Prysmian Group

INSTALLATION INSTRUCTION

OAsys® Equipment meets BT OTIAN® Equipment Specifications

OAsys® INTERNAL PLANT

GENERIC JOINT BLOWN FIBRE DISTRIBUTION KIT 2A

Part Number: XPFSC00200 BT Item Code: 076082

Description

- Provides the facility to breakout and distribute the fibres of a 2 or 4 fibre Blown Fibre Bundle on a single fibre per tray basis.
- Each Bundle fibre can be routed to any Splice Tray within the External Joint.
- Each kit contains sufficient components to prepare, install and route the Bundle fibres onto the splice trays.

Tools & Additional Items Required

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

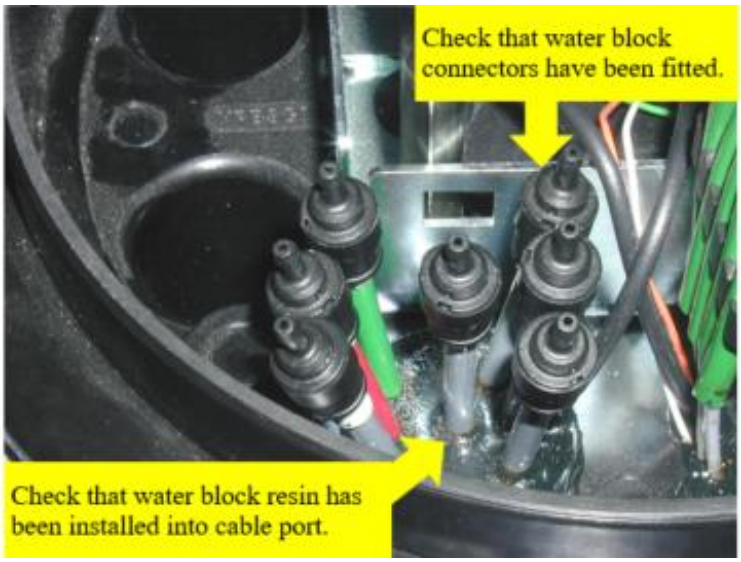
Fixings:	No fixings required
Tools:	No specialist tools required

Component Parts (pictures not to scale)

1 Blown Fibre Manifold 1x4 Qty 1	2 Port Breakout 2 Way Qty 2	3 Transport Tube Qty 3mtrs
		

Blown Fibre Bundle Installation

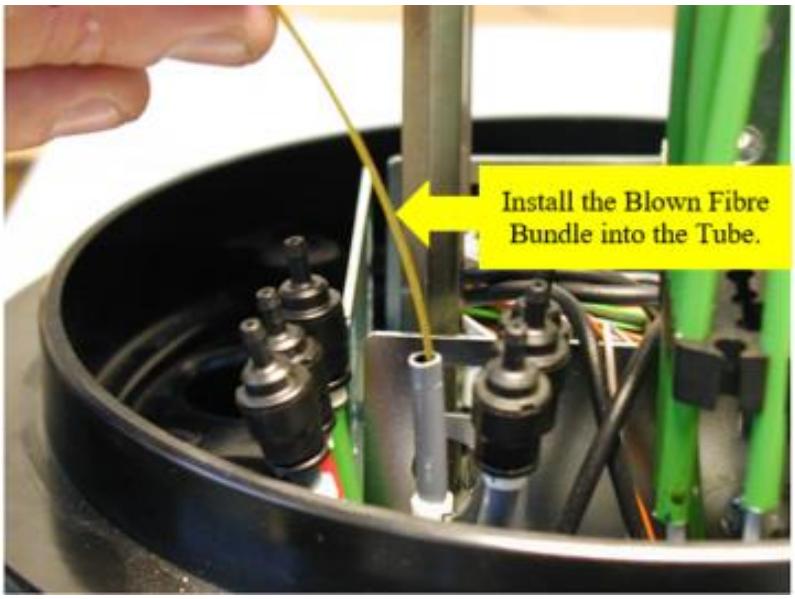
Step 1



- Ensure that the cable has been installed correctly and that Water Block Connectors have been fitted to all the Blown Fibre Tubes.

