



## Harsh Environment Connectivity Solutions

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### Maxi-Con-X® Cable Connectors

Utilizing a separate o-ring, Maxi Con X® connectors are available up to 7-#12 pins/sockets, 10-#16 pins/sockets, 18-#20 pins/sockets, 20-#20 sockets only. Meets NEMA 6P when mated.

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### Typical Specifications

- Rating: 1.35 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:
  - 7 - #12 Contacts
  - 10 - #16 Contacts
  - 18 - #20 Contacts
  - 20 - #20 Contacts
- Certification:
  - UL Recognized File #E150822 - 600Vdc / 480Vac
  - CSA Certified File #181200 - 600V
  - U.L. Temperature 75°C max.
  - Not for current interruption

### Material Specifications

#### Cable Pin/Socket

- Mechanical Backshell (Threaded): Nylon, UL Recognized, Black
- Strap: Nylon, UL Recognized, Black
- Screws: Stainless Steel
- 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

- Winged Coupling Ring: Nylon, UL Recognized, Black (W/14482)

### **Cable to Cable**

- Mechanical Backshell (Threaded): Nylon, UL Recognized, Black
- Grommet: Santoprene Rubber, Black
- Strap: Nylon, UL Recognized, Black
- Screws: Stainless Steel
- 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. 14295)
- 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