

INSTALLATION INSTRUCTION

OAsys® INTERNAL PLANT
MOLO CABINET SPLICING SHELF 3A
Part Number: XEXSC00036 BT Item Code: 004244

Description

- 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).

Tools & Additional Items Required

Additional Items Required:	Prysmian Part No.	BT Item Code
Splice protectors 4A	XPESC00053	075110

Fixings:	No fixings 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 below:

- 4** Screw M6x12mm Pozi Pan Hd. **Qty 8**
- 5** M6 Cage Nuts **Qty 4**
- 6** M6 Nylon 6 Washers. **Qty 8**

Shelf and Blown Fibre Unit Installation

Step 1

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.

Shelf and Blown Fibre Unit Installation

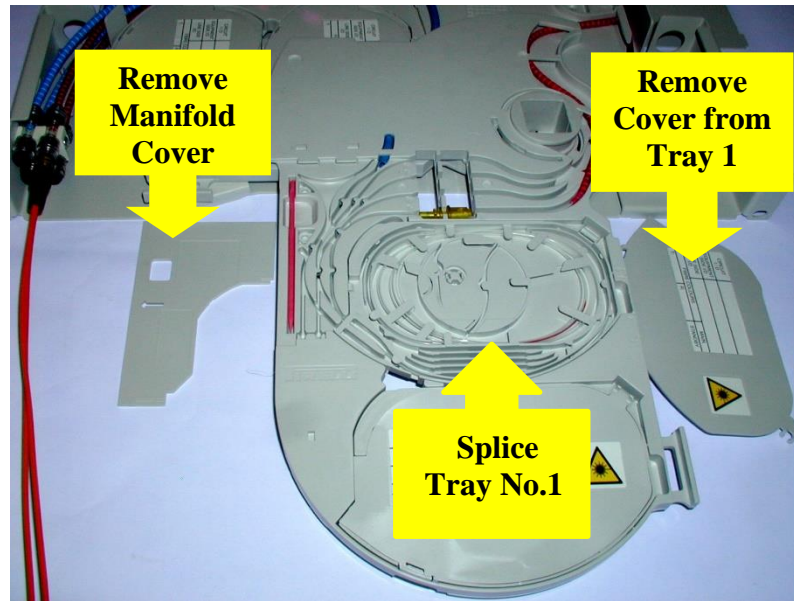
Step 2



- 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).

