

### PUSH PULL JACK-CAT6A



#### 1.0 Scope:

This document describes the installation instructions for Push pull jack-Cat6A.

#### 2.0 Product Description.

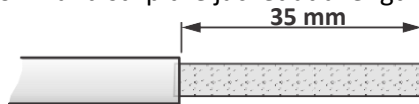
Push pull jack is shielded jack and D-shaped panel connector, it is front fixing jack to panel with screws.

#### 3.0 Procedures

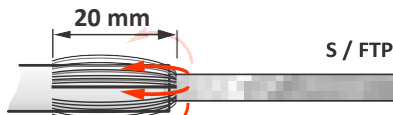
- **Tools required:** Parallel press tool and Side Cutter.

#### 4.0 Cable preparation and Assembly:

4.1 Prepare the cable as shown and strip the jacket at a length of 35 mm.



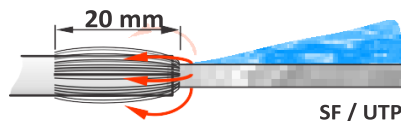
4.1.A S/FTP : Cut off braided shield to approx. 20 mm and fold the shield backwards.



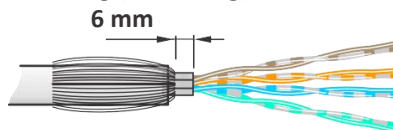
4.1.B U/FTP: Remove the foil of the paired wires and bend back the drain wire for easier handling during assembly. Drain wire to be used for grounding.



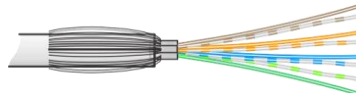
4.1.C SF/UTP: Cut off braided shield to approx. 20 mm and fold the shield backwards. Cut and remove the Foil screen.



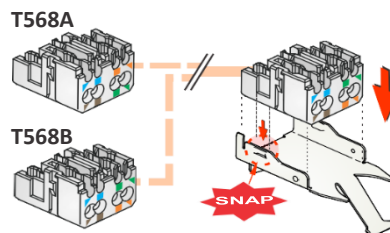
4.2 Remove the pair screening (if existing) to max. 6 mm.



4.3 Presort, untwist, and straighten the wires as shown. Un-straightened wires could potentially harm the IDC.

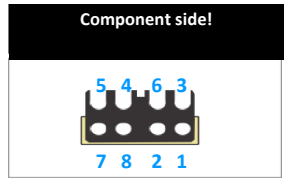
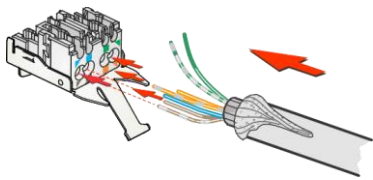


4.4 Wire management T568A & T568B disassembled, depending on designated wiring standard, press either T568A or T568B – wire management into the grounding sheet metal until you hear a snap.



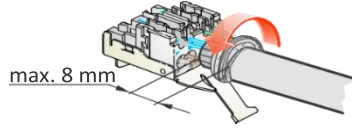
ENGINEERING RECORD NO : 664864	SAP NO : 187000555	Doc No: 187000552	Doc part: AS	REV- A
<a href="http://www.molexcs.com">http://www.molexcs.com</a>				

**4.5** Insert the wires into the designated position of the wire management as per below wiring scheme, either T568A or T568B.

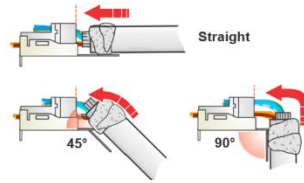


Color code		RJ 45 PIN No.
T568A	T568B	
W - G	W - O	1
G	O	2
W - O	W - G	3
BL	BL	4
W - BL	W - BL	5
O	G	6
W - BR	W - BR	7
BR	BR	8

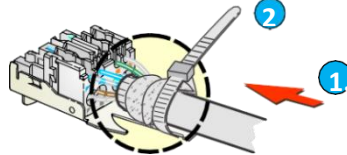
**4.6** Wrap the braided shield or drain wire around the cable jacket (max. 8 mm).



**Attention: The distance between the cable jacket and the wire management shall be as short as possible.**

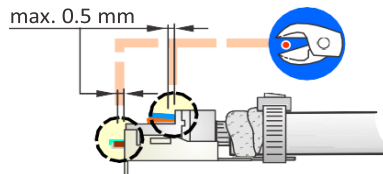


**4.7** Tie the cable tie for strain relief and after tightening cut off the excess length.

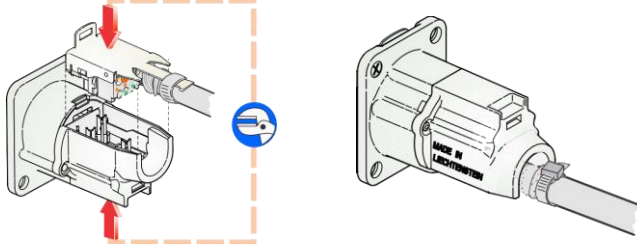


**Attention: Braided shield or drain wire must be covered by the cable tie.**

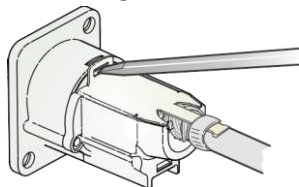
**4.8** Cut all wires with a wire cutter. Allow wires to protrude max. 0.5 mm.



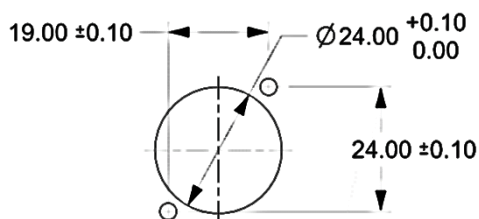
**4.9** Use the Parallel press tool or pliers wrench to press the wire management and housing together.



**5.0** **Open the connector:** Open the wire management via the designated lug by help of a flat screwdriver.



Panel Cutout (Rear Side)



M3 Countersunk screws (2 no's)  
(Head Dia Min 5mm and Max 6m)

