



## 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                                                                  |
|                         | #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

| 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           |

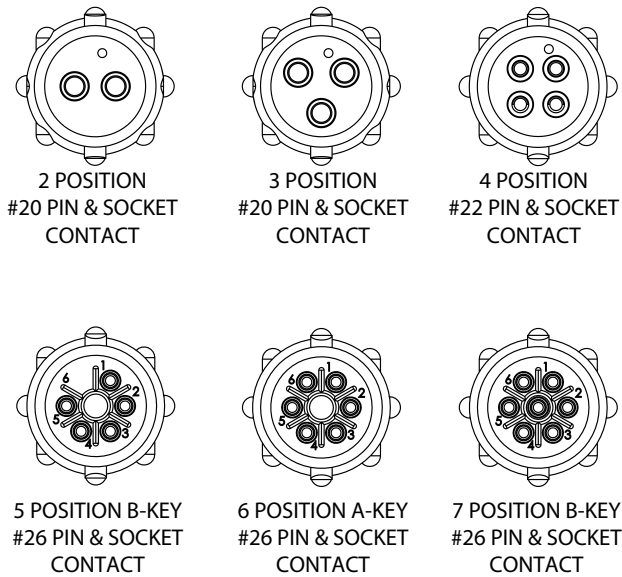
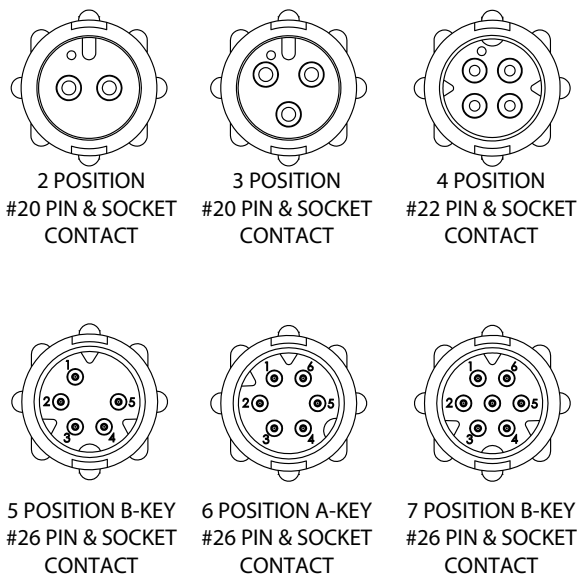
\*Not UL tested for this wire conductor size



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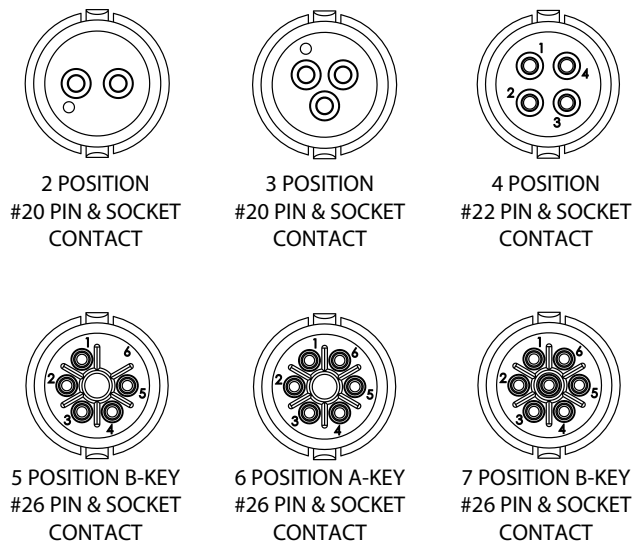
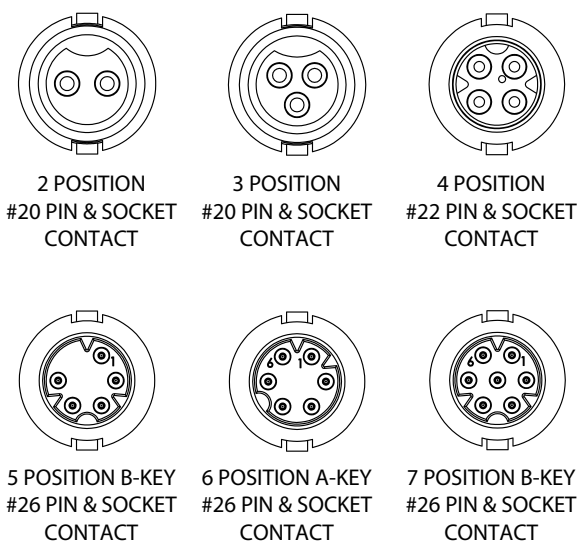
PANEL MOUNT / CABLE TO CABLE CONNECTORS

