



## 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  $\mu$  in. min. Gold over 50  $\mu$  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  $\mu$  in. min. Gold over 50  $\mu$  in. min. Nickel Plating

Insert: Engineered Polyester Resin

#### Plastic Panel Mounts

Housing: Engineered Polyester Resin

Shielding Nut: Nickel Plated Aluminum

Contacts: Copper Alloy, 30  $\mu$  in. min. Gold over 50  $\mu$  in. min. Nickel Plating

#### Environmental:

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

RoHS Compliant



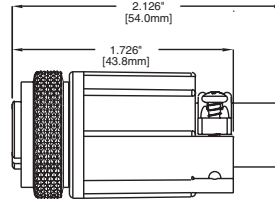
# PRODUCT BULLETIN C701

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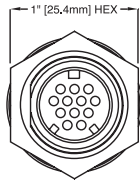
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## 2 FIELD INSTALLABLE SHIELDED MULTI-CON-X<sup>®</sup> PRODUCT BULLETIN C701

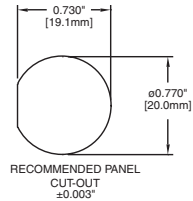
## Cable End



## Panel Mount

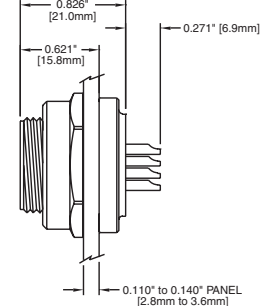


3/4-20 UNEF-2A THREAD

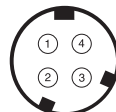


## Plastic

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



### Insert Platforms (Wiring View of Cable End)



## F

4/#16

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

## Code Logic

|                                                                                                                                                                                                                                                                              |                                    |                                                               |    |   |                                                                                           |                         |                                                         |   |                                                                                                                                                            |   |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------|----|---|-------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|
| SF                                                                                                                                                                                                                                                                           | 4                                  | 2                                                             | 82 | V | -                                                                                         | 12                      | E                                                       | P | G                                                                                                                                                          | - | 3ES |
| Shielded Field Installable                                                                                                                                                                                                                                                   | Contact Size<br>2 - #20<br>3 - #16 |                                                               |    |   |                                                                                           | # of Contacts<br>2 - 12 | Contact Type<br>Pin (Panel Mount)<br>Socket (Cable End) |   | Plating<br>Gold                                                                                                                                            |   |     |
| Multi-Con-X<br>3 - Cable End<br>4 - Panel Mount                                                                                                                                                                                                                              |                                    | Contact Style<br>81 - PC Tail (Panel Only)<br>82 - Solder Cup |    |   | Keying<br>A - D (2 - 9 #20 Contacts)<br>E (2 - 12 #20 Contacts)<br>F (2 - 4 #16 Contacts) |                         |                                                         |   | Backshell and Panels<br>3ES: Panel w/ Epoxy<br>520: Backshell w/ .200"Grommet ID<br>540: Backshell w/ .400"Grommet ID<br>(Consult Factory for Other Sizes) |   |     |
| Insert & Shell Material Only<br><b>"Blank"</b> - Engineered Polyester Resin Insert (Cable End Only)<br><b>"Blank"</b> - Nickel Plated Brass Panel Mount Shell with an Engineered Polyester Resin Insert<br><b>V</b> - One Piece Engineered Polyester Resin Panel Mount Shell |                                    |                                                               |    |   |                                                                                           |                         |                                                         |   |                                                                                                                                                            |   |     |

# Mouser Electronics

Authorized Distributor

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