



Harsh Environment Connectivity Solutions



Micro-Con-X® Panel Connectors

Utilizing a separate o-ring, Micro Con X® connectors are available up to 3-#20 pins/sockets, 4-#22 pins/sockets, and 7-#26 pins/sockets. Meets NEMA 6P when mated.

Typical Specifications

- Rating: 3.0 thru 7.5A, 600V
- Conductor Size: 20 thru 24 AWG
- Configuration: 2 & 3 #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 (Non-Removable Snap 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

Cable to Cable

- Backshell (Non-Removable Snap 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. 16295)
- 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: 600V
- Current: See Electrical Current Rating Chart

Environmental Specifications

- Storage Temperature Rating: -40°C to +115°C (-40°F to +239°F)
- Operating Temperature Rating: -40°C to +75°C (-40°F to +167°F)
- Corrosion: 300 Hr salt spray contacts
- Weathertight: Consult factory with specific application

Molded Cable Assemblies

- Watertight: NEMA 6P, 13; IEC IP67