

## IS – DATA GATE FTP JACK AND MODULE INSTALLATION

### 1.0 SCOPE

This document provides installation instructions for Molex Power Cat C6 & C5E shielded jack and module.

### 2.0 PROCEDURE

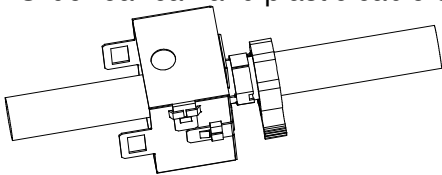
The following tools are required:

- 110 punch down tool set on low impact OR
- Wire clippers and
- Cable stripper.

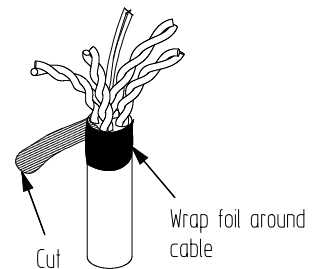
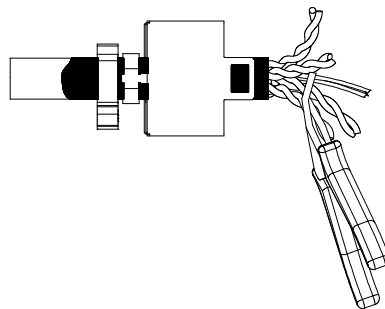
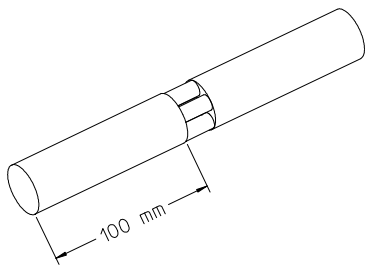
#### Cable preparation and termination:

##### 2.1. A Cable preparation (F/UTP):

1. Slide rear can and plastic cable clamp on to cable.



3. Remove 100mm (4") of cable sheath. Cut central separator back to sheath. Cut cellophane wrap back to sheath. Wrap foil around cable.

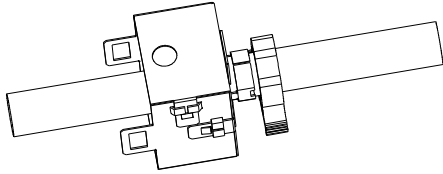


<b>MPN NO.</b>	<b>SAP NO.</b>
215-408	187000400

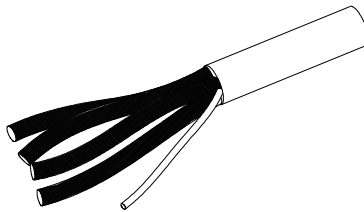
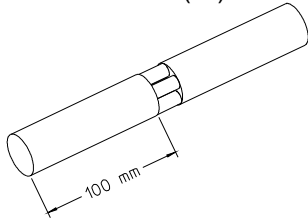
REVISION: <b>A1</b>	ECR/ECN INFORMATION: EC No: <b>MTS2013-0071</b> DATE: <b>2013 / 07 / 16</b>	TITLE: <b>IS – DATA GATE FTP JACK AND MODULE INSTALLATION</b>	SHEET No. <b>1 of 7</b>
DOCUMENT NUMBER: <b>AS-18700-094</b>	CREATED / REVISED BY: <b>SNAGARAVENKA</b>	CHECKED BY: <b>BJ MAHENDRA</b>	APPROVED BY: <b>DURAN, JIM</b>

## 2.1. B Cable preparation (U/FTP):

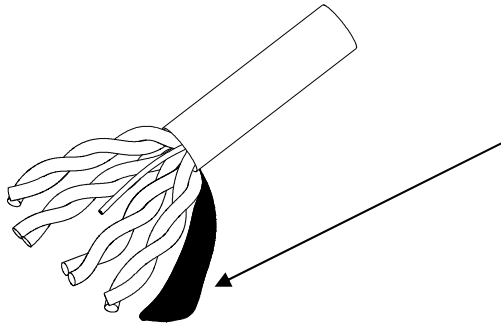
1. Slide the plastic cable clamp and rear can on to cable.



2. Remove 100mm (4") of cable sheath.

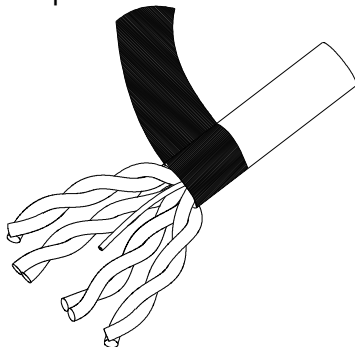


3. Remove 3 of 4 foils from the cable pairs. Unwrap the foil from 1 pair in preparation for wrapping around the cable sheath.



