recognized, Black |
| - Screws | Cadmium Plated |

Panel Mount

| | |
|------------|-----------------------------|
| Contacts | Brass, Gold over Nickel |
| Panel Body | Nylon, UL Recognized, Black |
| Gasket | Nitrile Rubber, Black |
| Hex Nut | Nylon, UL Recognized, Black |

Optional

| | |
|------------------------------|---|
| Dust Cap | Santoprene Rubber, Black (Part No. 4295) |
| Square Flange Adapter | Nylon, UL Recognized, Black (Part No. 4296) |
| Square Flange Adapter Gasket | Nitrile Rubber, Black (Part No. 4297) |

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 |
| Weatheright | Consult factory with specific application |

Molded Cable Assemblies

| | |
|------------|---|
| Watertight | (See Pages 3 & 26) NEMA 6P, 13: IEC IP67 |
|------------|---|