Prysmian Group INSTALLATION INSTRUCTION

OAsys® Equipment meets BT OTIAN® Equipment Specifications

OAsys® INTERNAL PLANT

MOLO CABINET SPLICING SHELF 3A

Part Number: XEXSC00036 BT Item Code: 004244

Description

Tools & Additional Items Required

- Provides a facility for termination of up to 2, Blown Fibre Units (4 Fibres per unit) and 4 Duplex Pigtails (Item Code 055774).
- Supplied with 1 pre-fitted FC/PC Connectorized Duplex Pigtail.
- Suitable for 19" rack mounting practices.
- SPACE ENVELOPE: 535mm x 230mm x 44mm (W x D x H).

Additional Items Required: Splice protectors 4A		Prysmian Part No. XPESC00053	BT Item Code 075110	
Fixings:	No fixings r	required		
Tools:	Pozi Drive Screwdriver No 2			

Component Parts (pictures not to scale)

1 Splice Shelf Assembly	Qty 1	2 Splice Shelf Cover	Qty 1	3 Fixing Kit Contents as listed b	pelow:
		er 🛦	l	4 Screw M6x12mm Pozi Pan Hd. 5 M6 Cage Nuts 6 M6 Nylon 6 Washers.	Qty 8 Qty 4 Qty 8

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Shelf and Blown Fibre Unit Installation

Sta	PREPARATION STEP
•	Blown Fibre Tubes are prepared as required to the shelf.
•	Fibre installation and Splicing may be carried out prior to Shelf installation within the rack.

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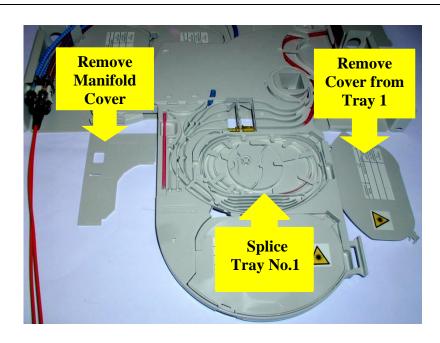
Step 2



- Select rack mounting position and fit 4 cage nuts (5) into the rack supports.
- Fix shelf in position using M6 Screws (4) and Washers (6).



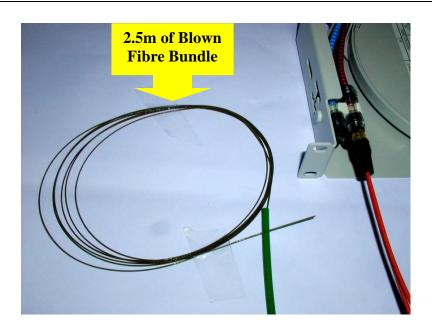
Step 3



- Fully open the BOTTOM Splice Module.
- Remove manifold cover and cover of Splice Tray No. 1.



Step 4

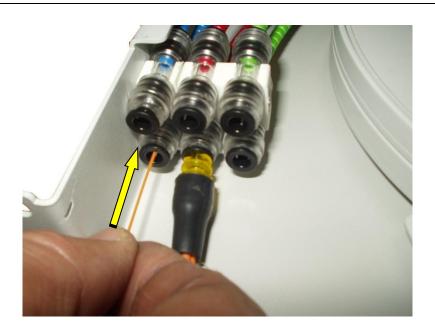


• Blow, Blown Fibre Bundle until at least 2.5metres are available, from the tube end, for termination and storage purposes.

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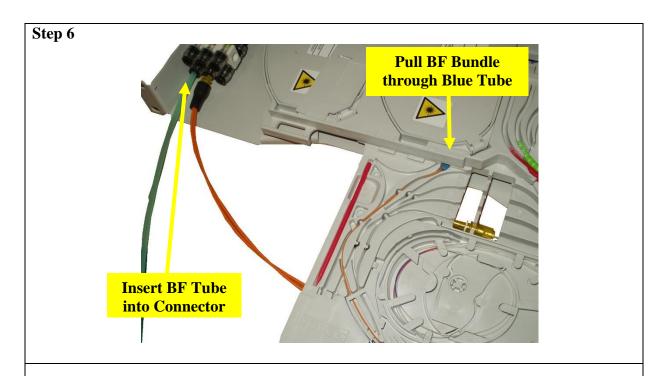




• Insert BF Bundle into the Lower LEFT tube Connector and push the fibre bundle into the Blue Tube leading onto the BOTTOM Splice Module.

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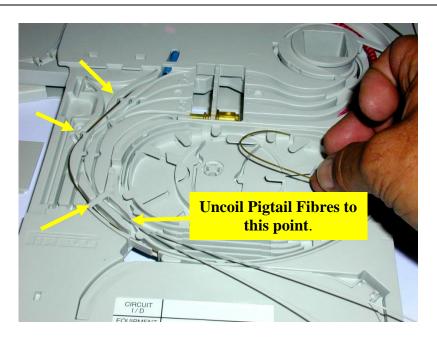


- Continue feeding BF Bundle through Blue Tube until it exits onto the Splice Module.
- Pull excess length through until the BF Tube can be inserted into the Tube Connector.
- Ensure Tube is firmly gripped in the Tube Connector.

