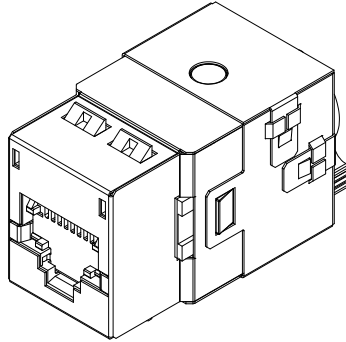


**TITLE: SHIELDED DATA GATE JACK**



**1.0 SCOPE:**

This document provides installation instructions for Molex Shielded Data Gate jack.

**2.0 PRODUCT DESCRIPTION**

This is Data Gate jack. Required tools are Cable Strippers, Wire Clipper and Termination Tool.

**3.0 REFERENCE DOCUMENTS**

**4.0 PROCEDURE**

**4.1 GENERAL REQUIREMENTS**

**4.2 ASSEMBLY INSTRUCTIONS**

**4.3 REMOVAL INSTRUCTIONS**

Terminated with F/UTP Cable.....  
 Terminated with S/FTP Cable.....  
 Terminated with U/FTP Cable.....

**1. Termination Tool**

110 Termination tool set on low impact.



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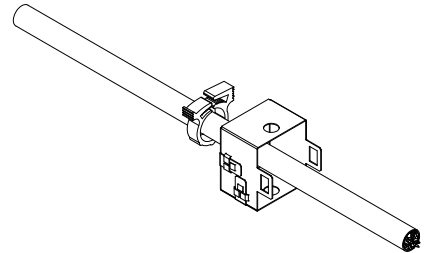
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<b>DOCUMENT NUMBER:</b> <b>AS-18700-002</b>	<b>CREATED / REVISED BY:</b> <b>K. OJDANA</b>	<b>CHECKED BY:</b> <b>RCG</b>	<b>APPROVED BY:</b> <b>JDURAN</b>

## TERMINATED WITH F/UTP CABLE

### 2. Preparation and termination (F/UTP)

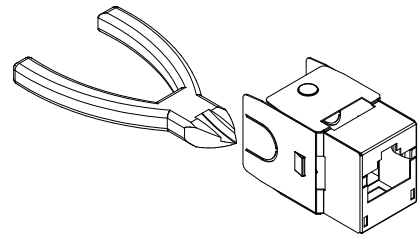
- 2a. Slide rear can and plastic cable clamp on to cable.
- 2b. 180° Cable Entry.

Fig.2a & 2b



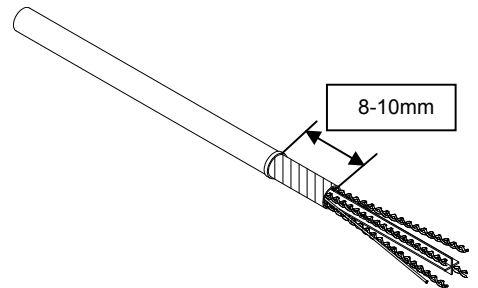
- 2d. Remove Can cut-out for 90° cable entry.

Fig.2d



- 2e. Remove 100mm of Cable sheath. Cut central separator back to sheath. If existing, wrap foil around cable leaving excess of 8 to 10 mm as per shown. Conductive side of the foils should be facing out.

Fig.2e



- 2f. Wrap drain wire around foil, leaving a length of drain wire available for wrapping around rear can cable clamp.

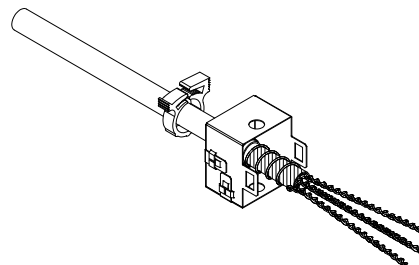
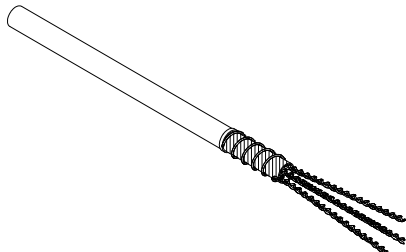
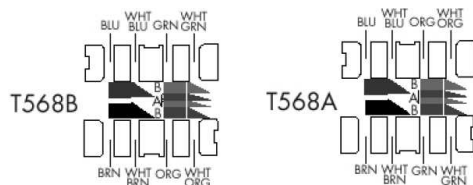


Fig.2f

- 2g. Wiring Map.

Fig.2g



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<b>DOCUMENT NUMBER:</b> <b>AS-18700-002</b>	<b>CREATED / REVISED BY:</b> <b>K. OJDANA</b>	<b>CHECKED BY:</b> <b>RCG</b>	<b>APPROVED BY:</b> <b>JDURAN</b>

- 2h. Terminate the jack before inserting it in front can.
- 2i. Ensure that the cable sheath is maintained up to the connector.
- 2j. Once terminated, the stuffer cap must be fitted to the connector.

