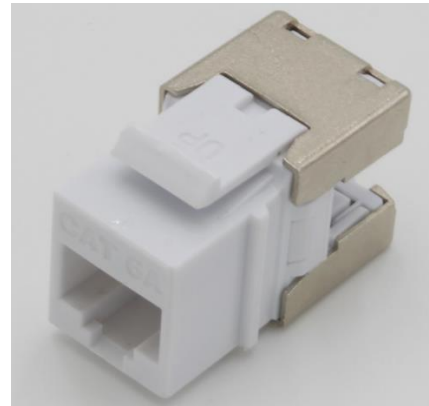
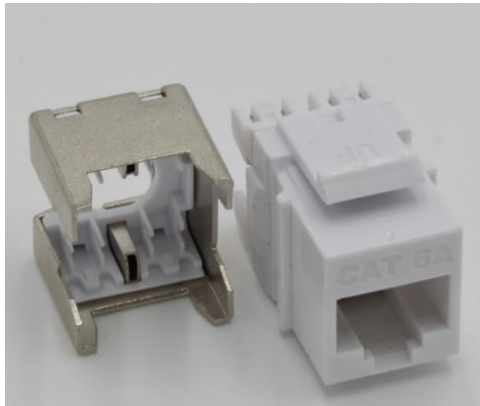


**JACK KEYSTONE C6A UTP GEN II and COMPATIBLE 4 PAIR TERMINATION TOOL****JACK KEYSTONE C6A UTP GEN II****COMPATIBLE 4 PAIR TERMINATION TOOL****1.0 Scope**

This document describes the installation instructions for the Molex JACK KEYSTONE C6A UTP Gen II. The jack can be terminated with the JACK KEYSTONE C6A Gen II, 4 Pair Termination tool, designed specifically for compatibility with this jack only. Note this tool is not compatible with any other Molex JACK KEYSTONEs. The jack can also be terminated with a 110 Termination Tool.

**2.0 Tools Required**

- JACK KEYSTONE C6A Gen II 4 Pair Termination Tool or
- 110 Punch Down Termination Tool
- Cable stripper
- Wire clipper

ENGINEERING RECORD NO : <b>721964</b>	SAP NO : <b>187000567</b>	Doc No: <b>187000567</b>	Doc part: <b>AS</b>	<b>REV- A</b>
<a href="http://www.molexces.com">http://www.molexces.com</a>				

### 3.0 Termination Procedure with JACK KEYSTONE C6A UTP Gen II 4 Pair Termination Tool 90° (side) or 180 ° (straight) cable exit



#### 3.1 Preparation of Cable

3.2 Remove 50mm/1.97in. cable sheath and cut the isolation wrap level with the cable sheath. Remove the central spline level with the cable sheath. Fig.1, 2 & 3



Fig.1.

