

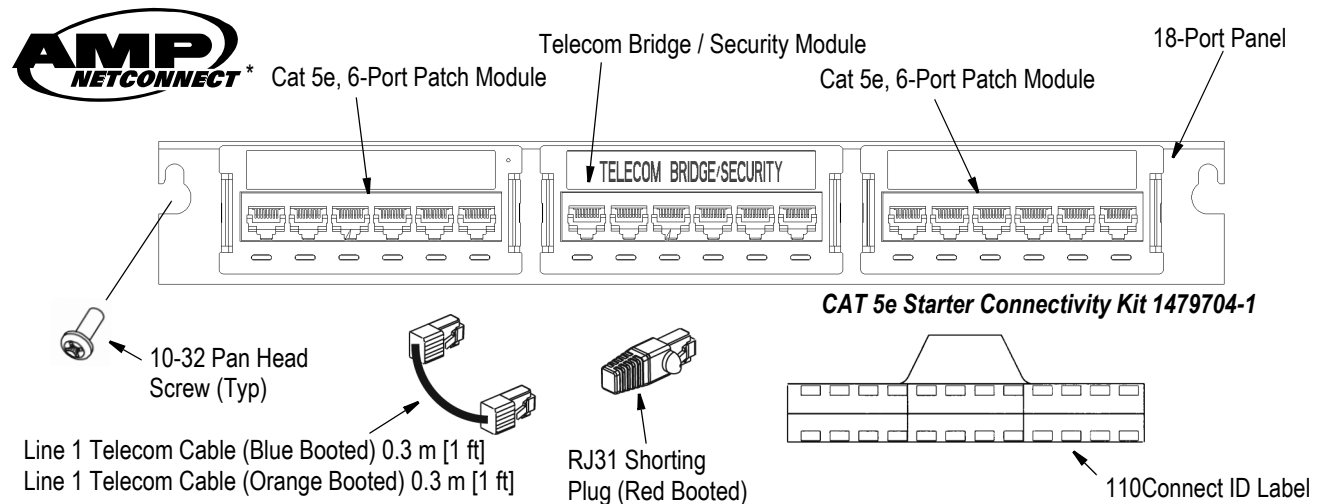


Figure 1

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1. INTRODUCTION

This instruction sheet provides installation procedures for the RCS Expansion Connectivity Kit 1479704-1 which is used in either the RCS14 or RCS36 Media Convergence Centers (MCC).

The Structured Cabling System is recommended to be installed in accordance with the ANSI TIA/EIA-570-A Residential Telecommunications Cabling Standard. Refer to that publication for technical specifications on wiring and cables.

NOTE All numerical values are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale

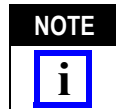
To obtain information on AMP NETCONNECT products, call PRODUCT INFORMATION at the number at the bottom of this page or visit the AMP NETCONNECT website at www.ampnetconnect.com.

2. DESCRIPTION

Basic terms and features of kit components are provided in Figure 1 (for component part numbers, refer to Figure 6. The interface housings and modules

are shipped assembled into the 18-port panel. All other components are supplied loose.

The following procedures include voice and data cable termination and component installation inside the MCC.

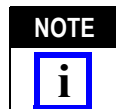


Installation and service shall be performed by a qualified installer. The MCC is intended to house Underwriters Laboratories Inc. (UL) listed devices only. Wiring must comply to the requirements for separation of circuits per the National Electric Code/NFPA 70.

3. CAT 5 CABLE (Cat 5e Recommended)

This cable consists of four, unshielded, twisted pairs of wires that are used for telephone distribution (voice) and computer networking (data). The cables should be divided and inserted through the two hole plugs at the top of the MCC (see Figure 2).