The **dark side** of the foil is **non-conductive** side. Ensure that this side faces the cable sheath when wrapped. The **silver color** is the **conductive side** and must face outward.

4. Wrap the foil around the sheath with the conductive side of the foil facing outward. Trim of excess foil.

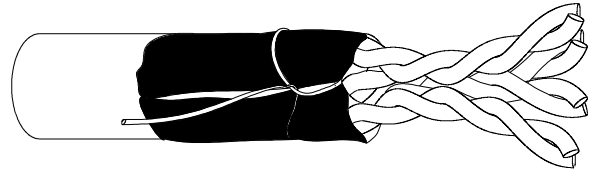
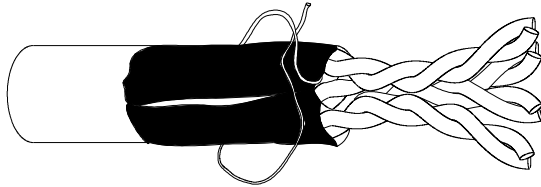


MPN NO.	SAP NO.
215-408	187000400

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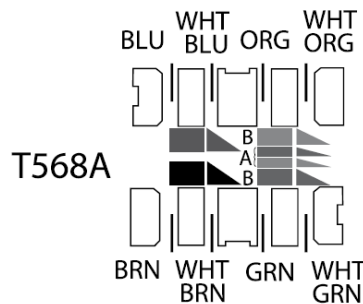
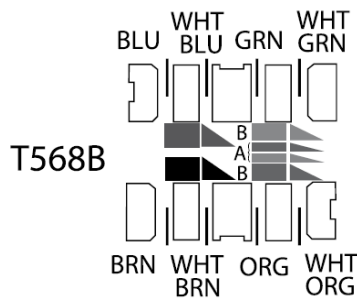
## 2.2

Wrap drain wire around foil and tighten, leaving a length of drain wire available for wrapping around rear can cable clamp.



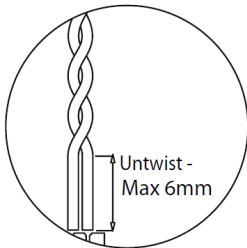
## 2.3 Termination:

1. Terminate the individual wires with the 110 Termination Tool to the Data Gate Jack IDT following the wire color coding schematic on the jack.

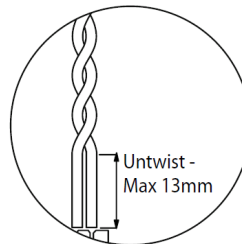


### COLOR CODE SCHEMATIC

2. Ensure that the cable remains untwisted up to the IDT.



PowerCat 6



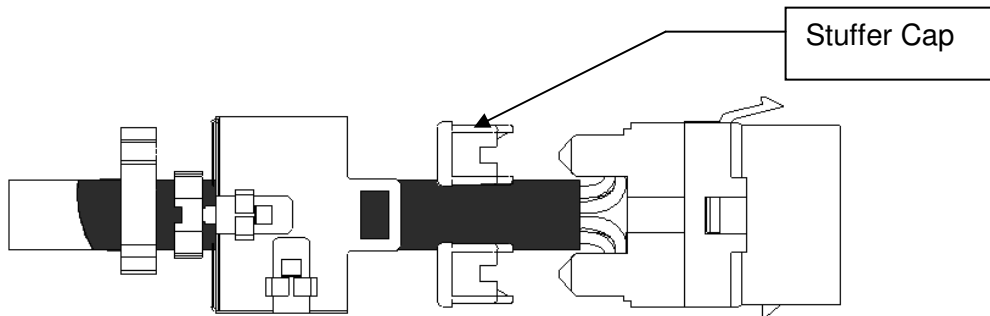
PowerCat 5e

3. Terminate jack before inserting it in front can.

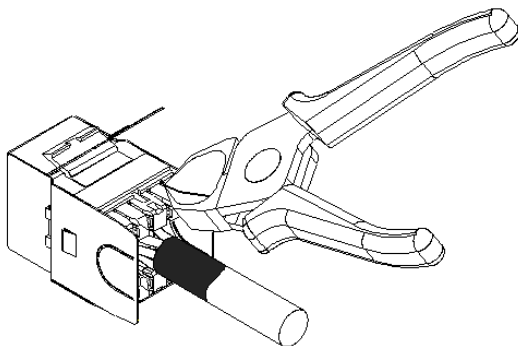
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- Ensure that cable sheath is maintained up to connector.

