





Multi-Con-X® Sealed Connectors

Thousands of configurations are available up to 12 contacts with a variety of options

Coupling rings have overriding locking features to prevent loosening or seperation of connector



Available as field installable connectors or factory molded cable assemblies



Compact size fits in a 0.43" [10.9mm] mounting hole

CONXALL® PRODUCT

The Multi Con X® series from Conxall® sets the standard for harsh environment connectors. It is built to withstand harsh environments with an IP67 seal rating, and a 600V voltage rating makes it an ideal solution for power or signal. Thousands of configurations are available up to 12 contacts, including mixed contact sizes and custom factory molded cable assemblies.

IP67 RATED WATER RESISTANCE

The Con-X® series is sealed to IP67 for harsh environments when used with a molded cable assembly.



600V voltage rating makes it an ideal solution for power or signal.



Made in USA to the high standards that have made Conxall the leading name in harsh environment connectors.

MULTI-CON-X® LINE



CABLE END - SOCKET

MATES WITH PANEL MOUNT AND

CABLE TO CABLE



CABLE END - PIN
MATES WITH PANEL MOUNT AND
CABLE TO CABLE



CABLE TO CABLE / INLINE - SOCKET
MATES WITH CABLE END



PANEL MOUNT - PIN MATES WITH CABLE END



PANEL MOUNT - SOCKET MATES WITH CABLE END



DUST CAP P/N - 4295



MOLDED CABLE END ASSEMBLY



MOLDED CABLE TO CABLE ASSEMBLY



MOLDED RIGHT ANGLE CABLE ASSEMBLY

MIXED SIGNAL/POWER



CABLE END - SOCKET
MATES WITH PANEL MOUNT AND
CABLE TO CABLE



CABLE END - PIN
MATES WITH PANEL MOUNT AND
CABLE TO CABLE



CABLE TO CABLE / INLINE - SOCKET
MATES WITH CABLEEND



CABLE TO CABLE / INLINE - PIN MATES WITH CABLE END

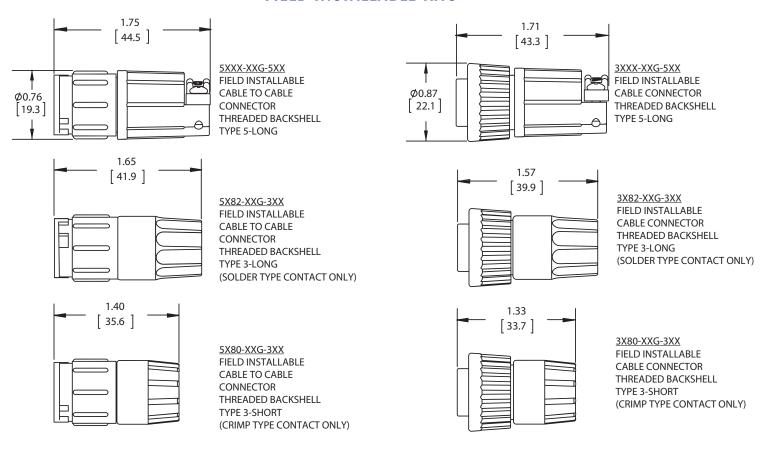


PANEL MOUNT - PIN MATES WITH CABLE END

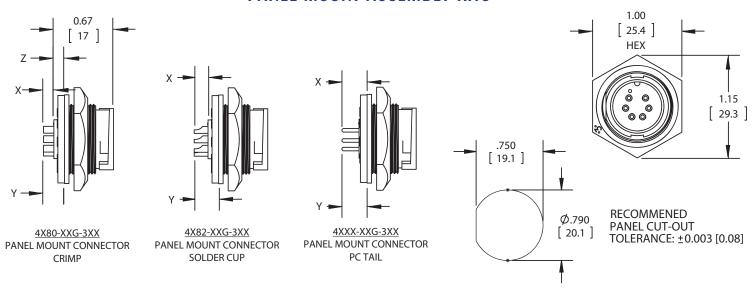


PANEL MOUNT SOCKET MATES WITH CABLE END

FIELD INSTALLABLE KITS



PANEL MOUNT ASSEMBLY KITS



*X, Y, Z - Consult Factory. All dimensions are for reference only. Units shown: in[mm].