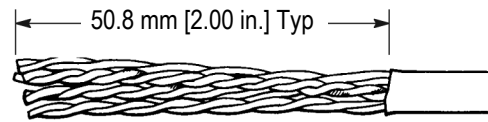
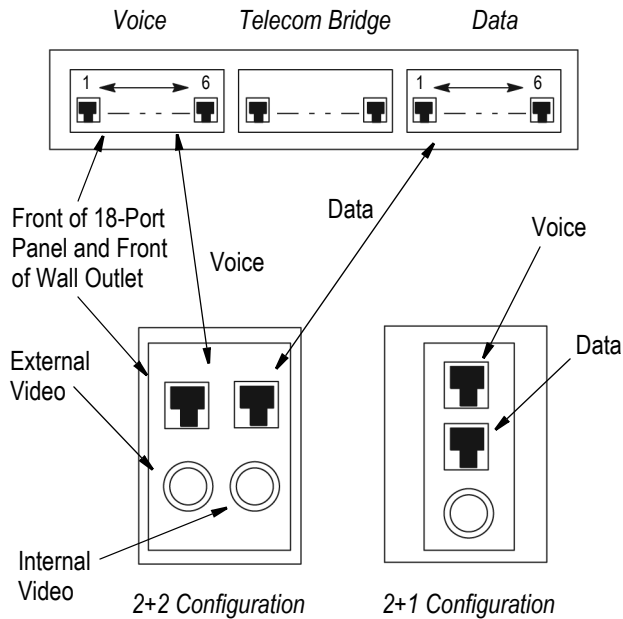
Each cable should be labeled to identify the room/wall outlet. It is recommended that voice cable be located on the left and data cable on the right - for consistency at the wall outlet and in the MCC.



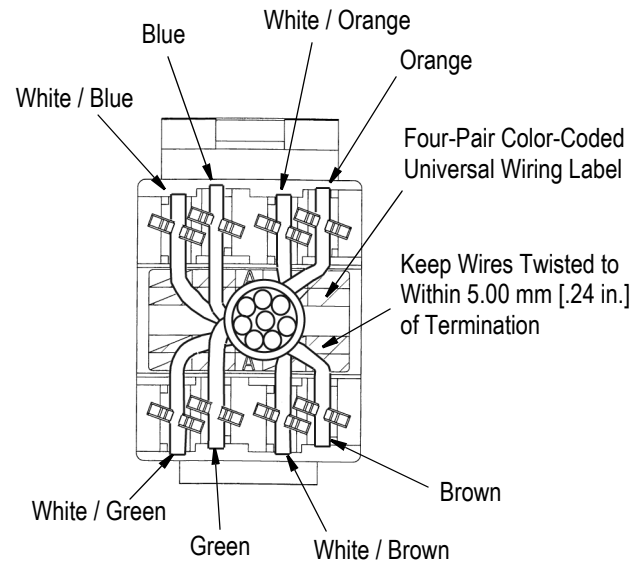
The cable bend radius should be maintained throughout cable installation (minimum bend radius is four times the diameter of the cable).

Allow cable to extend approximately 46 cm [18 in.] into MCC for termination and mounting of 18-port panel. Push excess cable back up into wall cavity.

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Optional SL Modular Jack Termination (T 568A Color Code Shown)



Recommended Outlet Configuration

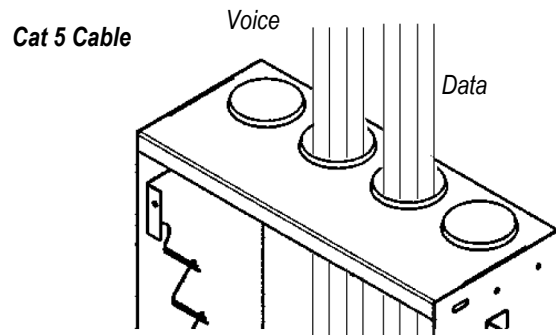


Figure 2

3.1. CAT 5 Cable Termination

The patch modules are terminated to the Cat 5 cables going to the wall outlets. The blue SL modular jack (included with Demarcation Kit 1479285 - if purchased) is terminated to the incoming telephone service cable entering the MCC.

Refer to Figure 5 for proper wire stripping and termination. Voice cables are terminated in the left patch module and data cables in the right patch module.

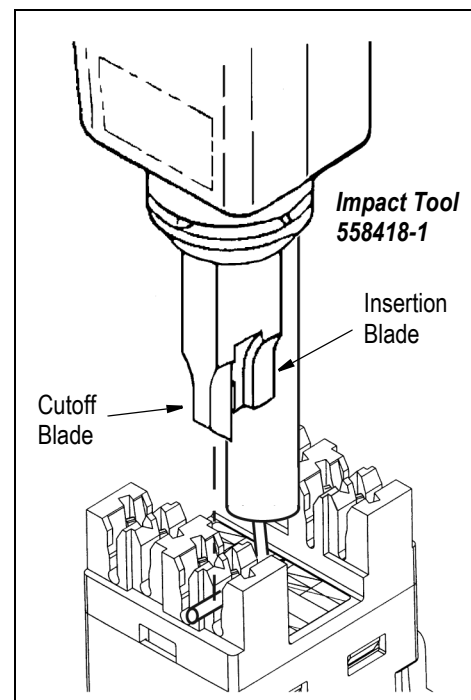


Figure 3 (Cont'd)

