FEATURES & BENEFITS

- Up to 7 contacts in compact design
- IP-67 rating, at the face (when mated)
- IP-67 molded cable assemblies (when mated)
- All plastic design is light weight
- Variety of standard options to meet all design specifications
- Custom cable assemblies available
- UL recognized

APPLICATIONS

- Instrumentation
- Medical Equipment
- Lighting
- GPS Locating Devices
- Data Acquisition
- General industrial electronic applications
**SPECIFICATIONS**

**Mechanical Specifications**
- **Life:** Minimum 300 cycles insertion / withdrawal cycles
- **Vibration:** Coupling rings have overriding locking feature to prevent loosening or separation of connector
- **Hex Nut Torque:** 9 in-lb max tightening torque.
- **Coupling Locking Style:** Bayonet with ribbed coupling nut (winged coupling nut available) P/N 16482
- **Backshell Style:** Non-removable snap lock
- **Conductor Sizes:**
  - #20 accepts 20 through 24 AWG
  - #22 contacts accepts 22 through 24 AWG
  - #26 contacts accepts 24 through 28 AWG

**Electrical Specifications**
- **Voltage Rating:** 600V AC/DC
- **Current Rating:** 7.5 A – max (See Electrical Current Rating Chart)

**Environmental Specifications**
- **Operating Temperature Rating:** -40°C to +85°C (-40°F to +185°F)
- **Salt Atmosphere (Corrosion):** 300 Hr salt spray when mated
- **Weathertight:** IP67 at the face, when mated

**Material Specifications**
- **Backshell:** Thermoplastic, UL 94HB, Black
- **Contacts:** Copper Alloy, Gold over Nickel Plate
- **Coupling Ring:** Thermoplastic, UL 94HB, Black
- **Gasket:** Elastomer, Black
- **Grommet / Strain Relief:** Elastomer, Black
- **Hex Nut:** Thermoplastic, UL 94HB, Black
- **O-Ring:** Elastomer, Black
- **Shell:** Thermoplastic, UL 94HB, Black
- **Optional Dust Cap:** Elastomer, Black

**Molded Cable Assemblies**
- **Weathertight:** NEMA 6P, 13: IEC IP67

**Certifications**
- UL File E150822
- CSA File 181200
- Not for current interruption
- RoHS compliant
- REACH compliant

**Options**
- **UV Rating:** f1 available
- **Flame Rating:** UL 94-HB; UL 94V-0 available

Consult factory for optional colors and materials

<table>
<thead>
<tr>
<th>CONTACT SIZE</th>
<th>CONDUCTOR SIZE - AWG</th>
<th>NUMBER OF CONDUCTORS</th>
<th>CURRENT RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>#20</td>
<td>#18</td>
<td>1 through 3</td>
<td>7.5A</td>
</tr>
<tr>
<td></td>
<td>#20</td>
<td>1 through 3</td>
<td>7.5A</td>
</tr>
<tr>
<td>#22</td>
<td>#22</td>
<td>4</td>
<td>6.0A</td>
</tr>
<tr>
<td></td>
<td>#24</td>
<td>4</td>
<td>6.0A</td>
</tr>
<tr>
<td></td>
<td>#24</td>
<td>5, 6</td>
<td>4.0A</td>
</tr>
<tr>
<td></td>
<td>#26</td>
<td>5, 6</td>
<td>4.0A</td>
</tr>
<tr>
<td></td>
<td>#24</td>
<td>7</td>
<td>3.5A</td>
</tr>
<tr>
<td></td>
<td>#26</td>
<td>7</td>
<td>3.5A</td>
</tr>
<tr>
<td></td>
<td>#28*</td>
<td>5-7</td>
<td>2.0A</td>
</tr>
</tbody>
</table>

*Not UL tested for this wire conductor size*
PANEL MOUNT / CABLE TO CABLE CONNECTORS
Front View | Wire View

2 POSITION #20 PIN & SOCKET CONTACT
3 POSITION #20 PIN & SOCKET CONTACT
4 POSITION #22 PIN & SOCKET CONTACT

2 POSITION #20 PIN & SOCKET CONTACT
3 POSITION #20 PIN & SOCKET CONTACT
4 POSITION #22 PIN & SOCKET CONTACT

5 POSITION B-KEY #26 PIN & SOCKET CONTACT
6 POSITION A-KEY #26 PIN & SOCKET CONTACT
7 POSITION B-KEY #26 PIN & SOCKET CONTACT

