

## POWERCAT 6 TOOL-LESS KEYSTONE SHIELDED JACK INSTALLATION INSTRUCTION

### 1.0 SCOPE

This document provides installation instructions for Molex Power Cat 6 Tool-less Shielded Keystone Jack.

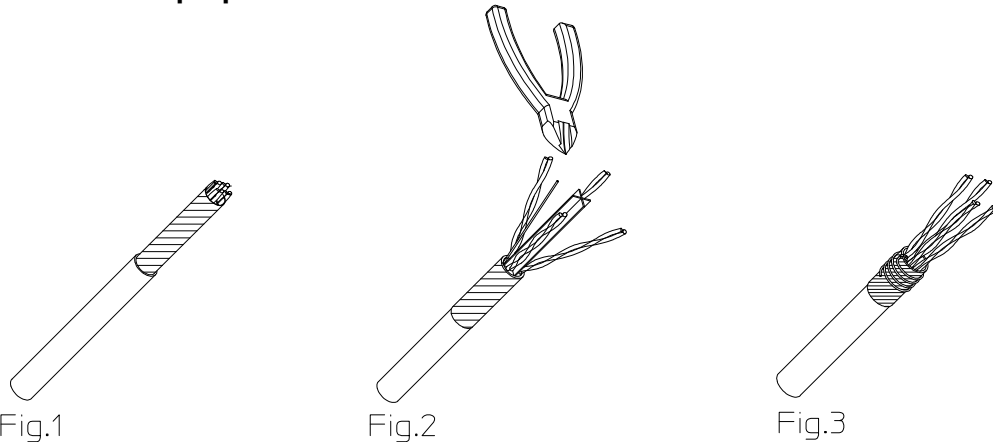
### 2.0 PRODUCT DESCRIPTION

This is tool-less jack. Required tools are cable strippers, wire clipper and screwdriver.

### 3.0 REFERENCE DOCUMENTS

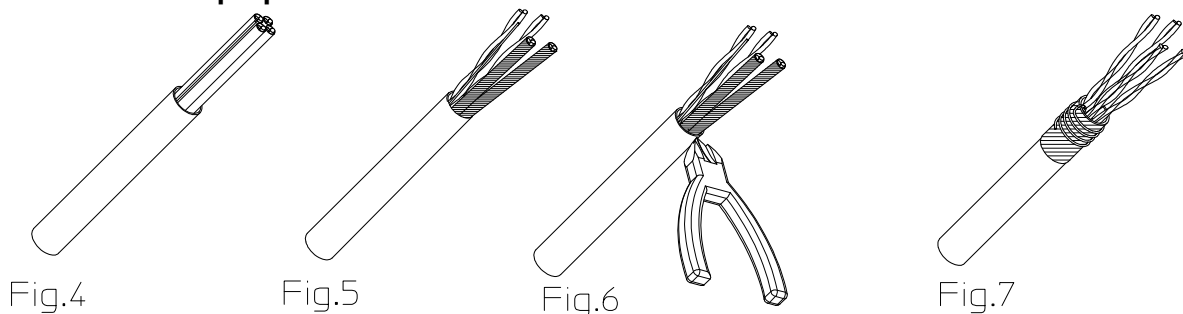
### 4.0 PROCEDURE

#### F/UTP Cable preparation:



- 1) Strip the cable for minimum 4cm (Fig. 1)
- 2) Untwist pairs and remove cable separator with wire clippers (Fig. 2)
- 3) Pull the foil shield back over the jacket and wrap the drain wire around the shield. Ensure Cable foil's conductive surface is facing out (Fig. 3)

#### U/FTP Cable preparation:



- 1) Strip the cable for minimum 4cm (Fig. 4)
- 2) Untwist pairs (Fig. 5)
- 3) Remove shield from three pairs. Use clippers to cut-off foil (Fig. 6)
- 4) Pull the foil shield back from the fourth pair over the jacket and wrap the drain wire around the shield. Ensure cable foil's conductive surface is facing out (Fig. 7)