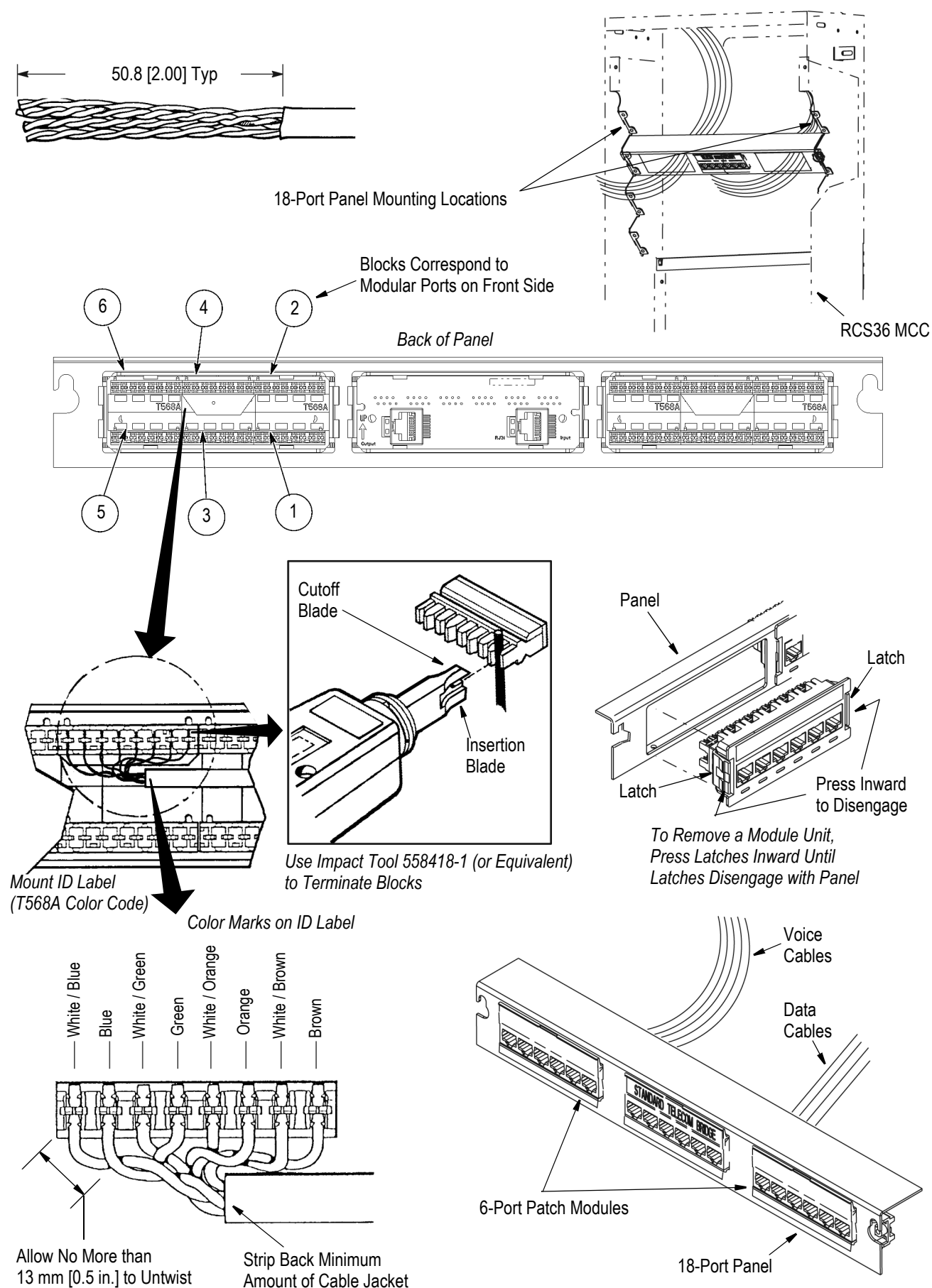


Figure 3 (End)

4. 18-PORT PANEL INSTALLATION

The RCS14 MCC accommodates two 18-port panels.