Shelf and Blown Fibre Unit Installation

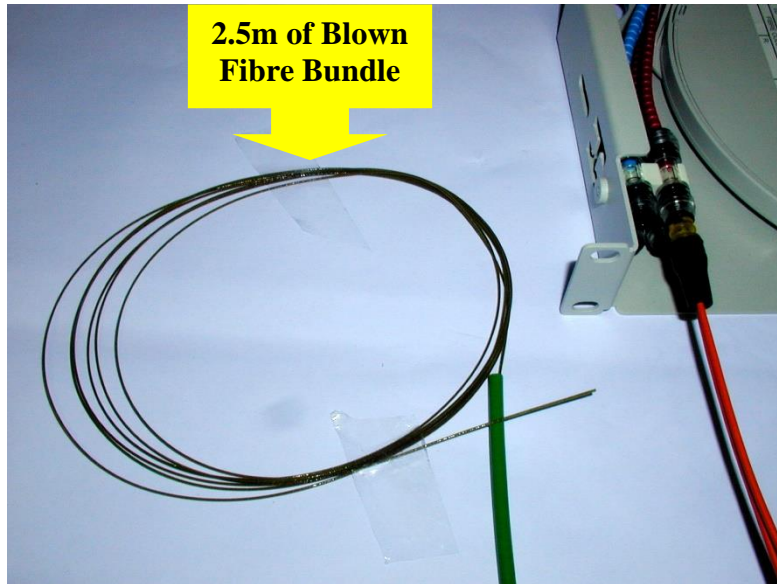
Step 3



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

Shelf and Blown Fibre Unit Installation

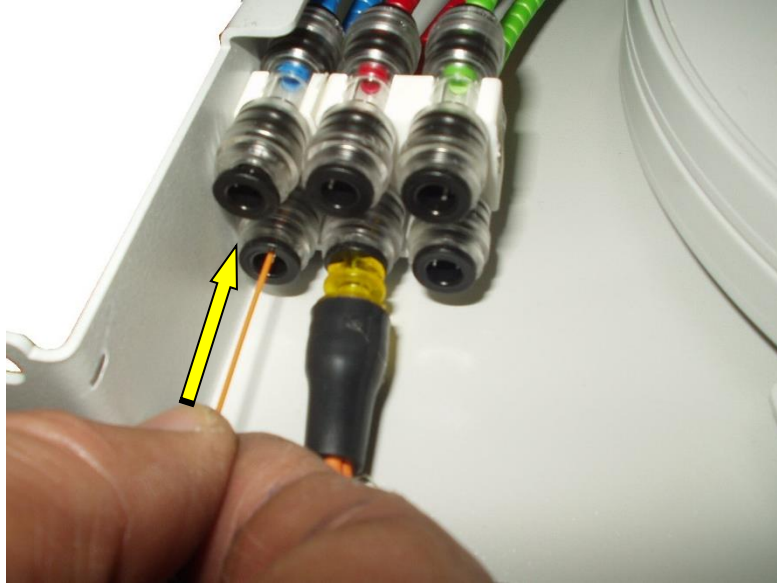
Step 4



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

Shelf and Blown Fibre Unit Installation

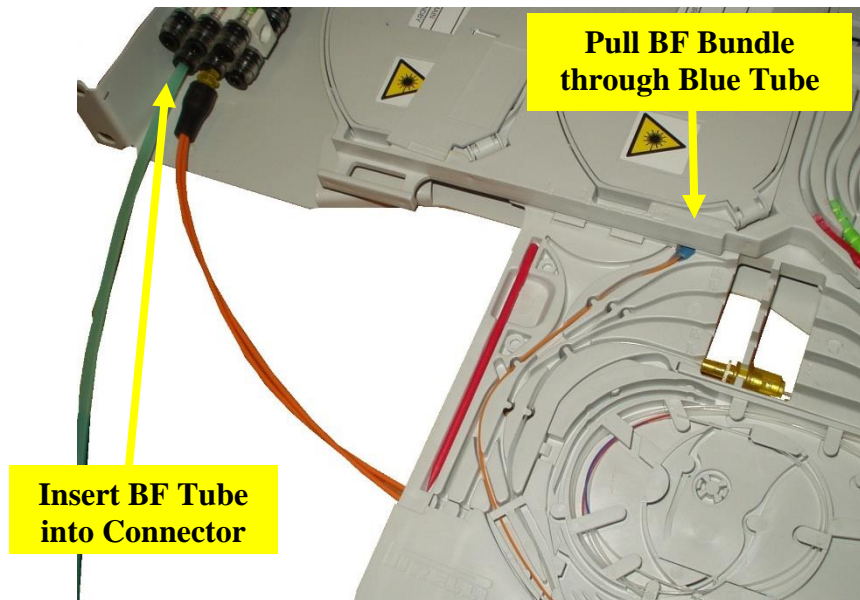
Step 5



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

Shelf and Blown Fibre Unit Installation

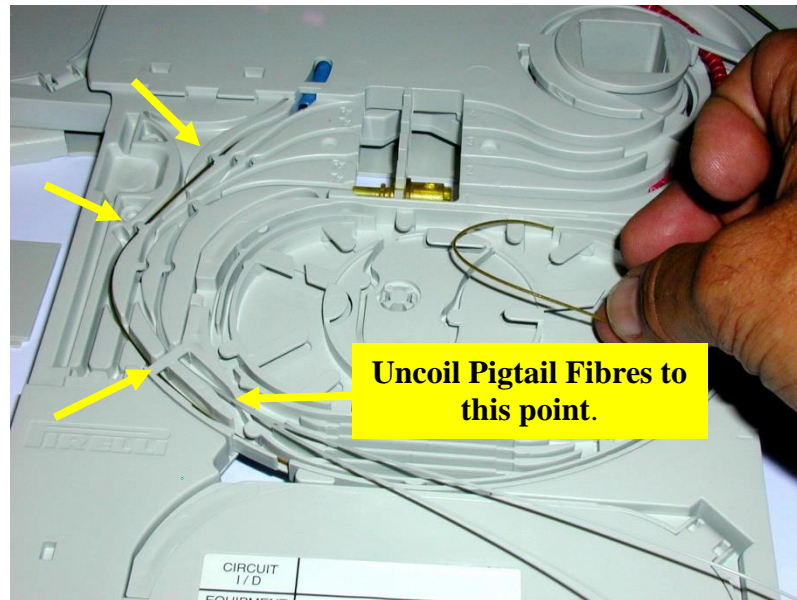
Step 6



- 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.

Shelf and Blown Fibre Unit Installation

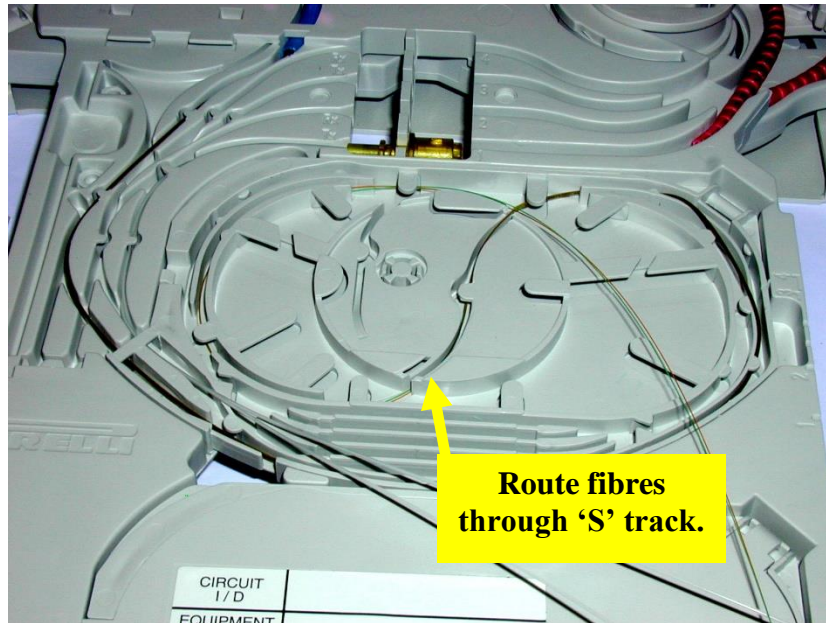
Step 7



- 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.

