

MEGA-CON-X[®] FIELD INSTALLABLE CONNECTORS

Specifications

Typical Specifications

| | |
|-------------------------------|--|
| Manufacturers Identifications | Mega-Con-X [®] |
| Description | Field Installable Connector & Custom Cable Assemblies |
| Rating | 0.9 thru 2.3A, 600V |
| Conductor Size | 20 thru 24 AWG |
| Configuration | 31 - #20 Contacts |
| Certification | UL Recognized File #E150822 - 250V CSA Certified File #LR89277 - 600V |

Material Specifications

Cable Pin/Socket

| | |
|---------------------------------|-----------------------------|
| Mechanical Backshell (Threaded) | Nylon, UL Recognized, Black |
| Strap | Nylon, UL Recognized, Black |
| Screws | Cadmium Plated |
| 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 |

Panel Mount

| | |
|------------|-----------------------------|
| Contacts | Brass, Gold over Nickel |
| Panel Body | Nylon, UL Recognized, Black |
| Gasket | Nitrile Rubber, Black |
| Hex Nut | Nylon, UL Recognized, Black |

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 (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 |
|------------|---|