



## MICRO-CON-X<sup>®</sup> 2-7

NEW PRODUCT BULLETIN C708

# CONXALL<sup>®</sup>

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
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#### 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



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

### 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



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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.



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