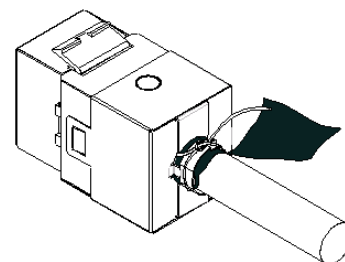
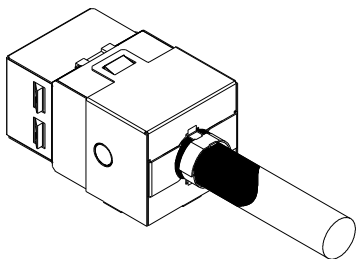


- Once terminated, the stuffer cap must be fitted to the connector.
- Ensure cables are trimmed off flush with IDC, if not use side cutters to remove excess cable after termination.



## 2.4 Fitting can and securing cable:

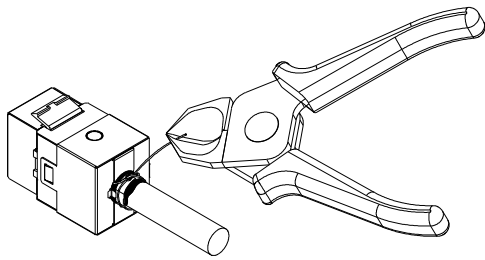
- Slide the rear can over the front can. ensure that the two halves are latched together securely.
- Ensure that sufficient foil and drain wire makes contact with rear metal collar. Trim of excess foil.



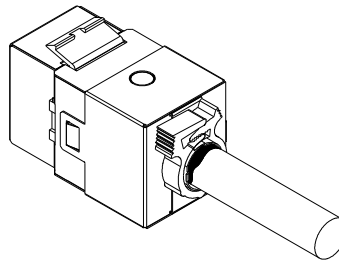
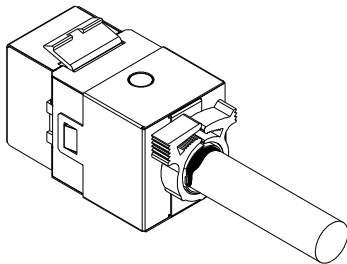
- Tighten the drain wire over the metal collar to maintain solid continuity.

MPN NO.	SAP NO.
215-408	187000400

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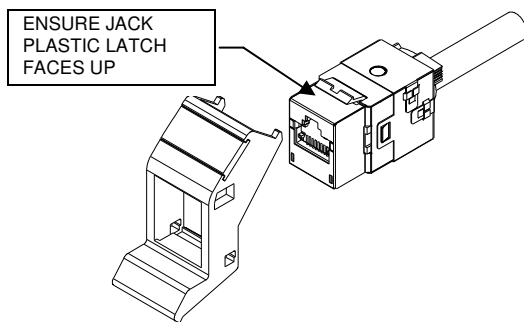


4. Secure the cable with the plastic cable clamp placed and tightened over the metal collar.

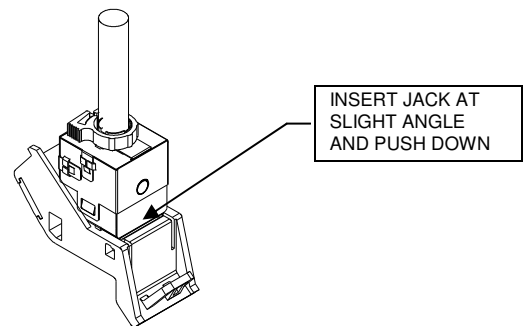


## 2.5 To Assemble Data Gate Jack to Fascia:

1. Orientate the jack such that the latch of the jack is facing upward see Fig 1.
2. Slide jack into fascia port opening at a slight angle (Fig 2).
3. Insert the jack latches into the base of the fascia.
4. Snap jack into the fascia by pushing and engaging the latches at the top of the jack into the fascia into the fascia. An audible “click” can be heard and the jack should be flush with the fascia port opening and should be fixed securely.



