

# MINI-CON-X® FIELD INSTALLABLE CONNECTORS

## Specifications

### Typical Specifications

Manufacturers Identifications	Mini-Con-X®
Description	Field Installable Connector & Custom Cable Assemblies
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 #E138878 - 250V CSA Certified File #LR89277 - 600V

### 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	Nitrile 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	Nitrile Rubber, Black
Hex Nut	Nylon, UL Recognized, Black

#### Optional

Dust Cap	Santoprene Rubber, Black (Part No. 6295)
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### 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
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