

### POWERCAT 6A TOOL-LESS KEYSTONE SHIELDED JACK



#### 1.0 SCOPE

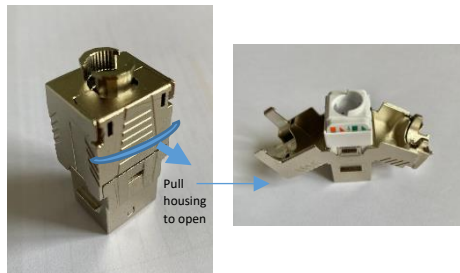
This document provides installation instructions for Molex Power Cat 6A tool-less keystone jack.

#### 2.0 TOOLS REQUIRED:

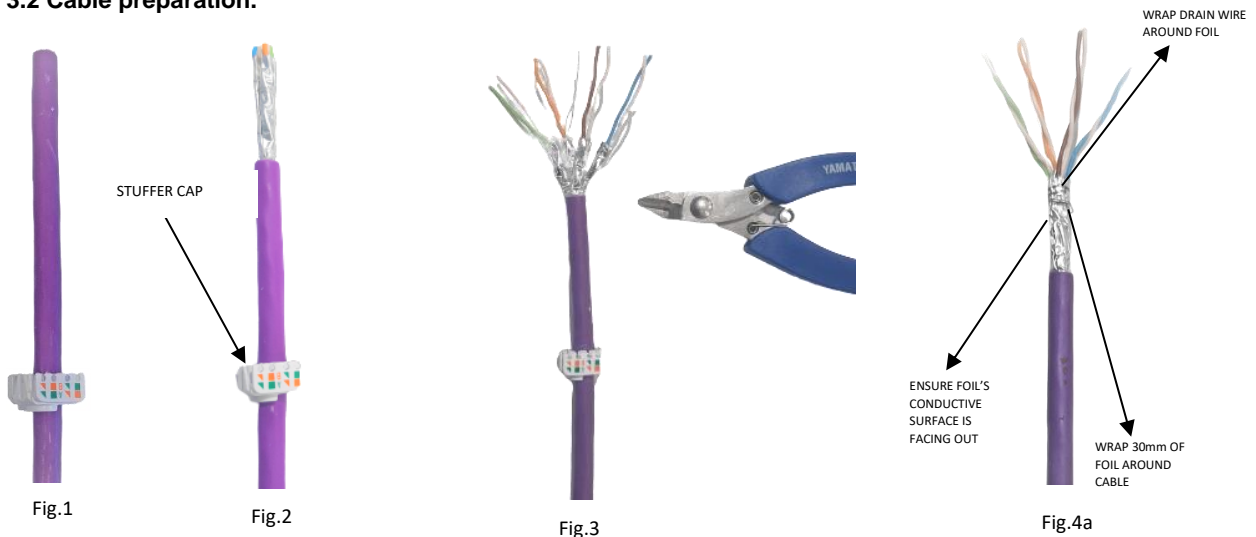


#### 3.0 PROCEDURE

##### 3.1 Open the rear housing of the jack & take out stuffer cap.



##### 3.2 Cable preparation.



##### U/FTP Cable preparation:

1. Slide stuffer cap on to cable (see Fig. 1)
2. Remove 75mm (3") of cable sheath with cable stripper (see Fig. 2)
3. Unwrap and remove 4 of the twisted pair's foils with wire clippers.
4. Wrap approx. 30mm (1.2") of 4th foil down the length of cable sheath and coil the drain wire on foil (see Fig.3 and Fig.4a)
  - Ensure cable foil's conductive surface is facing out.

### F/UTP Cable preparation:

- 1) Slide Rear Housing on to cable (see Fig. 1)
- 2) Remove 75mm (3") of cable sheath with cable stripper (see Fig. 2)
- 3) Unwrap overall foil from cable.
- 4) Remove cable cellophane wrap and central spline with wire clipper (See Fig.3)
- 5) Wrap approx. 30mm (1.2") of foil down the length of cable sheath and coil the drain wire on foil (see Fig. 4a)
  - Ensure cable foil's conductive surface is facing out.

### Cable preparation S/FTP Cable



Fig.5

Fig.6



Fig.7a



Fig.7b

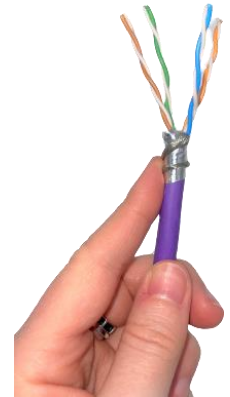


Fig.7c

### S/FTP Cable preparation:

- 1) Slide Rear Housing on to Cable (see Fig. 5)
- 2) Remove 75mm (3") of Cable sheath with Cable stripper (see Fig. 6)
- 3) Carefully split the braid along one side. (See Fig.7a)
- 4) 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 foil. Ensure cable foil's conductive surface is facing out. (See Fig.7b&c)

### 3.3 CAP INSTALLATION



Fig.8



Fig.9

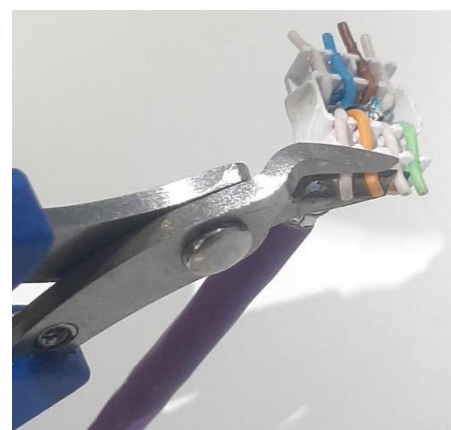


Fig.10

- 1) Insert the wires into the cap through the holes (Fig 8).

- 2) Position the wires into their correct positions following the color code for TIA-568A or TIA 568B wiring marked on the stuffer cap (Fig 9)



Legend  
 W White  
 G Green  
 O Orange  
 BL Blue  
 BR Brown

1	2	3	4	5	6	7	8
W-G	G	W-O	BL	W-BL	O	W-BR	BR
Designation T568A							

1	2	3	4	5	6	7	8
W-O	O	W-G	BL	W-BL	G	W-BR	BR
Designation T568B							

- 3) Cut the excess wires off. The tips of the wires should protrude no more than 0,5mm (Fig 10)

### 3.4 MODULE TERMINATION:

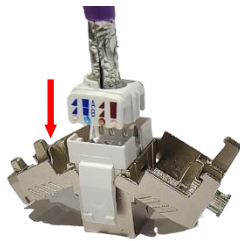


Fig.11



Fig.12



Fig.13



Fig.14

- 1) Place the stuffer cap in the correct orientation on to the IDC contacts and press firmly to ensure the wires are properly seated (Fig 11).
- 2) Close the rear housing until it clicks into place (Fig.12).
- 3) The drain wire should be wrapped around the cable to ensure 360° shield. Push the shielding lug close to the jack (Fig 13).
- 4) Fix the cable tie to the shielding lug (Fig 14).