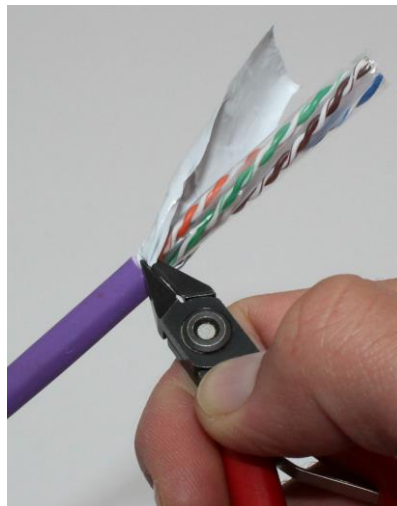


Fig.2

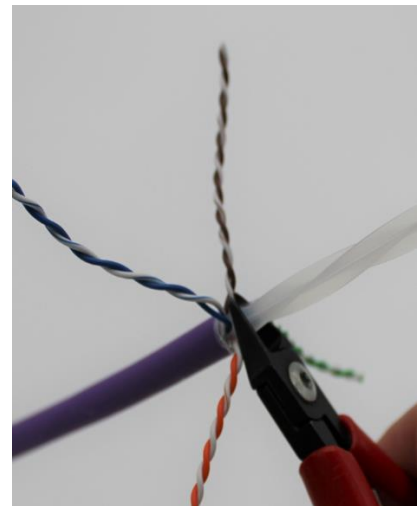


Fig. 3

#### 3.3 Insert the wires into the IDC's Fig.4

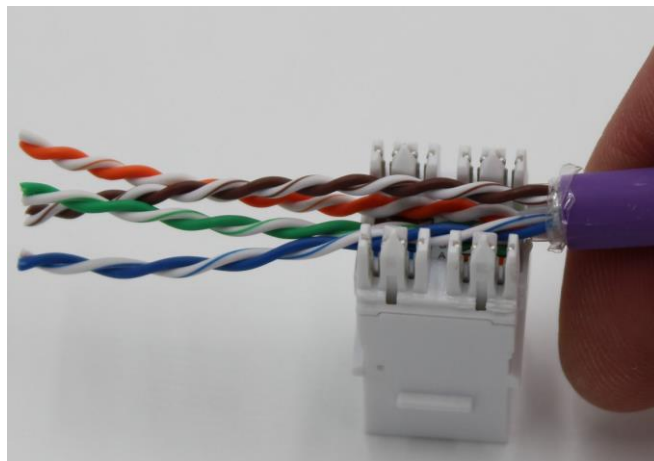


Fig. 4

3.4 Position the wires in the IDC following the wiring color code required. Fig.5

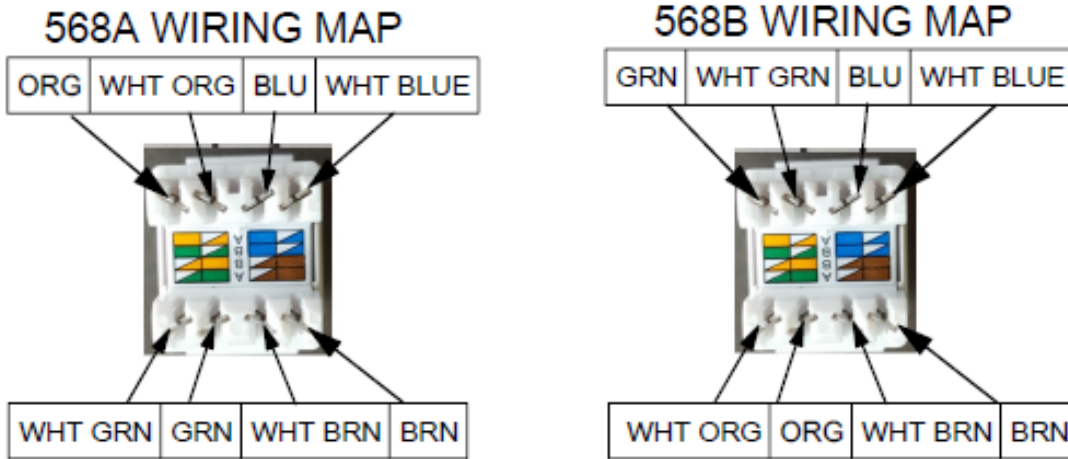


Fig.5

3.5 Maintain the pair twist to the base of the IDC towers. Keep the pair twist ratio uniform to reduce NEXT.

3.6 Allow 3mm (max.) unsheathed wire to the jack base for 180° (straight) cable exit when terminated with 4 Pair Termination Tool. Fig. 6

**NOTE:** This allowance is not necessary for 90° (side exit) Fig.7 See below.

**CAUTION:** If the 3mm unsheathed wire allowance is not observed, strain is placed on the wires when straightening the cable to 180° (straight) position following termination.