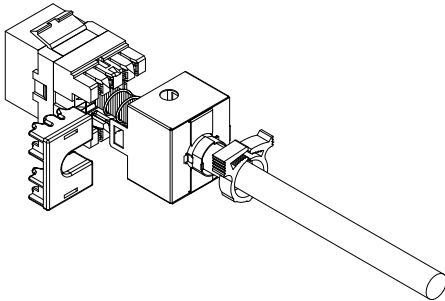
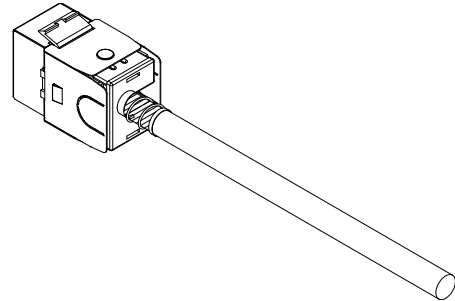
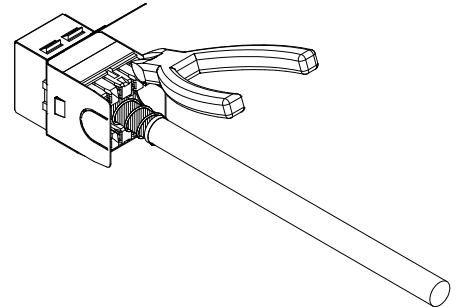


Fig.2h,2i,2j



- 2k. Ensure cables are terminated off flush with IDC, if not use side cutters to remove excess cable after termination.

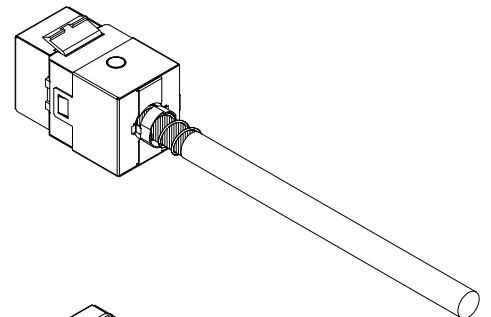
Fig.2k



### 3. Fitting Can and Securing cable (F/UTP)

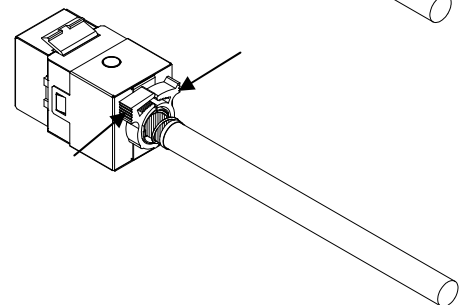
- 3a. Slide the rear can over the front can. Ensure that the two halves are latched together securely.
- 3b. Ensure that sufficient foil and drain wire makes contacts with collar. Trim off excess foil.
- 3c. Tighten the drain wire over the metal cable collar to maintain shield continuity.

Fig.3a,3b,3c



- 3d. Secure the cable with the plastic cable clamp, placed and tightened over the metal.

Fig.3d



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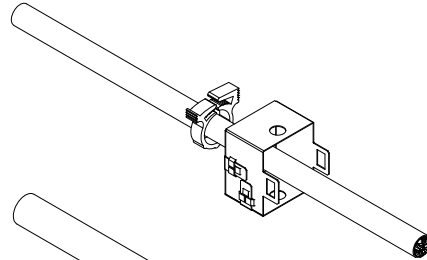
<b>REVISION:</b> <b>D</b>	<b>ECR/ECN INFORMATION:</b> EC No: <b>MTS2012-0065</b> DATE: <b>2012 / 05 / 03</b>	<b>TITLE:</b> <b>INSTRUCTION SHEET</b> <b>SHIELDED DATA GATE JACK</b>	<b>SHEET No.</b> <b>3 of 6</b>
<b>DOCUMENT NUMBER:</b> <b>AS-18700-002</b>	<b>CREATED / REVISED BY:</b> <b>K. OJDANA</b>	<b>CHECKED BY:</b> <b>RCG</b>	<b>APPROVED BY:</b> <b>JDURAN</b>

## TERMINATED WITH S/FTP CABLE

### 4. Preparation and termination ( S/FTP)

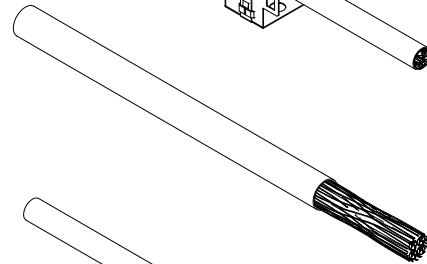
4a. Slide plastic cable clamp and rear can on to cable.