Blown Fibre Bundle Installation

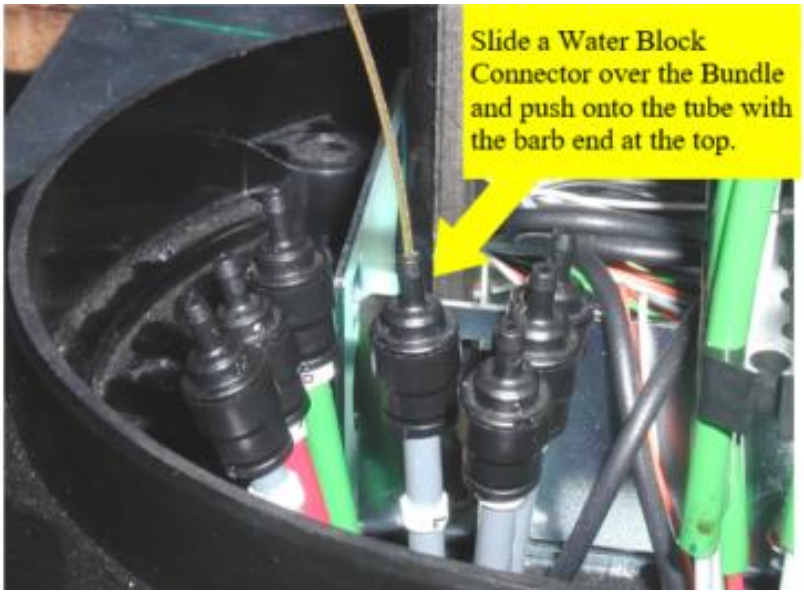
Step 2



- Identify the required Blown Fibre Tube and remove and discard the Water Block Connector.
- Install the Blown Fibre Bundle using approved practices.

Blown Fibre Bundle Installation

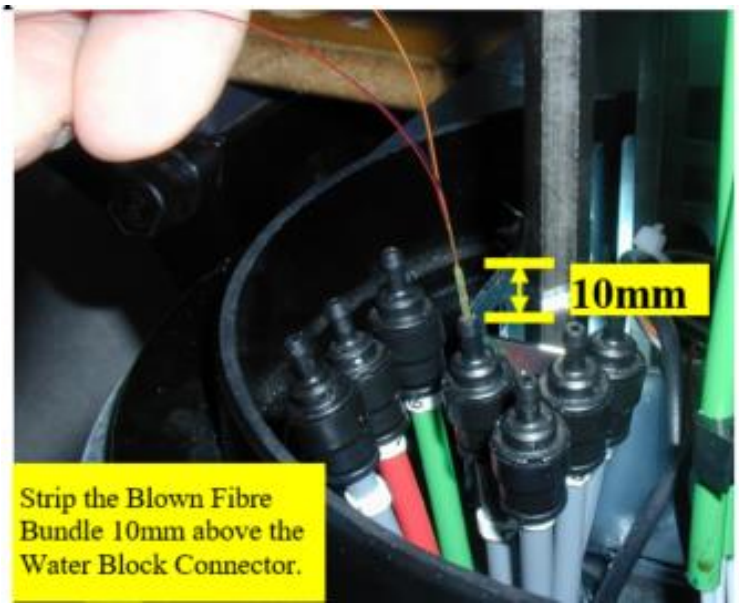
Step 3



- Slide **a new** Water Block Connector over the Bundle with the barb end uppermost and plug it onto the Blown Fibre Tube.