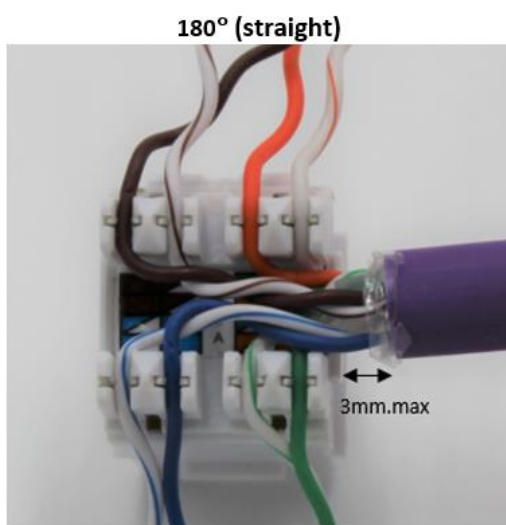


Fig. 6

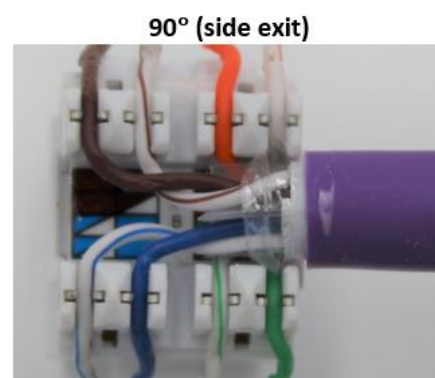


Fig. 7

3.7 Place jack into the base of C6A UTP JACK KEYSTONE 4 Pair Termination Tool. Fig.8

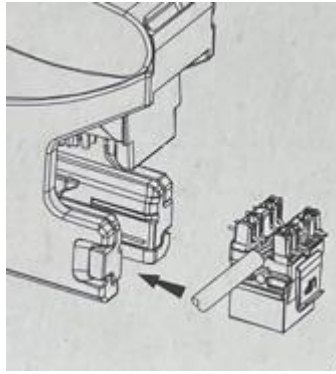


Fig.8

3.8 Squeeze the tool handle to terminate the jack and cut excess wire from the IDCs. Fig.9  
Remove jack from the tool. Fig.10

