



## MICRO-CON-X® 2-7

NEW PRODUCT BULLETIN C708

# CONXALL®

A SWITCHCRAFT COMPANY



CONXALL • 601 E Wildwood • Villa Park, IL 60181 • 630-834-7504  
Please visit [conxall.com](http://conxall.com) for the most up-to-date product specifications. Made in USA.

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## 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



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### 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<br>#22 contacts accepts 22 through 24 AWG<br>#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

| CONTACT SIZE | CONDUCTOR SIZE - AWG | NUMBER OF CONDUCTORS | CURRENT RATING |
|--------------|----------------------|----------------------|----------------|
| #20          | #18                  | 1 through 3          | 7.5A           |
|              | #20                  | 1 through 3          | 7.5A           |
| #22          | #22                  | 4                    | 6.0A           |
|              | #24                  | 4                    | 6.0A           |
| #26          | #24                  | 5, 6                 | 4.0A           |
|              | #26                  | 5, 6                 | 4.0A           |
|              | #24                  | 7                    | 3.5A           |
|              | #26                  | 7                    | 3.5A           |
|              | #28*                 | 5-7                  | 2.0A           |

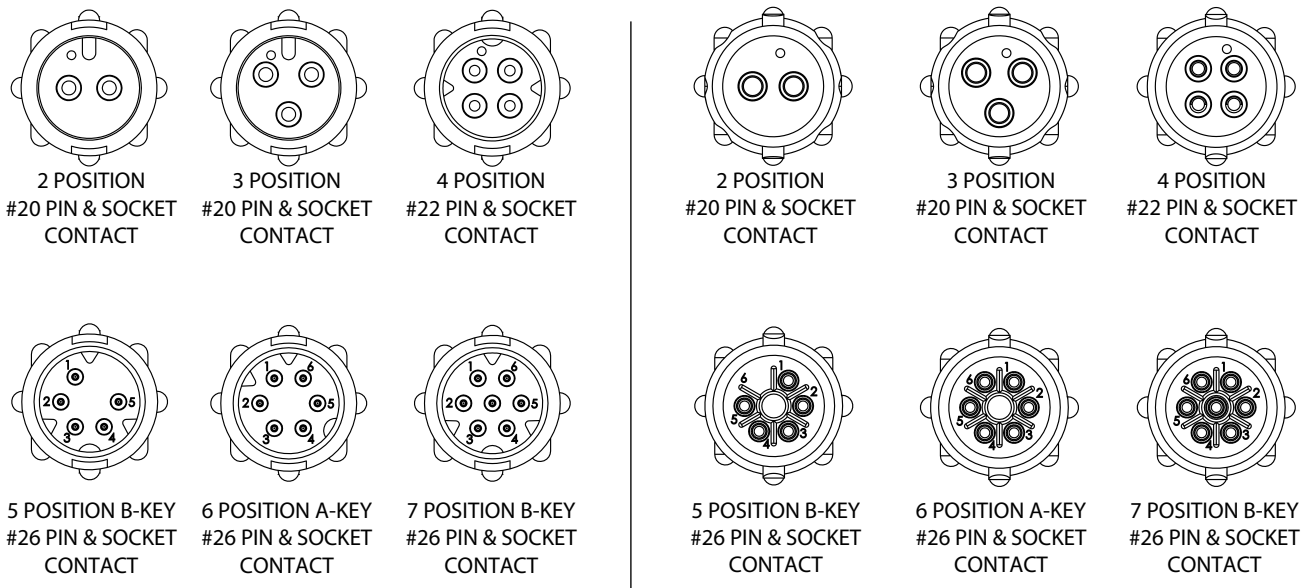
\*Not UL tested for this wire conductor size



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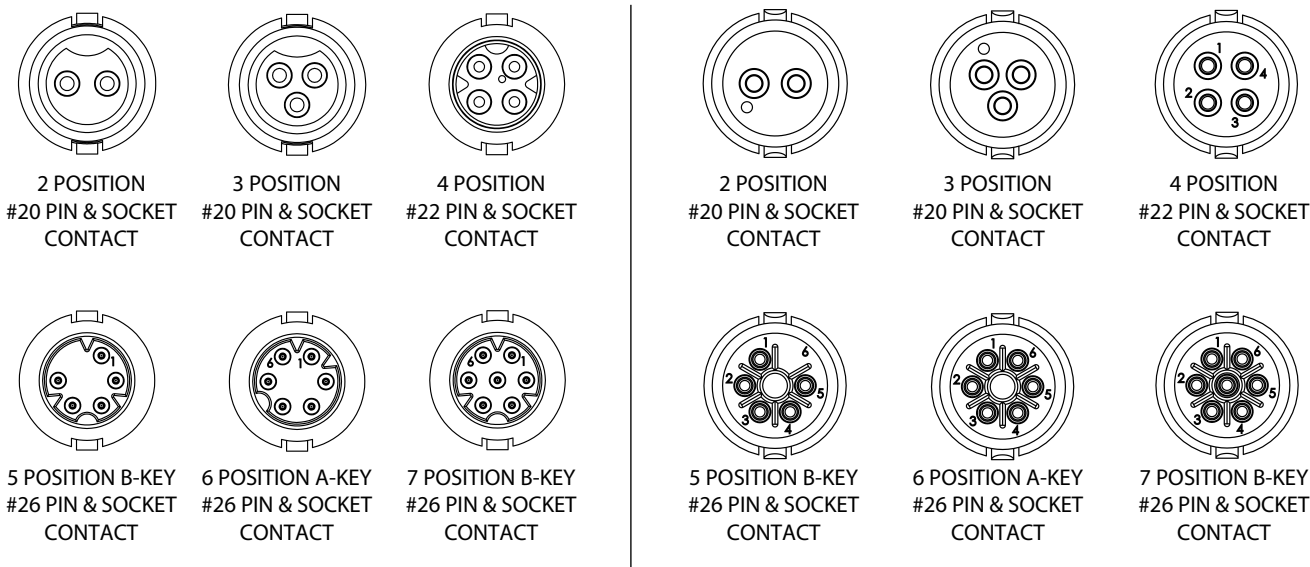
PANEL MOUNT / CABLE TO CABLE CONNECTORS