Blown Fibre Bundle Routing

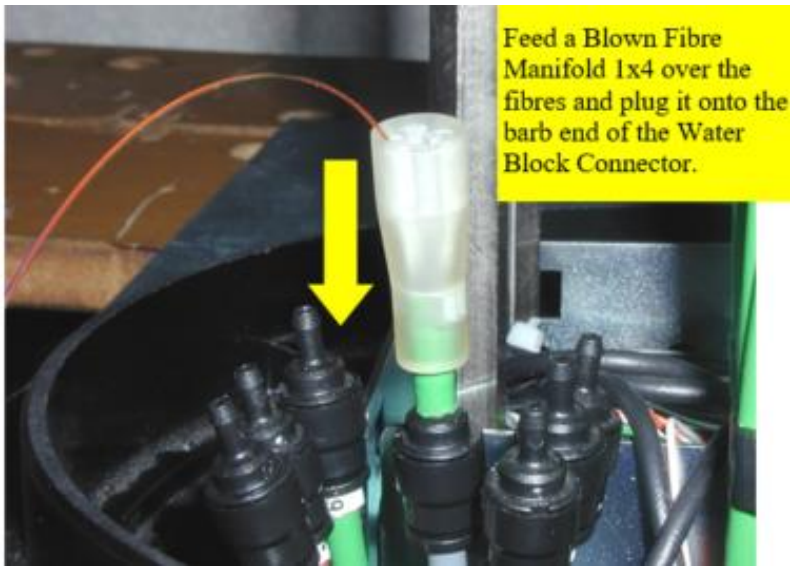
Step 4



- Strip the Blown Fibre Bundle to expose the fibres 10mm above the top of the Water Block Connector.

Blown Fibre Bundle Routing

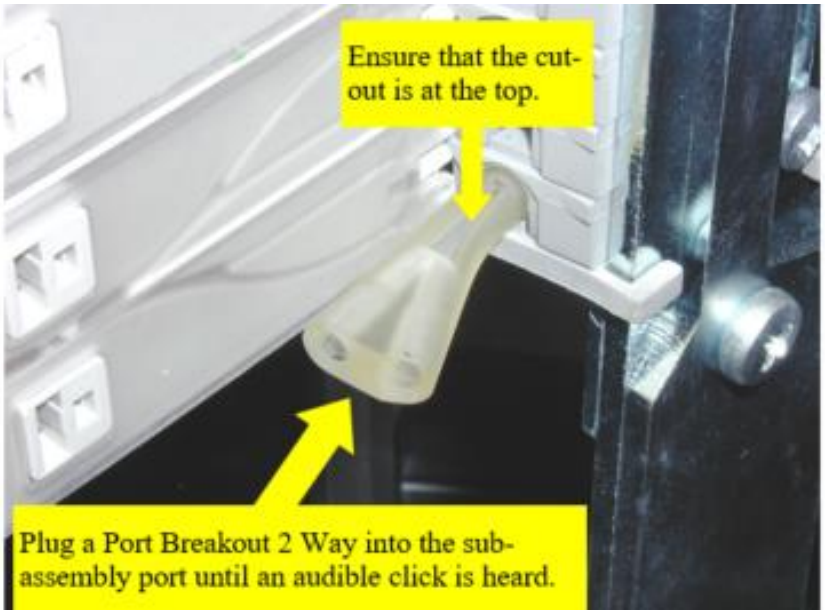
Step 5



- Feed a Blown Fibre Manifold 1x4 **(1)** over the fibres and plug the tube onto the barb of the Water Block Connector.
- Separate the fibres into the appropriate port of the manifold ensuring that they are not crossed at the butt.

Blown Fibre Bundle Routing

Step 6



- Identify the required Splice Tray for the first fibre and plug a Port Breakout 2 Way **(2)** into the outer sub-assembly port with the cut-out at the top.
- Push the Port Breakout fully into the port until an audible click is heard.