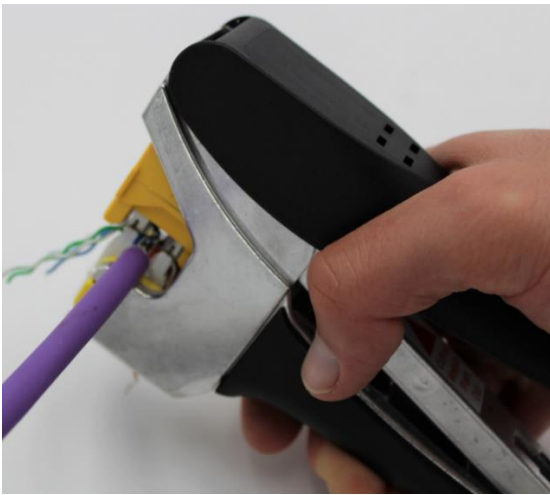


Fig.9



Fig.10

3.9 Place the rear cap over the IDC towers to ensure the wires are securely seated in the IDC. Fig. 11 & 12

**IMPORTANT:** To achieve optimum alien crosstalk protection the IDC cap must be placed over the IDC towers

3.10 Position the cable to 180° for straight cable exit. Fig.13

90° side cable exit

180° straight cable Exit

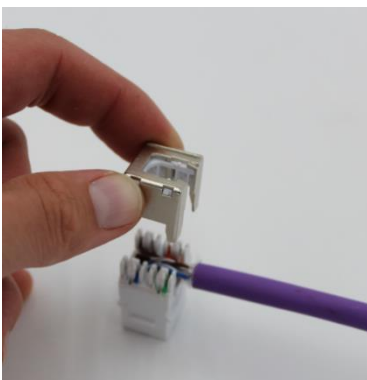


Fig.11

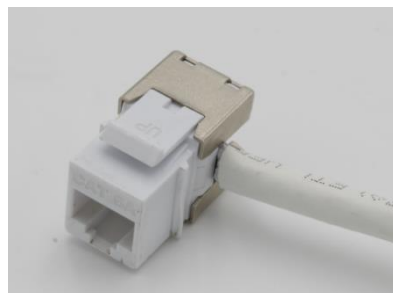


Fig.12



Fig.13

#### 4.0 Termination Procedure with 110 Termination Tool

4.1 Preparation of Cable - Refer to point 1.1

4.2 Termination Procedure

4.3 Position the wires in the IDC. Fig. 14

4.4 Follow the wiring color code required. Fig.5

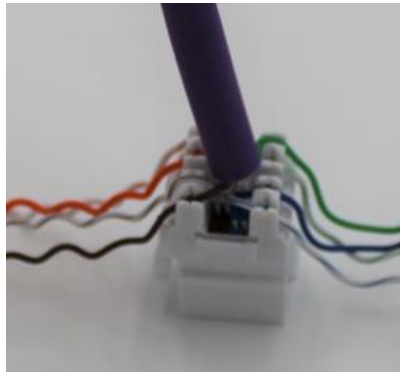


Fig. 14

4.5 Terminate the wires, maintaining 6mm max. pair untwist to the base of the IDC towers. Trim excess wire. Fig. 15 & 16

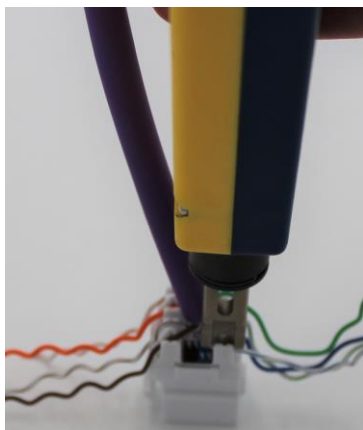


Fig. 15

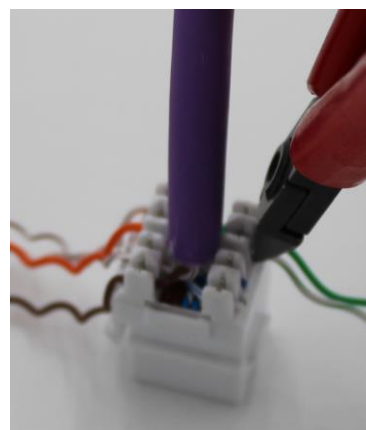


Fig.16

4.6 Place the rear stuffer cap/ANEXT protection cap over the IDC towers to ensure the wires are securely seated. Fig.17 & 18



Fig.17



Fig.18

## 5.0 Change Cutting Blade Module Fig.19

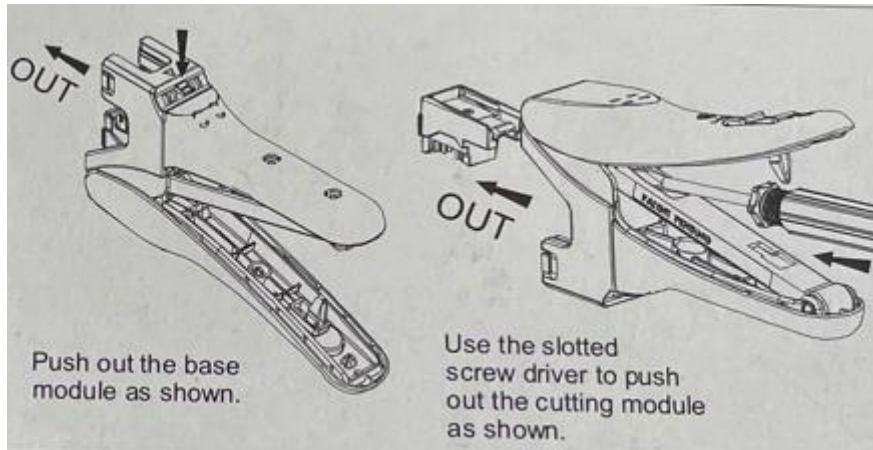


Fig.19

## 6.0 Locking and Releasing the Handle Fig.20 and 21

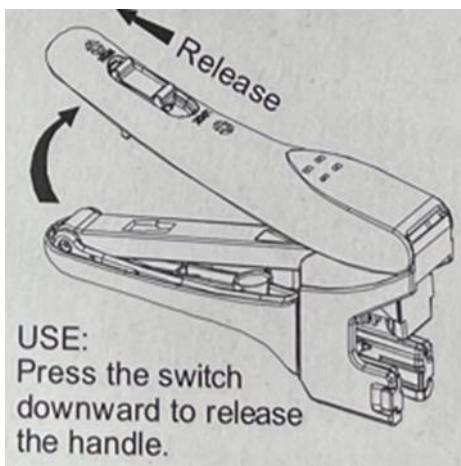


Fig.20

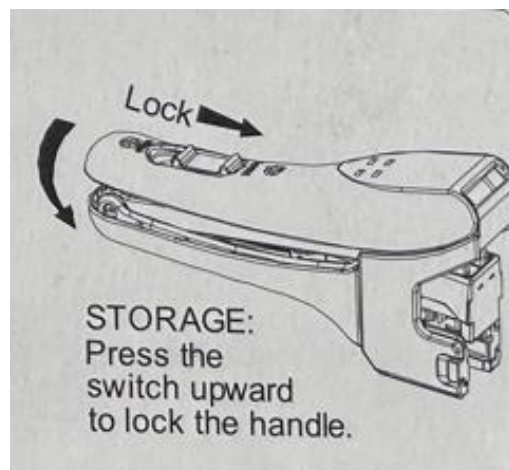


Fig.21

**CAUTION:** The Molex C6A cable shown here is unshielded. The cable does not include a drain wire or braid. The isolation wrap surrounding the cable provides ANEXT protection. Do not connect the isolation wrap to ground. This cable does not require grounding or bonding.