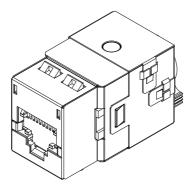
# **molex**<sup>®</sup> APPLICATION SPECIFICATION

# 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.

REVISION: ECR/ECN INFORMATION: TITLE:



MPN NO.SAP NO.315-234187000294

SHEET No.

D <u>EC No:</u> MTS2012-0065 DATE: 2012 / 05 / 03		INSTRUCTIONSHEET SHIELDED DATA GATE JACK			
DOCUMENT NUMBER:		CREATED / REVISED BY: CHECKED BY: APPRO			/ED BY:
AS-18700-002		K. OJDANA	RCG	JDURAN	
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n	nolex	APPLICA		SPECII	FICATIO	N
TERMIN	ATED WITH F/UTP CA	3LE				
2a. Slide	aration and termination rear can and plastic cab Cable Entry.		Fig.2a & 2b			
2d. Rem	ove Can cut-out for 90° o	cable entry.	€ Fig.2d			
back exce	ove 100mm of Cable she to sheath. If existing, wr ss of 8 to 10mm as per pils should be facing out.	ap foil around cable le shown. Conductive sid	aving			8-10mm
	drain wire around foil, le able for wrapping around					
$\sim$		$\langle$				and the set
		Fig.2f			No	
2g. Wirir	ng Map.	Fig.2g				
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DOCUMENT NUMBER: AS-18700-002		K. OJDANA	RCG JDUR			
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molex	APPLICAT	ION SPECIF	ICATIO	N
2h.Terminate the jack before inse 2i. Ensure that the cable sheath i 2j. Once terminated, the stuffer ca	s maintained up to the cor			
	>			
	Fig.2h,2i,2j			
2k. Ensure cables are terminated if not use side cutters to remo after termination.	ove excess cable	g.2k		
<ol> <li>Fitting Can and Securing ca 3a. Slide the rear can over the fro the two halves are latched tog 3b. Ensure that sufficient foil and contacts with collar. Trim off e 3c. Tighten the drain wire over th to maintain shield continuity.</li> </ol>	ont can. Ensure that gether securely. drain wire makes excess foil. e metal cable collar	a,3b,3c		
3d. Secure the cable with the plan and tightened over the metal		J.3d		
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AS-18700-002	K. OJDANA	RCG	JDUR	
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n	nolex	APPL		ION	SPEC	IFICATI	ON	
TERMIN	ATED WITH S/FTP CAE	BLE						
	earation and termination plastic cable clamp and		cable.	$\langle$				
			Fig.4a					
4b. Rem	ove 100mm of cable she	ath.		$\langle$			è	
			Fig.4b					
10 to	ove foil from pairs of cab o 12mm of it. Twist braid wrap around cable.			$\langle$			•	
			Fig.4c		-		I2mm	
4d. Wirir	ng Map.	Untwist - Mox 6mm	Fig.4d	T568				
aviala 4f. Ensu	inate cable ensuring that able to make contact whe re cables are trimmed off cutters to remove excess	n the rear can flush with IDC	is fitted. , if not use					
			Fig.4e,	4f				
4g. Fit si	4g. Fit stuffer cap after termination.							
			Fig.4g					
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n	nolex	APPLICAT	ION S	SPECIF	ICATIO	N
5a. Slide the t 5b. Wrap	ng Can and securing ca e the rear can over the fro wo halves are latched too o braid around the metal d continuity.	ont can. Ensure that gether securely.	5b			
	are the cable and braid wite and tighten over the me	ith the plastic cable clamp etal cable collar. Fig			. )	
TERMIN	ATED WITH U/FTP CAE	BLE				)
	earation and termination plastic cable clamp and					
		Fig.6a			₹ IJ	
6b. Rem	ove 100mm of cable she	ath.				
		Fig.6b				
the for w for w side this s silve 6d. Wrap	ove 3 of the from the cab oil from the foil from 1 pa rrapping around the cable of foil is the non-conduct side faces the cable shea r color is the conductive so the foil around the shea of the foil facing outward	ir in preparation e sheath. The dark ive side. Ensure that ith when wrapped. The side and must face outwar ith with the conductive . Trim off excess foil.				
		Fig.60	2,00			A Charles
lengt	o drain wire around foil an th of drain wire available can clamp.	•	ëe			11
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AS	5-18700-002	K. OJDANA		RCG	JDUR	

6f. Wiring Map.       Fig.6f       Tools of the constant of t	m	olex	APPLICAT	ION	SPEC	IFI	CATIC	ON
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         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.6g         7. Fitting Can and securing Cable (U/FTP)         7. Silde the rear can over the front can. Ensure that the two halves are latched together securely.         Network the drain wire over the metal cable collar to Maintain shield continuity.         Fig.7a,7b,7c         7. Source the cable with the plastic cable caller to the metal cable collar to Maintain shield continuity.         Fig.7a,7b,7c         7. Source the cable with the plastic cable caller, placed and tightened over the metal cable collar.         Fig.7a,7b,7c         7. Source the cable with the plastic cable clamp, placed and tightened over the metal cable collar.         Fig.7d         MPN NO. SAP NO. 315-234 187000294         REVISION:         CORECON INFORMATION:         TITLE:         D EXECTION SHEET ShiELDED DATA GATE JACK         D COLUMENT NUMMERE:         CREATED //REVE	6f. Wiring Ma	ap.	Fig.6f	T	Dalia		вш Ж 5 Т568А	
<ul> <li>6). Ensure cables are terminated off flush with IDC, if not use side cutters to remove excess cable after termination.</li> <li>Fig.6j</li> <li>7. Fitting Can and securing Cable (U/FTP)</li> <li>7a. Slide the rear can over the front can. Ensure that the two halves are latched together securely.</li> <li>7b. Ensure that sufficient foil and drain wire makes contact with rear metal collar. Trim off excess foil.</li> <li>7c. Tighten the drain wire over the metal cable collar to Maintain shield continuity.</li> <li>Fig.7a,7b,7c</li> <li>7d. Secure the cable with the plastic cable clamp, placed and tightened over the metal cable collar.</li> <li>Fig.7d</li> <li>MPN NO. SAP NO. 315-234 187000294</li> <li>REVISION:</li> <li>ECR/ECN INFORMATION:</li> <li>TITLE:</li> <li>C.No: MTS2012-0065</li> <li>DATE: 2012 / 05 / 03</li> <li>MISTRUCTIONSHEET DATA GATE JACK</li> <li>AS-18700-002</li> <li>K. OJDANA</li> <li>CHECKED BY:</li> <li>APPROVED BY:</li> <li>AS-18700-002</li> <li>K. OJDANA</li> </ul>	6h. Ensure tl	hat the cable sheath	is maintained up to the co			VHT жG	BRN W	j GRN ₩HT
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Fig.7d         Fig.7d         MPN NO. SAP NO. 315-234 187000294         REVISION:       ECR/ECN INFORMATION:         D       ECR/ECN INFORMATION:         BC NO: MTS2012-0065       TITLE:         DATE: 2012 / 05 / 03       SHIELDED DATA GATE JACK         DOCUMENT NUMBER:       CREATED / REVISED BY:         AS-18700-002       K. OJDANA	7a. Slide the two halv 7b. Ensure th with rear 7c. Tighten t Maintain 7d. Secure th	rear can over the from res are latched togeth hat sufficient foil and metal collar. Trim of he drain wire over the shield continuity.	ont can. Ensure that the ner securely. drain wire makes contact f excess foil. e metal cable collar to Fig.7a,7b stic cable clamp, placed	,7c				
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