Blown Fibre Bundle Routing

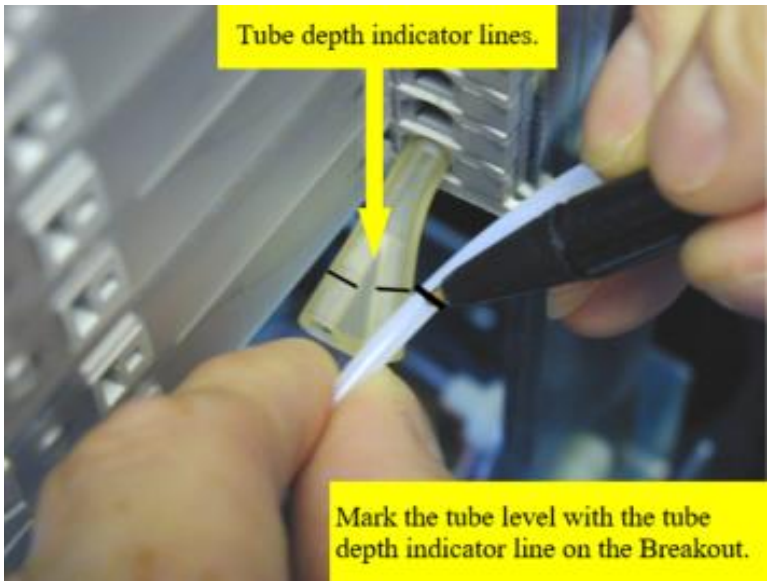
Step 7

INSTALLATION ADVICE

In cases where two fibres are to be routed to the same splice tray, and one fibre is to be spliced and the other fibre is a spare, route the fibres to the splice tray in separate tubes. Route the tube carrying the live fibre to the inner entry port of the Port Breakout 2 Way **(2)**, and the tube carrying the spare fibre to the outer entry port of the Port Breakout 2 Way. This ensures that the spare fibre can be removed from the tray in the future. It can then be re-routed to another splice tray within the joint if required.

Blown Fibre Bundle Routing

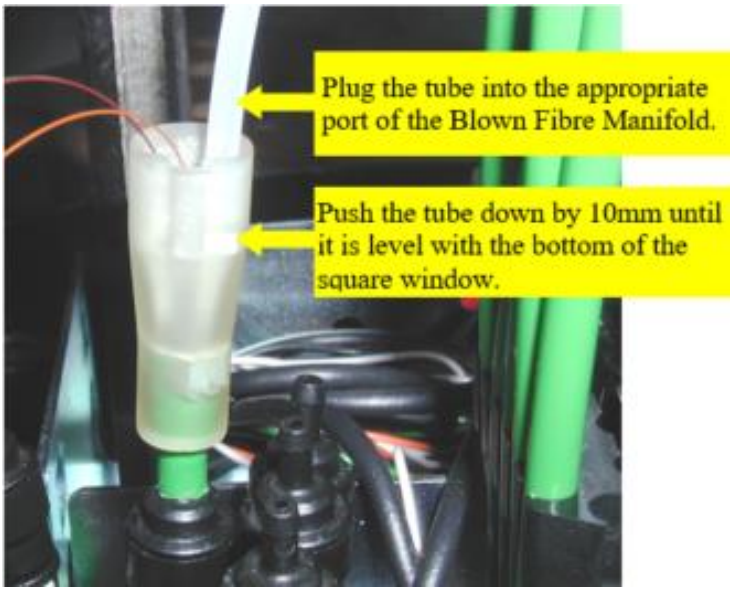
Step 8



- Route a length of Transport Tube **(3)** from the appropriate port of the Blown Fibre Manifold 1x4 **(1)** up to the inner port of the Port Breakout 2 Way **(2)**. Ensure that the minimum bend radius of 30mm is not compromised. Refer to step 13 for details of routing transport tubes within the joint.
- Mark the tube and cut to length.