The RCS36 MCC accommodates four 18-port panels. When one or more expansion panels are to be installed, the expansion panel(s) should be installed first. Panel(s) should be mounted starting on the bottom bracket.

1. Before mounting the panel, some components must be inserted into the BACK of the Telecom bridge/security module. See Figure 4.

a. Insert one end of the 0.6 m [2-ft] Telecom demarcation cable (blue-booted) (included with demarcation kit) into the INPUT port of the Telecom/bridge security module.

NOTE



Allow the other end of this cable assembly to hang loosely inside the center of the MCC (it will be attached later to the blue SL modular jack that is terminated to the incoming telephone service cable).

b. Insert the red RJ31 shorting plug into the RJ31 center port of the Telecom/bridge security module.

NOTE



The shorting plug is inserted only if no security panel is connected to the security port (marked RJ31 on back). Either shorting plug or security panel must be installed to provide Line 1 service.

c. Insert one end of the 0.3 m [1 Ft] Telecom expansion cable (blue, non-booted) (included with expansion panel - if used) into the OUTPUT port of the Telecom/bridge security module.

2. Mount panel onto lower brackets with 10/32 pan head screws, or above expansion panel(s) if used.

NOTE



Carefully position the cables so that they do not provide stress on the patch modules. Push excess cable up into the wall.

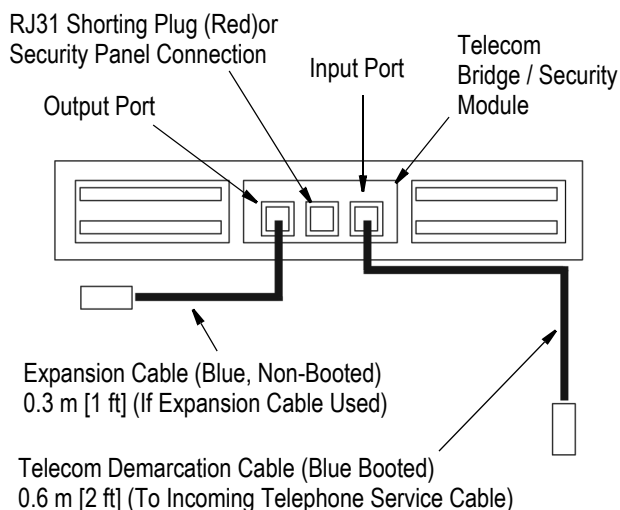
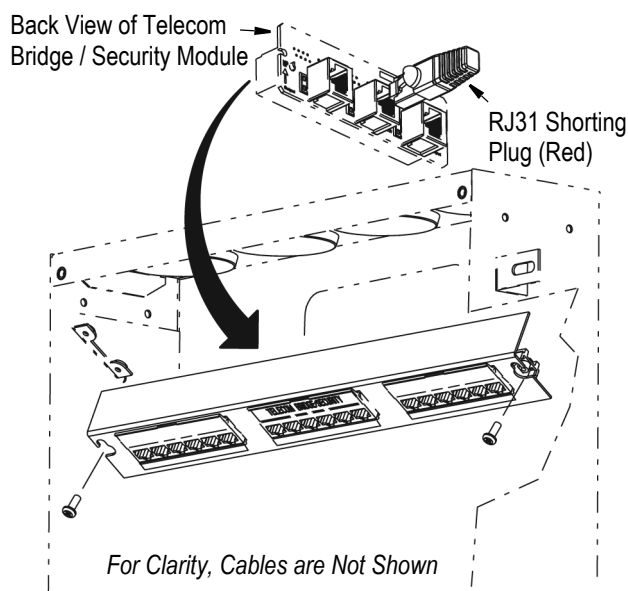
3. Remove Cat 5e 6-port modules from 18-port panel. Feed Cat 5e cables through openings in 18-port panel and trim to proper length.

4. Terminate the SL Modular Jack (purchased separately) and 6-port patch modules according to Section 3, CAT 5 Cable Termination.

5. After patch module termination, snap modules into front slot of 18-port panel and feed excess cable into wall.

6. Identify each cable and mark the label (not supplied) accordingly above each port position.

7. The blue SL modular jack (terminated to the incoming telephone service cable) should be inserted into the demarcation bracket and mounted onto the equipment mounting bracket (not shown).