PANEL MOUNT / CABLE TO CABLE CONNECTORS Front View I Wire View



#12 PIN & SOCKET CONTACT



5 POSITION* #16 PIN ONI Y CONTACT



6 POSITION #20 PIN & SOCKET CONTACT



10 POSITION #20 PIN & SOCKET CONTACT



3 POSITION #12 PIN & SOCKET CONTACT



6 POSITION* #16 PIN ONI Y CONTACT



7 POSITION #20 PIN & SOCKET CONTACT



11 POSITION #20 PIN & SOCKET CONTACT



4 POSITION³ #12 PIN ONLY CONTACT



4 POSITION #20 PIN & SOCKET CONTACT



8 POSITION #20 PIN & SOCKET CONTACT



12 POSITION #20 PIN & SOCKET CONTACT



4 POSITION #16 PIN & SOCKET CONTACT



5 POSITION #20 PIN & SOCKET CONTACT



9 POSITION #20 PIN & SOCKET CONTACT



8 POSITION #12 & #26 PIN & SOCKET CONTACT



#12 PIN & SOCKET CONTACT

5 POSITION*

#16 PIN ONLY

CONTACT

6 POSITION

#20 PIN & SOCKET

CONTACT

600 00 0

10 POSITION

#20 PIN & SOCKET

CONTACT



3 POSITION #12 PIN & SOCKET CONTACT



6 POSITION #16 PIN ONLY CONTACT

7 POSITION

#20 PIN & SOCKET

CONTACT

11 POSITION

#20 PIN & SOCKET

CONTACT





4 POSITION*

#12 PIN ONLY

CONTACT

#20 PIN & SOCKET CONTACT



5 POSITION #20 PIN & SOCKET CONTACT



8 POSITION #20 PIN & SOCKET CONTACT





#20 PIN & SOCKET CONTACT



12 POSITION #20 PIN & SOCKET CONTACT



#26 PIN & SOCKET CONTACT

CABLE CONNECTORS Front View I Wire View



2 POSITION #12 PIN & SOCKET CONTACT



3 POSITION #12 PIN & SOCKET CONTACT

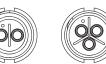




4 POSITION #16 PIN & SOCKET



#12 PIN & SOCKET CONTACT



2 POSITION



3 POSITION #12 PIN & SOCKET CONTACT

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4 POSITION* #12 SOCKET ONLY CONTACT



#16 PIN & SOCKET CONTACT



5 POSITION* #16 SOCKET ONLY CONTACT



7 POSITION #20 PIN & SOCKET CONTACT



11 POSITION #20 PIN & SOCKET CONTACT



4 POSITION #20 PIN & SOCKET CONTACT



8 POSITION #20 PIN & SOCKET CONTACT



12 POSITION #20 PIN & SOCKET CONTACT



#12 SOCKET ONLY CONTACT



5 POSITION #20 PIN & SOCKET



9 POSITION #20 PIN & SOCKET





6 POSITION #20 PIN & SOCKET



10 POSITION #20 PIN & SOCKET CONTACT



5 POSITION*

7 POSITION #20 PIN & SOCKET CONTACT



11 POSITION #20 PIN & SOCKET CONTACT



8 POSITION #20 PIN & SOCKET CONTACT



12 POSITION #20 PIN & SOCKET CONTACT



5 POSITION #20 PIN & SOCKET CONTACT



9 POSITION #20 PIN & SOCKET CONTACT





#26 PIN & SOCKET CONTACT



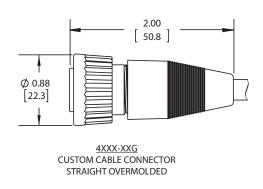
6 POSITION #20 PIN & SOCKET

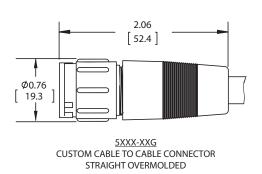


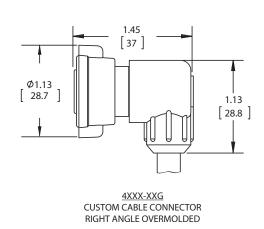
#20 PIN & SOCKET CONTACT

All dimensions are for reference only. Units shown: in[mm].