Fig.4a



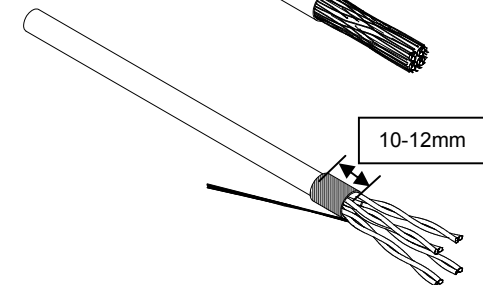
4b. Remove 100mm of cable sheath.

Fig.4b



4c. Remove foil from pairs of cable leaving 10 to 12mm of it. Twist braid to create string and wrap around cable.

Fig.4c



4d. Wiring Map.

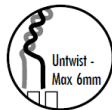
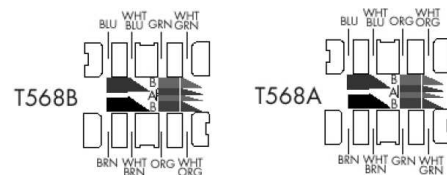


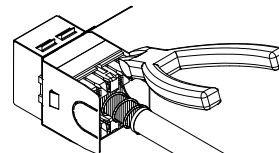
Fig.4d



4e. Terminate cable ensuring that enough twisted braid is available to make contact when the rear can is fitted.

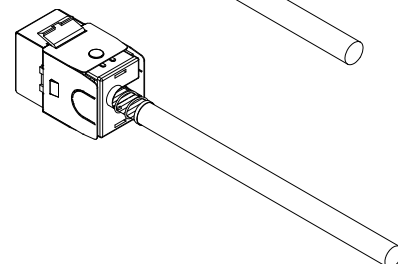
4f. Ensure cables are trimmed off flush with IDC, if not use side cutters to remove excess cable after termination.

Fig.4e, 4f



4g. Fit stuffer cap after termination.

Fig.4g



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<b>DOCUMENT NUMBER:</b> <b>AS-18700-002</b>	<b>CREATED / REVISED BY:</b> <b>K. OJDANA</b>	<b>CHECKED BY:</b> <b>RCG</b>	<b>APPROVED BY:</b> <b>JDURAN</b>

## 5. Fitting Can and securing cable (S/FTP)

- 5a. Slide the rear can over the front can. Ensure that the two halves are latched together securely.
- 5b. Wrap braid around the metal cable collar to maintain shield continuity.

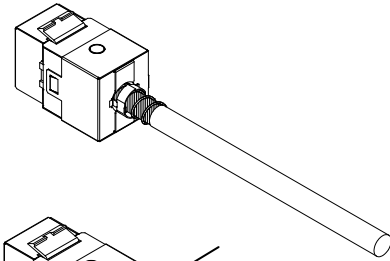


Fig.5a, 5b

- 5c. Secure the cable and braid with the plastic cable clamp, place and tighten over the metal cable collar.

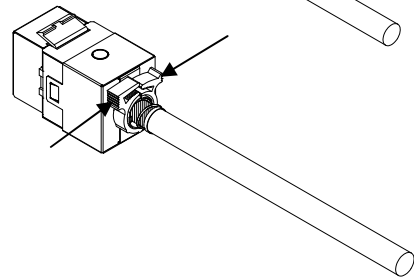


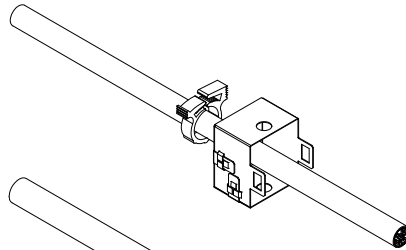
Fig.5c

## TERMINATED WITH U/FTP CABLE

## 6. Preparation and termination (U/FTP)

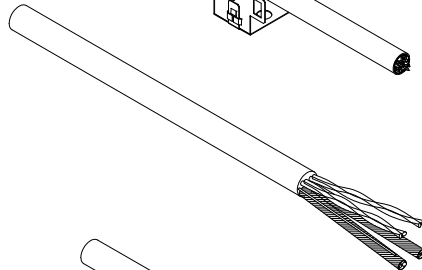
- 6a. Slide plastic cable clamp and rear can on to cable.

Fig.6a



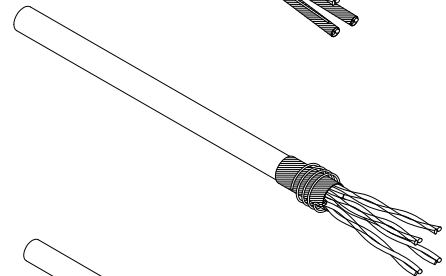
- 6b. Remove 100mm of cable sheath.

