





Mini-Con-X Panel Connectors

Utilizing a separate o-ring, Mini Con X connectors are available up to 4-#16 pins/sockets, 6-#20 pins/sockets, 5-#16 cable end socket and 7&8-#20 cable end sockets. Meets NEMA 6P when mated.

[Part Builder](#)
[Specifications](#)
[User Guide](#)

Typical Specifications

- Rating: 4.8 thru 13.0A, 600V
- Conductor Size:
 - #16 Contacts, 16 thru 18 AWG
 - #20 Contacts, 20 thru 24 AWG
- Configuration: 2 thru 5 #16 Contacts or 2 thru 8 #20 Contacts
- Certification:
 - UL Recognized File #E150822 - 600V AC/DC
 - CSA Certified File #181200 - 600V
 - U.L. Temperature 75°C max.
 - Not for current interruption

Material Specifications

Cable Pin/Socket

- Backshell (Removable Twist Lock): Nylon, UL Recognized, Black
- 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

Optional

- Long Backshell (Removable Twist Lock): Nylon, UL Recognized, Black (Style #5)
- Winged Coupling Ring: Nylon, UL Recognized, Black (W/6482)

Cable to Cable

- Backshell (Removable Twist Lock): Nylon, UL Recognized, Black
- Grommet: Santoprene Rubber, Black
- Contacts: Brass, Gold over Nickel
- Connector Body: Nylon, UL Recognized, Black

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. 6295)
- 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