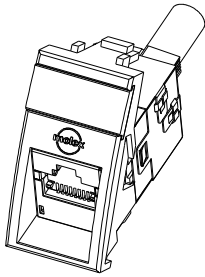
**Fig 1**



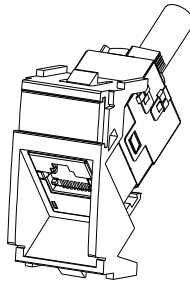
**Fig 2**

<b>MPN NO.</b>	<b>SAP NO.</b>
215-408	187000400

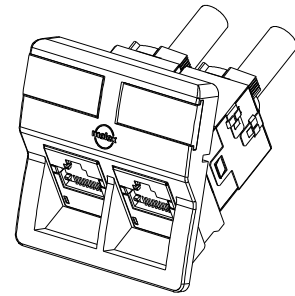
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DOCUMENT NUMBER: <b>AS-18700-094</b>	CREATED / REVISED BY: <b>SNAGARAVENKA</b>	CHECKED BY: <b>BJ MAHENDRA</b>	APPROVED BY: <b>DURAN, JIM</b>



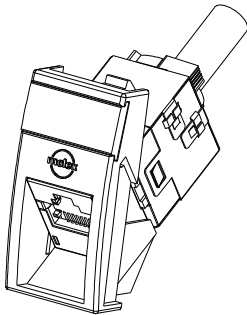
**Bticino**



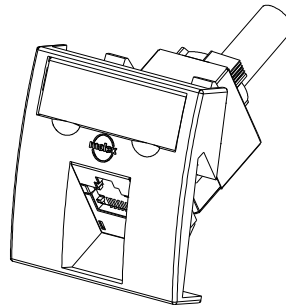
**Vimar**



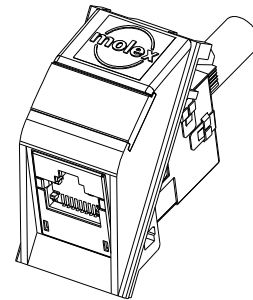
**DIN Module**



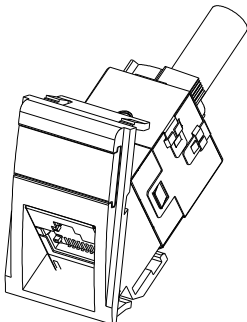
**22.5 X 45 mm module**



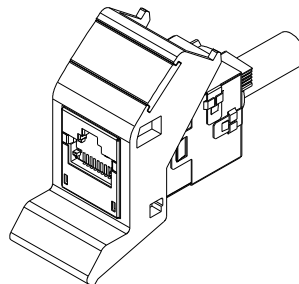
**45 X 45 mm module**



**Euromod II Module**



**Mod Snap III**



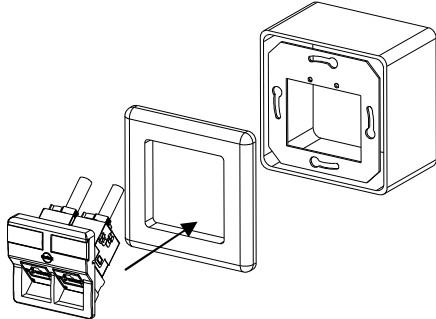
**Contura module**

<b>MPN NO.</b>	<b>SAP NO.</b>
215-408	187000400

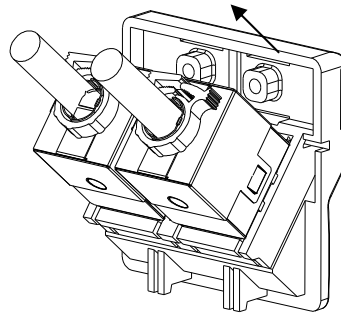
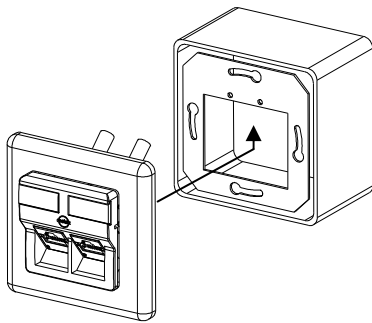
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## 2.6 Fitting DIN Modules into wall plate:

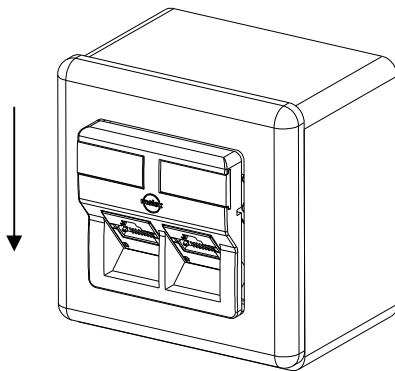
### 1. Fitting the wall plate



### 2. Insert wall plate through the grid plate and push up. This will allow clips to fit through the grid plate aperture.



### 3. Push wall plate down to fit into final position.



Wall plate rear clips must be positioned over the grid - plate.

MPN NO.	SAP NO.
215-408	187000400

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