CABLE CONNECTORS
Front View | Wire View

2 POSITION #20 PIN & SOCKET CONTACT
3 POSITION #20 PIN & SOCKET CONTACT
4 POSITION #22 PIN & SOCKET CONTACT

2 POSITION #20 PIN & SOCKET CONTACT
3 POSITION #20 PIN & SOCKET CONTACT
4 POSITION #22 PIN & SOCKET CONTACT

5 POSITION B-KEY #26 PIN & SOCKET CONTACT
6 POSITION A-KEY #26 PIN & SOCKET CONTACT
7 POSITION B-KEY #26 PIN & SOCKET CONTACT

5 POSITION B-KEY #26 PIN & SOCKET CONTACT
6 POSITION A-KEY #26 PIN & SOCKET CONTACT
7 POSITION B-KEY #26 PIN & SOCKET CONTACT
**MICRO-CON-X® 2-7**

**NEW PRODUCT BULLETIN C708**

---

**CABLE**

1.52in [38.7mm]

0.53in [13.5mm]

16XXX-XXG-5XX
FIELD INSTALLABLE
CABLE CONNECTOR
BACKSHELL TYPE 5-LONG

1.27in [32.3mm]

0.53in [13.5mm]

16XXX-XXG-3XX
FIELD INSTALLABLE
CABLE CONNECTOR
BACKSHELL TYPE 3-SHORT
*2 & 3 POSITION ONLY*

---

**CABLE TO CABLE**

1.56in [39.6mm]

0.44in [11.2mm]

18XXX-XXG-5XX
FIELD INSTALLABLE
CABLE TO CABLE
CONNECTOR
BACKSHELL TYPE 5-LONG

1.31in [33.3mm]

0.44in [11.2mm]

18XXX-XXG-3XX
FIELD INSTALLABLE
CABLE TO CABLE
CONNECTOR
BACKSHELL TYPE 3-SHORT
*2 & 3 POSITION ONLY*

---

**PANEL**

0.55in [13.9 mm]

1.00in [25.4mm]

1.75in [44.5 mm]

1.75in [44.5 mm]

0.10in [2.4 mm]

0.40in [10.2 mm]

0.43in [10.9 mm]

17X80-XXG-3XX
PANEL MOUNT CONNECTOR
CRIMP

17X82-XXG-3XX
PANEL MOUNT CONNECTOR
SOLDER CUP

17X8X-XXG-3XX
PANEL MOUNT CONNECTOR
PC TAIL

*X, Y, Z - CONSULT FACTORY

All dimensions are for reference only.
**ORDERING CODE**

XX X XX - XXG - XXX X

- **Type of Cable Ends**
  - 16 - Cable End
  - 17 - Panel mount
  - 18 - Cable to Cable

- **Contact Size**
  - 2 - #20
  - 8 - #22
  - 9 - #26

- **Contact Style**
  - 8X - “0” - Crimp
    - “1” - #20 PC Tail Standard*
    - “2” - Solder
    - “3” - #22 PC Tail
    - “4” - #26 PC Tail
  - 9X - Extended PC Tail
    - “1” - #20 PC Tail Medium*
    - “2” - #20 PC Tail Long*

- **Special Features**
  - “W” - Winged Coupling Nut

- **Cable & Cable to Cable**
  - Backshell Style - Non-removable Snap Lock with Grommet (Cable O.D. Range)
    - 3XX - Short Backshell (2&3 Contacts Only)
      - “11” - 0.09 - 0.14
      - “15” - 0.15 - 0.17
      - “18” - 0.18 - 0.20
    - 5XX - Long Backshell (2-7 Contacts)
      - “18” - 0.18 - 0.20
      - “21” - 0.21 - 0.22
      - “22” - 0.22 - 0.23

- **Panel Mount**
  - with Hex Nut & Gasket
    - 3ES - with Epoxy
    - 300 - with out Epoxy

- **Gold Plated**
  - No. & Type of Contacts
    - Pin or Socket

*Consult factory for length and diameter of PC Tail. Additionally, alternative colors and materials are available.