Fig.6b



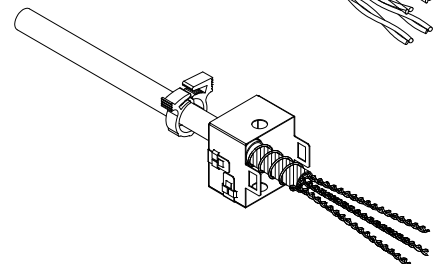
- 6c. Remove 3 of the from the cable pairs. Unwrap the foil from the foil from 1 pair in preparation for wrapping around the cable sheath. The dark side of foil is the non-conductive side. Ensure that this side faces the cable sheath when wrapped. The silver color is the conductive side and must face outward.
- 6d. Wrap the foil around the sheath with the conductive side of the foil facing outward. Trim off excess foil.

Fig.6c,6d



- 6e. Wrap drain wire around foil and tighten, leaving a length of drain wire available for wrapping around rear can clamp.

Fig.6e

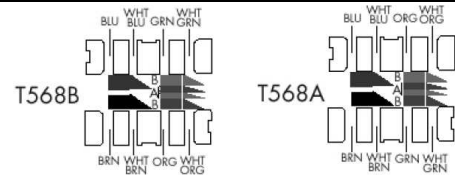


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### 6f. Wiring Map.

Fig.6f



- 6g. Terminate the jack before inserting it in front can.
- 6h. Ensure that the cable sheath is maintained up to the connector.
- 6j. Once terminated, the stuffer cap must be fitted to the connector.

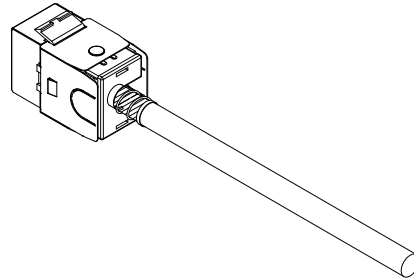
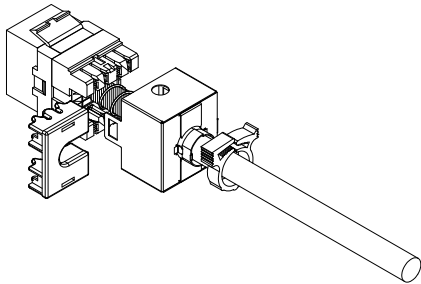


Fig.6g,6h,6j

- 6j. Ensure cables are terminated off flush with IDC, if not use side cutters to remove excess cable after termination.

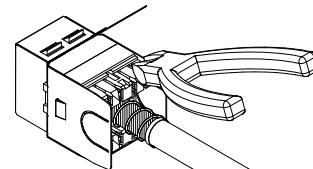


Fig.6j

### 7. Fitting Can and securing Cable (U/FTP)

- 7a. Slide the rear can over the front can. Ensure that the two halves are latched together securely.
- 7b. Ensure that sufficient foil and drain wire makes contact with rear metal collar. Trim off excess foil.
- 7c. Tighten the drain wire over the metal cable collar to Maintain shield continuity.

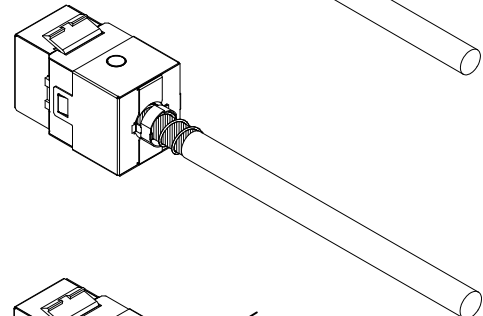


Fig.7a,7b,7c

- 7d. Secure the cable with the plastic cable clamp, placed and tightened over the metal cable collar.

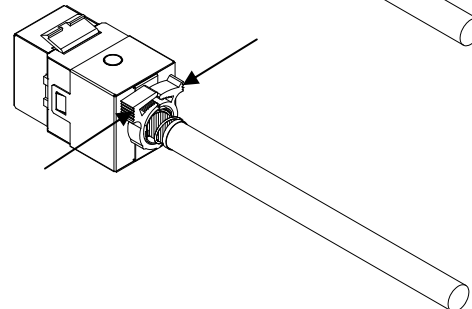


Fig.7d

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<b>DOCUMENT NUMBER:</b> <b>AS-18700-002</b>	<b>CREATED / REVISED BY:</b> <b>K. OJDANA</b>	<b>CHECKED BY:</b> <b>RCG</b>	<b>APPROVED BY:</b> <b>JDURAN</b>