Shelf and Blown Fibre Unit Installation

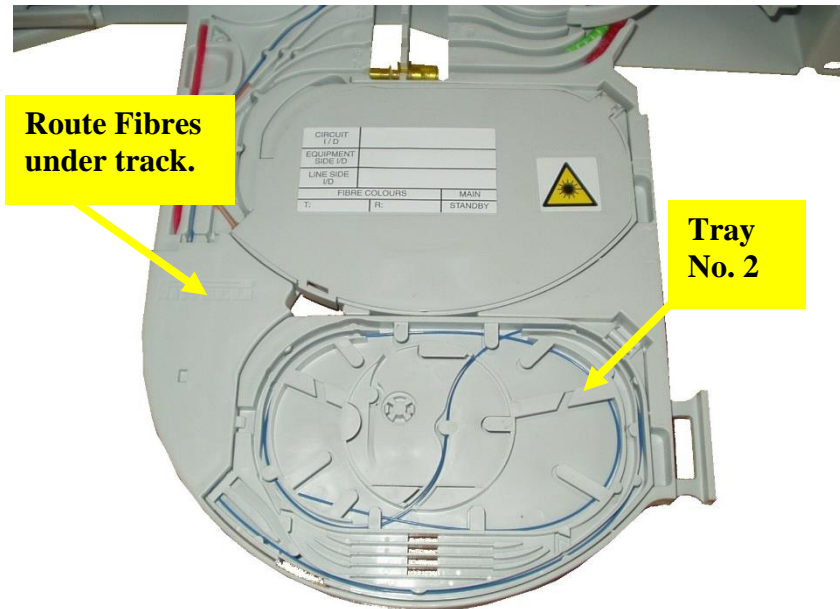
Step 8



- Route the first group of fibres anticlockwise $\frac{1}{2}$ a turn around the tray, through the 'S' track and coil within the tray storage area in preparation for splicing.

Shelf and Blown Fibre Unit Installation

Step 9

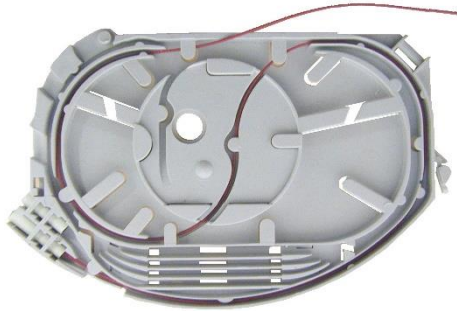


- Remove cover from Splice Tray No.2.
- Route second group of fibres through the outer hidden track and on to Splice Tray No.2.
- Store fibres as described in Step 8.

Splicing

Step 10

**Primary coated
fibres from BF
Bundle**



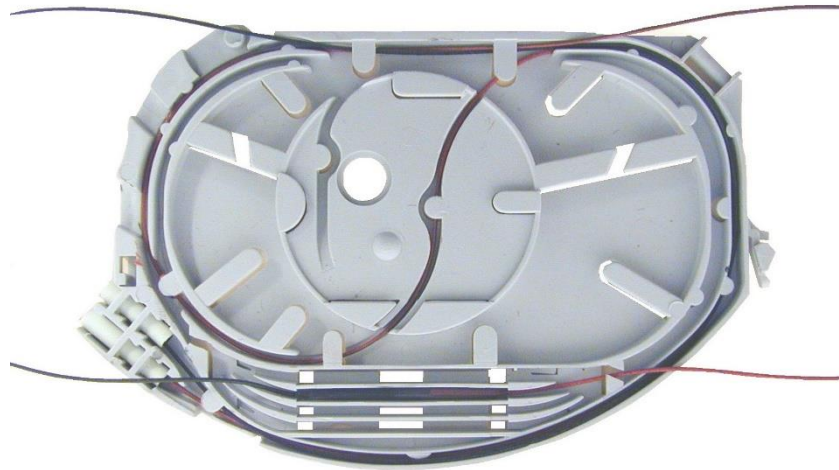
**Secondary Coated
fibres from pre-
installed pigtail.**



- 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

Step 11



- 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.

Splicing

Step 12

**Fold loops
into splice
tray**



- 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.

Installation of Additional Pigtails and Blown Fibre Unit

Step 13

INSTALLATION OF ADDITIONAL DUPLEX PIGTAIL WITH FC/PC CONNECTORS.

The following items will be required from BT Stores:

- | | | |
|-----------------------------------|------------------|--------------|
| 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.

Installation of Additional Pigtails and Blown Fibre Unit

Step 14

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.

Installation of Additional Pigtails and Blown Fibre Unit

Step 15

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.