



Harsh Environment Connectivity Solutions



Multi-Con-X® Cable Connectors

Utilizing a separate o-ring, Multi Con X® connectors are available up to 3-#12 pins/sockets, 4-#16 pins/sockets, and 12-#20 pins/sockets. 4-#12 and 5&6-#16 available in cable end socket only. Meets NEMA 6P when mated.

Typical Specifications

- 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 #E150822 - 600V AC/DC
 - CSA Certified File #181200 - 600V
 - U.L. Temperature 85°C max.
 - Not for current interruption

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: Neoprene 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: Stainless Steel

Panel Mount

- Contacts: Brass, Gold over Nickel
- Panel Body: Nylon, UL Recognized, Black
- Gasket: Neoprene 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: Neoprene Rubber, Black (Part No. 4297)
- Gasket, O-Ring, & Grommet materials are suitable for storage -40°C to +90°C (-40°F to +194°F).
- Consult factory for higher temperature requirements.

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

Environmental Specifications

- Storage Temperature Rating: -40°C to +115°C (-40°F to +239°F)
- Corrosion: 300 Hr salt spray contacts
- Weathertight: Consult factory with specific application

Molded Cable Assemblies

- Watertight: NEMA 6P, 13: IEC IP67