Front View | Wire View



CABLE CONNECTORS

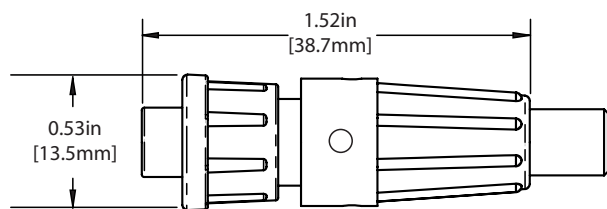
Front View | Wire View



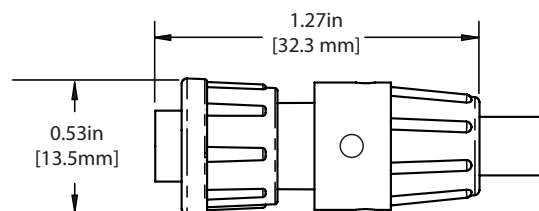
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### CABLE

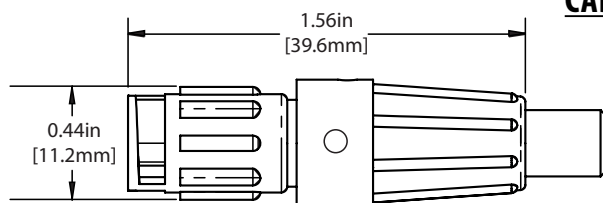


16XXX-XXG-5XX  
FIELD INSTALLABLE  
CABLE CONNECTOR  
BACKSHELL TYPE 5-LONG

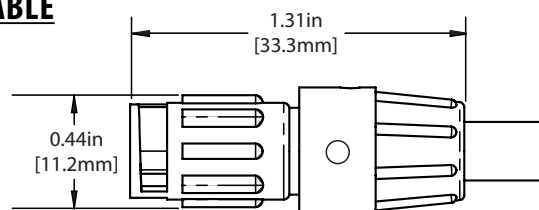


16XXX-XXG-3XX  
FIELD INSTALLABLE  
CABLE CONNECTOR  
BACKSHELL TYPE 3-SHORT  
\*2 & 3 POSITION ONLY\*

### CABLE TO CABLE

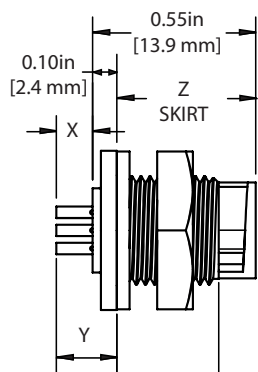


18XXX-XXG-5XX  
FIELD INSTALLABLE  
CABLE TO CABLE  
CONNECTOR  
BACKSHELL TYPE 5-LONG

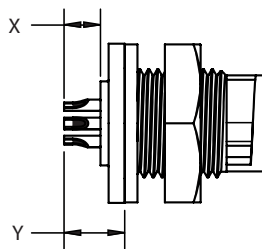


18XXX-XXG-3XX  
FIELD INSTALLABLE  
CABLE TO CABLE  
CONNECTOR  
BACKSHELL TYPE 3-SHORT  
\*2 & 3 POSITION ONLY\*

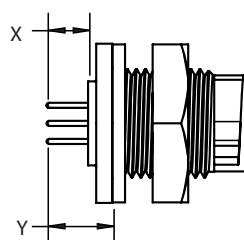
### PANEL



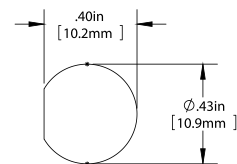
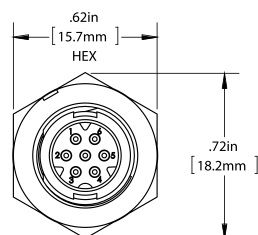
17X80-XXG-3XX  
PANEL MOUNT CONNECTOR  
CRIMP



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



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



RECOMMENDED  
PANEL CUT-OUT  
TOLERANCE: ±.003

\*X, Y, Z - CONSULT FACTORY

All dimensions are for reference only.



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### ORDERING CODE



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



## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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