Rear View of 18-Port Panel (Cable Assembly Connections)

Demarcation Kit 1479285-1

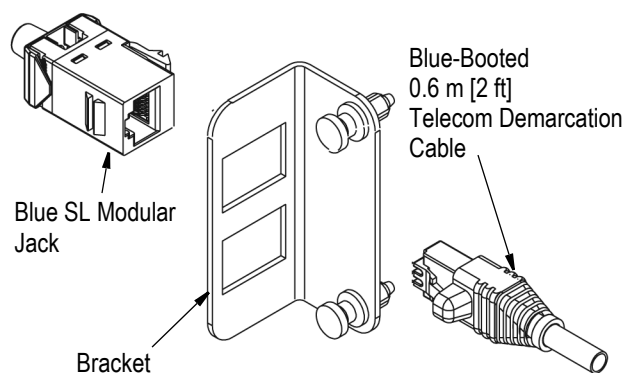
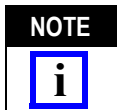


Figure 4

5. CONFIGURATION PROCEDURES

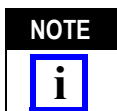


Data connections are not covered in this document. Refer to the procedures provided with the selected networking equipment.

The six, blue-booted (Line 1), and two, orange-booted (Line 2), 0.3 m [1 Ft] Telecom cables are used to connect and configure telephone (voice) service to each wall outlet.

To configure Line 1, 2, 3, or 4 as the primary telco line at a selected wall jack, patch the appropriate patch panel port (corresponding to the desired wall outlet jack) to a Telecom bridge/security module using the appropriate line selection cord.

To identify the primary telco line available at any given outlet, the patch cord color will correspond to the following color-code: (Line1 - blue; Line 2 - orange; Line 3 - green; Line 4 - gray).



Line 3 (green booted - part number 1479005-1) and Line 4 (gray booted - part number 1479006-1) are purchased separately.

If a specific outlet jack is to be designated for an application utilizing active switching (Ethernet network, PBX, etc) patch the appropriate patch panel port to the active switching device using a 568A patch cable (Cat 5e, 0.6 m [2 Ft], yellow, part number 219246-2 is recommended).

After configuring the telephone lines, use the hook and loop Velcro cable tie to bundle the cords together. See Figure 5.

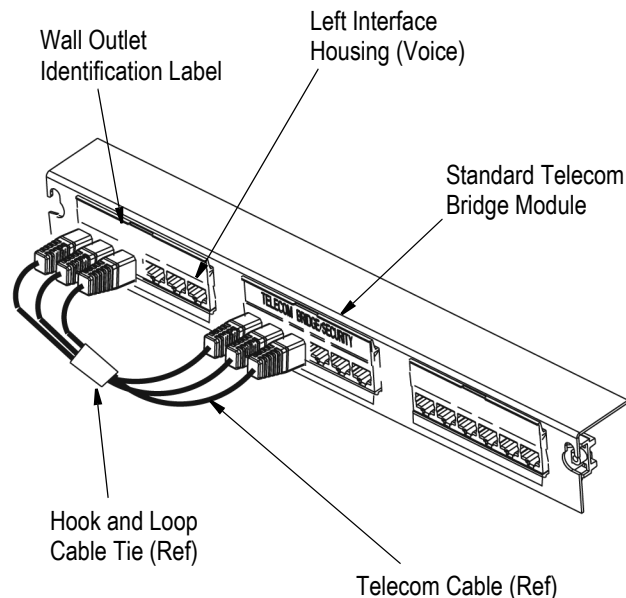


Figure 5

6. REVISION SUMMARY

Updated logo and format to current requirements.

COMPONENT PARTS LIST

COMPONENT DESCRIPTION	PART NUMBER	QTY PER KIT
18-Port Panel, Front-Loadable	1479609-1	1
Telecom Bridge / Security Module	1479782-1	1
6-Port, Cat 5e, Patch Module	406337-1	2
6-Port Interface Housing, Front-Loadable	1479187-1	3
10/32 Cross-Recessed, Pan Head Screw, Bag of Four Screws	406746-2	1
Line 1 Telecom Cable (Blue Booted) 0.3 m [1 Ft]	1479557-1	6
Line 2 Telecom Cable (Orange Booted) 0.3 m [1 Ft]	1479004-1	2
Velcro Cable Tie (Blue) 0.2 m [1 ft]	1375274-6	1
RJ31 Shorting Plug	1375379-1	1
110Connect ID Label	406905-1	1

Figure 6