CUSTOM MOLDED CABLE ASSEMBLIES





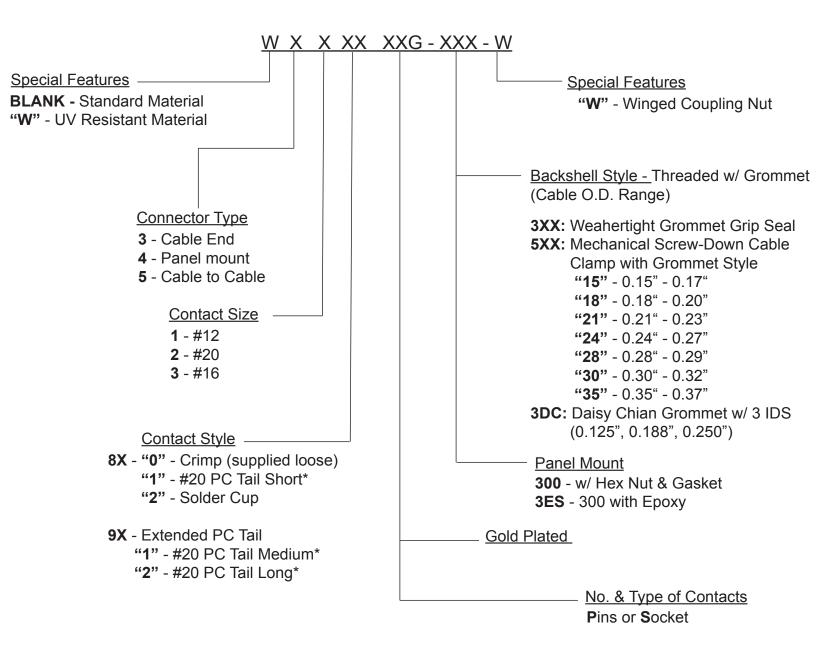


Note: Multi-Con-X® can be overmolded onto an extended well panel mount. Straight version only.

• Available in: 5#20, 6#20 and 9#20 male

• Available in: 4#20 and 9#20 female

PART NUMBER TO ORDER: MULTI CON X®



*Mixed Contact and 10-12 position only available with UV resistant material

*Consult factory for length and diameter of PC Tail.

Additionally, alternative colors and materials are available.

COLOR CODED CON-X® LINE



ORDERING CODE

Added to the end of your standard Con-X part number

When ordering, use the following code to specify your special feature:

Special Features

CXX= Color Options

Color Designator - see below

Part Designator - see below

Special Feature Designator - see below

Special Feature Designator = C (Color Option)

Part Designator = H (Hex Nut)

C (Coupling Ring-standard)*

Color Designator=2 (Red)

3 (Blue)

5 (Yellow)

7 (Green)

*Winged coupling ring available on request. Contact factory for more information.

SPECIFICATIONS

MECHANICAL:

Life: 300 insertion / withdrawal cycles minimum
Vibration: Coupling rings have overriding locking feature

to prevent loosening/seperation of connector

Hex Nut Torque: 10 in-lb 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: #12 accepts 12 through 14 AWG

#16 contacts accepts 16 through 18 AWG #20 contacts accepts 20 through 24 AWG

ELECTRICAL:

Voltage Rating: 600 V AC/DC

Mixed Signal/Power: 300V

Current Rating: 23A Max (see electrical current rating chart)

ENVIRONMENTAL:

Operating Temperature: -40°C to $+85^{\circ}\text{C}$ (-40°F to $+185^{\circ}\text{F}$) Salt Atmosphere (Corrosion) : 300 Hr salt spray when mated

Weathertight: IP67 when mated

MATERIAL:

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

CON-X® ELECTRICAL CURRENT RATING CHART

CONTACT SIZE	CONDUCTOR SIZE - AWG	NUMBER OF CONDUCTORS	CURRENT RATING
#12	#12	1 through 7	23.0A
	#14	1 through 3	17.0A
		4 through 6	12.75A
		7 through 9	11.0A
	#16	1 through 3	13.0A
		4 through 6	9.75A
		7	8.45A
#16	#16	1 through 10	13.0A
		11 and 12	7.5A
	#18	1 through 3	10.0A
		4 through 12	7.5A
#20	#18	1 through 3	7.5A
		4 through 20	5.6A
		21 through 31	2.3A
	#20	1 through 3	7.5A
		4 through 20	5.6A
		21 through 31	2.3A
	#20 Multi-Con-X	10 through 12	5.0A
	#22	1 through 3	6.0A
		4 through 20	2.5A
		21 through 31	2.5A
	#24	1 through 3	4.5A
		4 through 20	2.0A
		21 through 31	1.5A
#22	#22	4	5.5A
	#24	4	5.0A
#26	#24	5 to 6	4.0A
	#24	7	3.5A
	#26	5 to 6	2.5A
	#26	7	2.5A
	#28*	5 to 6	2.0A
	#28*	7	2.0A

*Not UL tested for this wire conductor size