Front View | Wire View



CABLE CONNECTORS

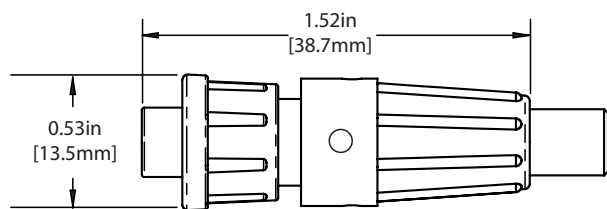
Front View | Wire View



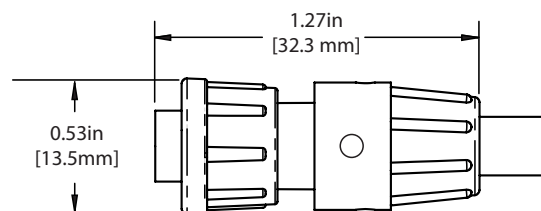
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### CABLE

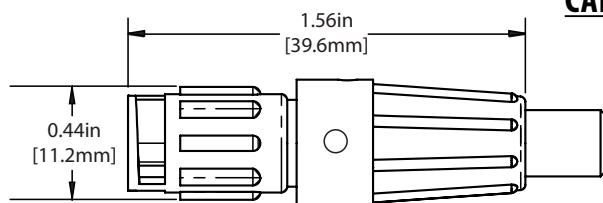


16XXX-XXG-5XX  
FIELD INSTALLABLE  
CABLE CONNECTOR  
BACKSHELL TYPE 5-LONG

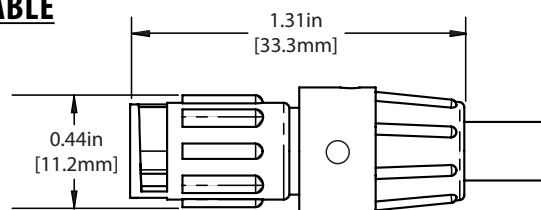


16XXX-XXG-3XX  
FIELD INSTALLABLE  
CABLE CONNECTOR  
BACKSHELL TYPE 3-SHORT  
\*2 & 3 POSITION ONLY\*

### CABLE TO CABLE

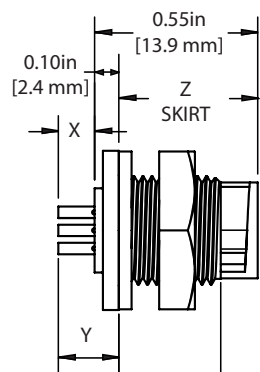


18XXX-XXG-5XX  
FIELD INSTALLABLE  
CABLE TO CABLE  
CONNECTOR  
BACKSHELL TYPE 5-LONG

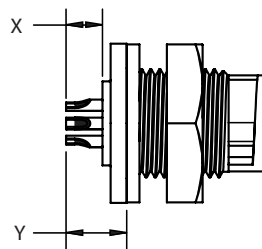


18XXX-XXG-3XX  
FIELD INSTALLABLE  
CABLE TO CABLE  
CONNECTOR  
BACKSHELL TYPE 3-SHORT  
\*2 & 3 POSITION ONLY\*

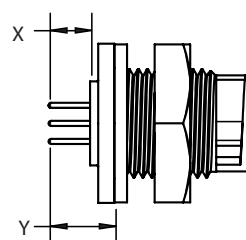
### PANEL



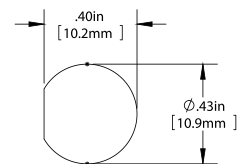
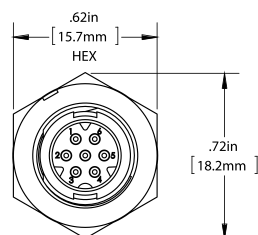
17X80-XXG-3XX  
PANEL MOUNT CONNECTOR  
CRIMP



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.



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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