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Step 7

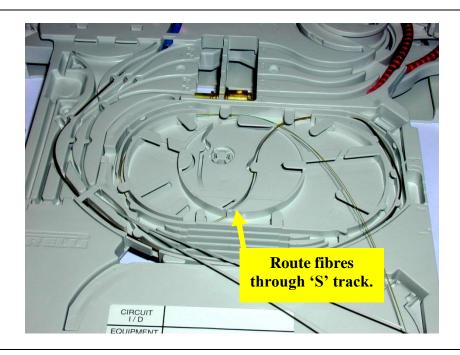


- Uncoil the pre-installed pigtail fibres from Splice Tray No.1, back to the Splice Tray input.
- Remove coating from BF bundle.
- Split the BF bundle into 2 groups of 2 fibres.
- Feed the first group of Fibres under the track Tabs and bridge onto Splice Tray No.1.

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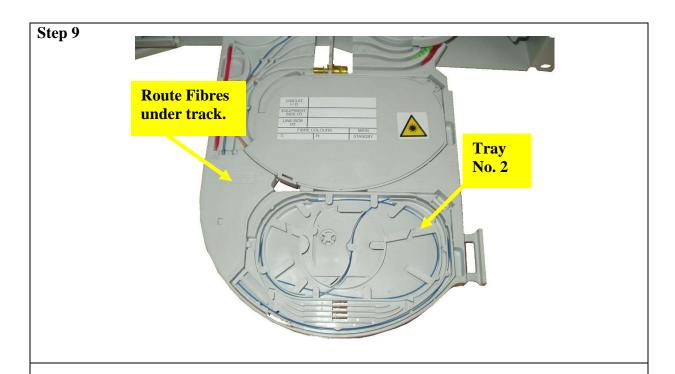




• Route the first group of fibres anticlockwise ½ a turn around the tray, through the 'S' track and coil within the tray storage area in preparation for splicing.

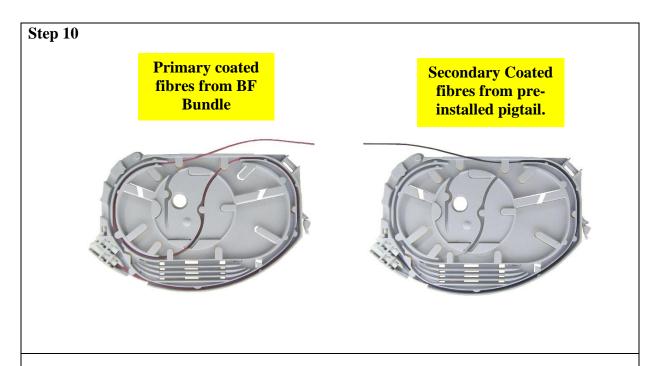
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- Remove cover from Splice Tray No.2.
- Route second group of fibres through the outer hidden track and on to Splice Tray No.2.
- Store fibres as described in Step 8.

Splicing



- Carefully uncoil all fibres from the storage area.
- Separate the primary coated fibres from the secondary coated fibres and safely store fibres for splicing.
- Splice fibres.

Splicing





- Place splice protector in storage bay.
- Ensure splice protector has been pushed down to the lowest available position in the storage bay. Repeat for remaining fibre.

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Splicing



- Put loops of fibre away as shown. Ensure fibre is stored below tabs.
- Expand the fibre coils using light finger pressure and close splice tray cover.

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Installation of Additional Pigtails and Blown Fibre Unit

Step 13			
INSTALLATION OF ADD	OITIONAL DUPLEX CONNECTORS.	PIGTAIL WITH FC/PC	
The following items will be r	equired from BT Sto	res:	
1. 8001C/05M FC/PC Pigtail	Item Code 055774	Qty 2	
2. Kevlar Restraint Kit 2A	Item Code 075869	Qty 1	
• Prepare pigtails as per instructions received with restraint kit for joining 2, COF 8001 cables into one restraint.			
N.B. If all input ports for Pigtails are to be used, then a total of 6 Pigtails (Item Code 055774) will be required to complete the installation into both Splice Modules.			

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Installation of Additional Pigtails and Blown Fibre Unit

Sto	INSTALLATION OF ADDITIONAL DUPLEX PIGTAIL WITH FC/PC CONNECTORS, CONTINUED.
•	Feed prepared ends of pigtails into the connector to the right of the pre- installed Pigtail. Feed fibres through Green Tube leading to the BOTTOM Splice module.
•	Feed fibres onto 2nd splice tray.
•	For additional Pigtails installed on the TOP Module use the top pair of connectors. The RED tube is for Tray No.1 and the Green Tube for Tray No.2.

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Installation of Additional Pigtails and Blown Fibre Unit

BLOWN FIBRE BUNDLE INSTALLATION OF ADDITIONAL BLOWN FIBRE BUNDLE
Use the TOP LEFT Connector and repeat Steps 3 to 12 for the TOP Splice Module. Copyright Prysmian Group - 2023 You may not copy, reprint, or reproduce in any form the content, either approximant state of the TOP Splice Module.

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