



FIELD INSTALLABLE SHIELDED MULTI-CON-X®

Conxall® introduces its newest series of "Con-X" product, the Field Installable Shielded Multi-Con-X®. This product was designed for field installations where:

- Circuits must be protected from electromagnetic or radio frequency interference
- Surrounding equipment must be protected from circuit emittance
- An earth ground must be carried via the cable shield through the connector shell, coupling ring, and receptacle to ground (panel).

The Field Installable Shielded Multi-Con-X® offers a simple, unique method of completing the shield between the cable and the connector housing (requiring no additional or special installation tools). The backshell can be assembled with nothing more than a screwdriver.

Features

- 6 keyway orientations available
- 2 - 9 pole insert configurations with 20 size contacts available in 4 keying arrangements
- 2 - 12 pole insert configurations with 20 size contacts available in 1 keying arrangement
- 2 - 4 pole insert configurations with 16 size contacts available in 1 keying arrangement
- Panel Mounts are available with male contacts only (solder or P.C. Tail termination)
- Cable Ends are available with female contacts only (solder termination)
- Not mateable with standard (unshielded) Multi-Con-X® product
- Panel Mounts are available with a metal or plastic housing

Specifications

Electrical Rating

600 Volts RMS

13A: 4 maximum #16 contacts with 16 AWG wire

7.5A: 3 maximum #20 contacts with 20 AWG wire

5.6A: 12 maximum #20 contacts with 20 AWG wire

Cable Ends

Coupling Nut & Housing: Nickel Plated Brass

Contacts: Copper Alloy, 30 μ in. min. Gold over 50 μ in. min. Nickel Plating

Insert: Engineered Polyester Resin

Backshell & Strap: G.F. Nylon

Screws: Stainless Steel

O-Rings: Neoprene

Metal Panel Mounts

Shell: Nickel Plated Brass

Nut: Nickel Plated Brass

Contacts: Copper Alloy, 30 μ in. min. Gold over 50 μ in. min. Nickel Plating

Insert: Engineered Polyester Resin

Plastic Panel Mounts

Housing: Engineered Polyester Resin

Shielding Nut: Nickel Plated Aluminum

Contacts: Copper Alloy, 30 μ in. min. Gold over 50 μ in. min. Nickel Plating

Environmental:

Temperature: -40°C (-40°F) to +120°C (+248°F)

RoHS Compliant



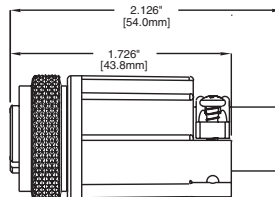
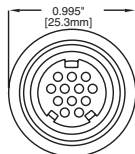
PRODUCT BULLETIN C701

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a Switchcraft® Co.
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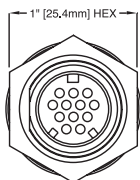
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Cable End

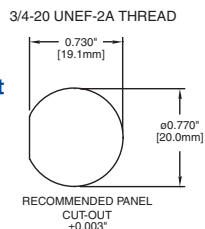


Panel Mount

Front View

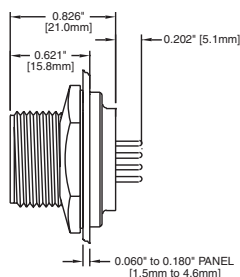


Cut-out

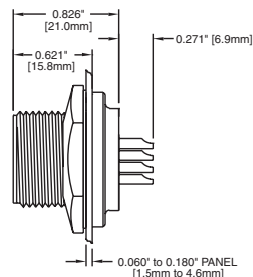


Metal

3/4-20 UNEF-2A THREAD
W/PC-TAIL CONTACTS

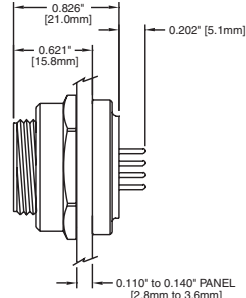


3/4-20 UNEF-2A THREAD
W/ SOLDER CUP CONTACTS

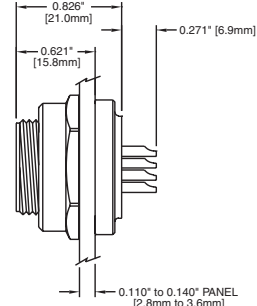


Plastic

3/4-20 UNEF-2A THREAD
W/PC-TAIL CONTACTS



3/4-20 UNEF-2A THREAD
W/ SOLDER CUP CONTACTS



Insert Platforms (Wiring View of Cable End)



A



B



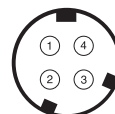
C



D



E



F

Keying

Max Contact Count/Contact Size 9/#20

9/#20

9/#20

9/#20

12/#20

4/#16

(For less than full complement insert patterns, consult factory)

Code Logic

SF	4	2	82	V	-	12	E	P	G	-	3ES
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Shielded Field
Installable

Contact Size
2 - #20
3 - #16

of Contacts
2 - 12

Contact Type
Pin (Panel Mount)
Socket (Cable End)

Plating
Gold

Multi-Con-X
3 - Cable End
4 - Panel Mount

Contact Style
81 - PC Tail (Panel Only)
82 - Solder Cup

Keying
A - D (2 - 9 #20 Contacts)
E (2 - 12 #20 Contacts)
F (2 - 4 #16 Contacts)

Backshell and Panels
3ES: Panel w/ Epoxy
520: Backshell w/ .200"Grommet ID
540: Backshell w/ .400"Grommet ID
(Consult Factory for Other Sizes)

Insert & Shell Material Only
"Blank" - Engineered Polyester Resin Insert (Cable End Only)
"Blank" - Nickel Plated Brass Panel Mount Shell
with an Engineered Polyester Resin Insert
V - One Piece Engineered Polyester Resin Panel Mount Shell