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DOCUMENT NUMBER: <b>AS-18700-110</b>	CREATED / REVISED BY: <b>Tambralli, Manjunath</b>	CHECKED BY: <b>CG, Raghavan</b>	APPROVED BY: <b>Ojdana, Krzysztof</b>

### Cap installation:

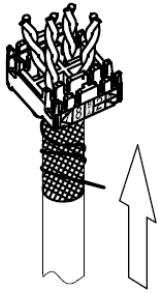


Fig. 8

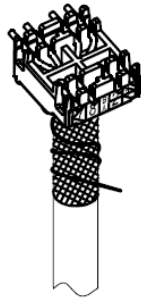


Fig. 9

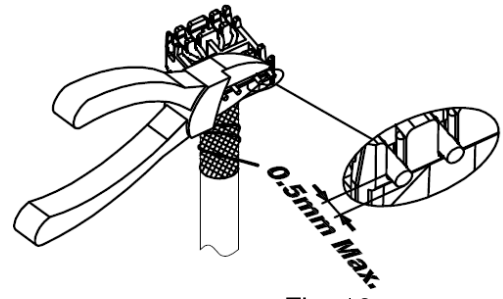


Fig. 10

- 1) Insert the wires into the cap through the holes (Fig. 8)
- 2) Lay the wires to their correct positions based on the color code (TIA568A/TIA568B) (Fig.9)
- 3) Cut the excess wires off. The tips of the wires should protrude no more than 0,5mm (Fig. 10)

### Module termination:

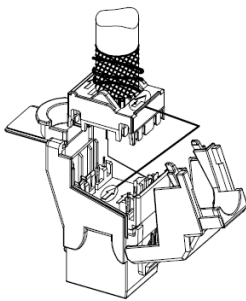


Fig. 11

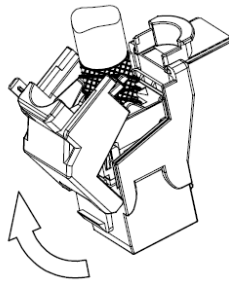


Fig. 12

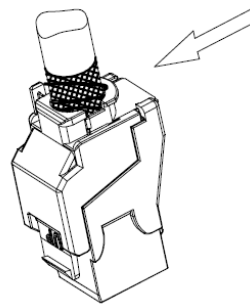


Fig. 13

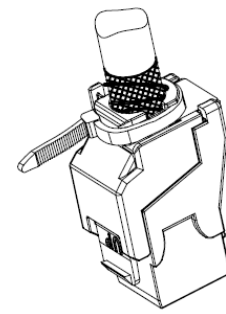


Fig. 14

- 1) Put the cap on the IDC tower. The arrows on the jack and the cap should face the same direction. Put the cap into position (Fig. 11)
- 2) Close the jaw until it clicks into place (Fig. 12)
- 3) The drain wire should be wrapped around the cable to ensure 360deg shield. Push the shielding lug close to the jack (Fig. 13)
- 4) Fix the cable tie to the shielding lug (Fig .14)

### Disassembly procedure:

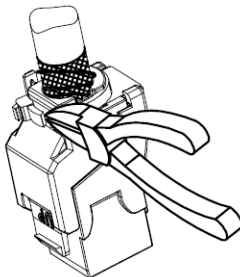


Fig. 15

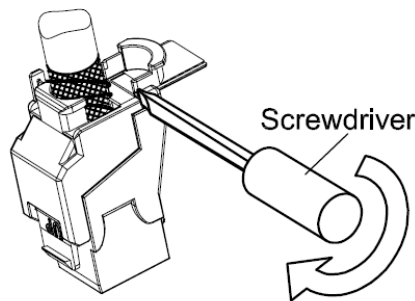


Fig. 16

- 1) Cut off the cable tie (Fig. 15)
- 2) Pull out the shielding lug. Insert the screw driver into the slot and rotate it to open the jaw (Fig. 16)

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