

POWERCAT 6A TOOL-LESS KEYSTONE SHIELDED JACK INSTALLATION INSTRUCTION

1.0 SCOPE

This document provides installation instructions for Molex Power Cat 6A 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

U/FTP Cable preparation:

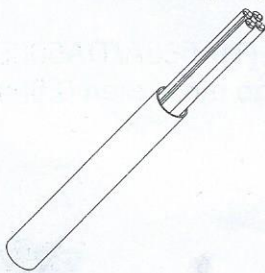


Fig.1

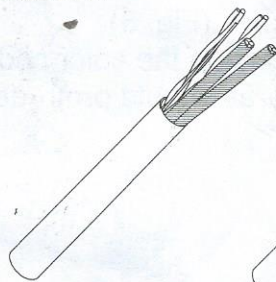


Fig.2

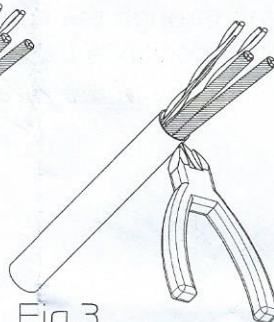


Fig.3

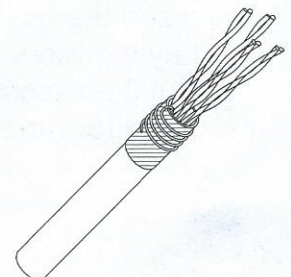


Fig.4

1) Strip the cable for minimum 4cm (Fig. 1)

2) Untwist pairs (Fig. 2)

3) Remove shield from three pairs. Use clippers to cut-off foil (Fig. 3)

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. 4)

S/FTP Cable preparation:

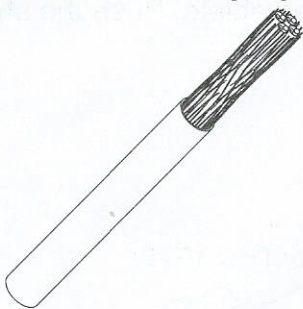


Fig.5

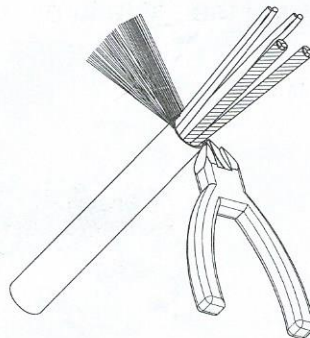


Fig.6

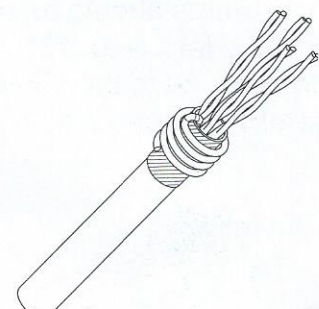


Fig.7

1) Strip the cable for minimum 4cm (Fig. 5)

2) Move the braid to a side forming small bundle (Fig. 6)

3) Remove shield from three pairs. Use clippers to cut-off foil. Pull the foil shield back from the fourth pair over the jacket and wrap the bundle of braid around the shield. Ensure cable foil's conductive surface is facing out (Fig. 7)

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Cap installation:

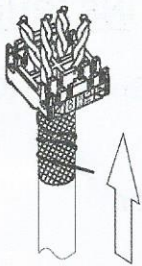


Fig. 8



Fig. 9

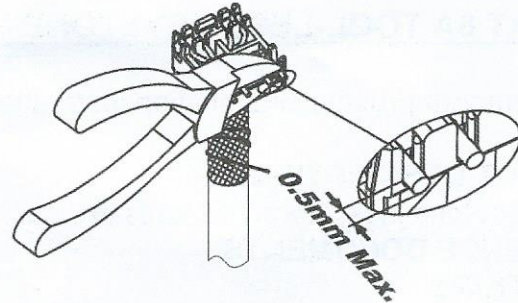


Fig. 10

- 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:

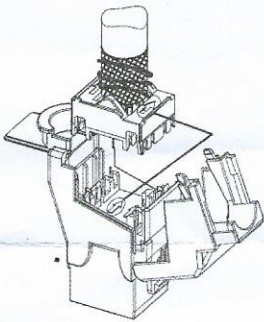


Fig. 11

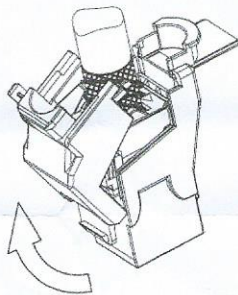


Fig. 12

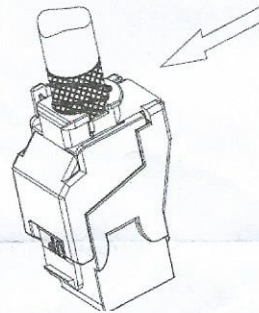


Fig. 13

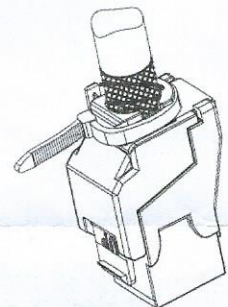


Fig. 14

- 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 braid wires 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:

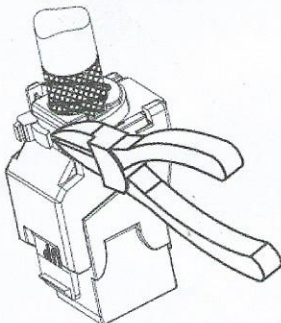


Fig. 15

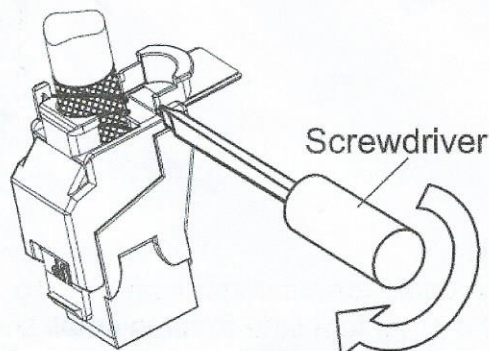


Fig. 16

- 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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