Blown Fibre Bundle Routing

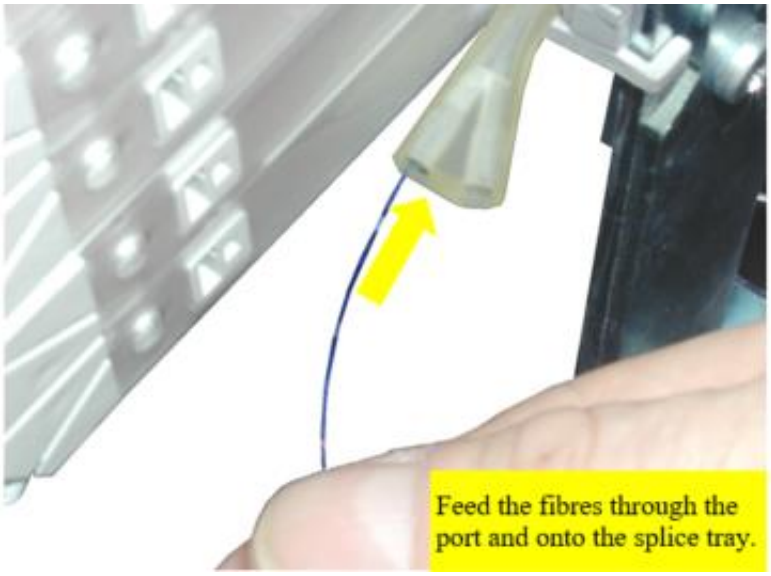
Step 9



- Oversleeve the bundle fibre with the Transport Tube **(3)** and plug the tube into the appropriate port of the Blown Fibre Manifold 1x4 **(1)**.
- Push the tube down by 10mm until the stop position is reached. The stop position is located at the bottom of the square cut-out.

Blown Fibre Bundle Routing

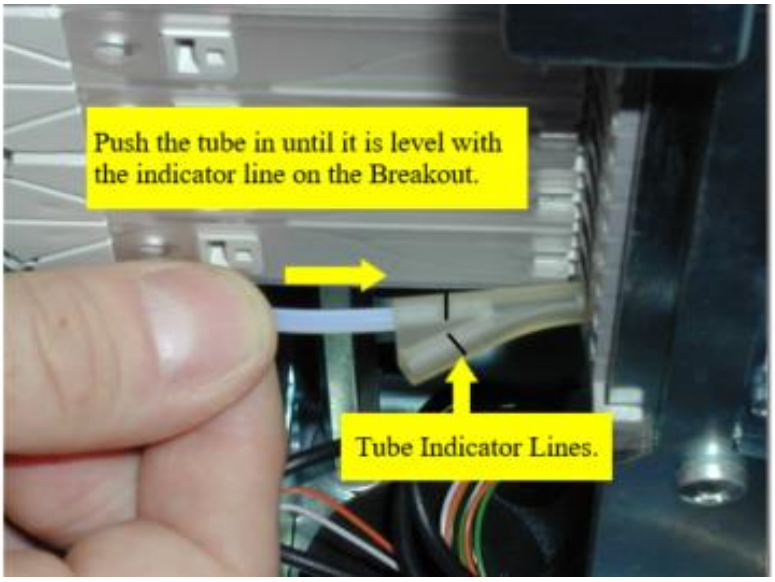
Step 10



- Feed the fibres through the inner port of the Port Breakout 2 Way **(2)** and onto the Splice Tray.

Blown Fibre Bundle Routing

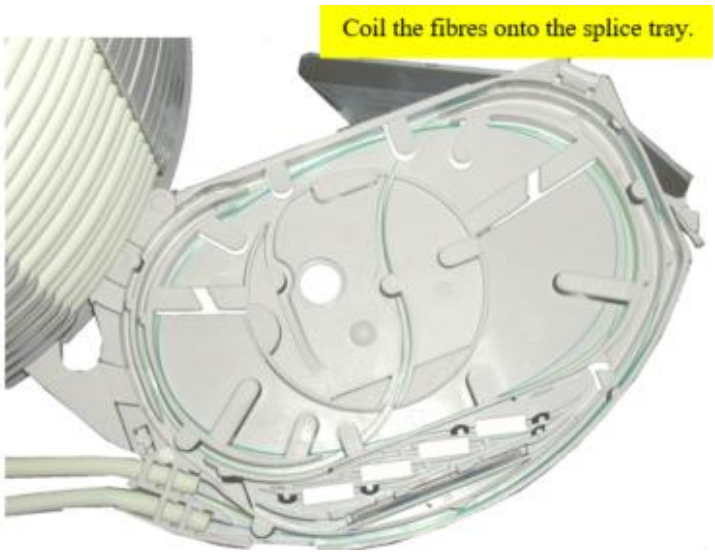
Step 11



- Plug the tube into the entry port of the Port Breakout 2 Way **(2)** and push until the tube is correctly located down to the indication line.

Blown Fibre Bundle Routing

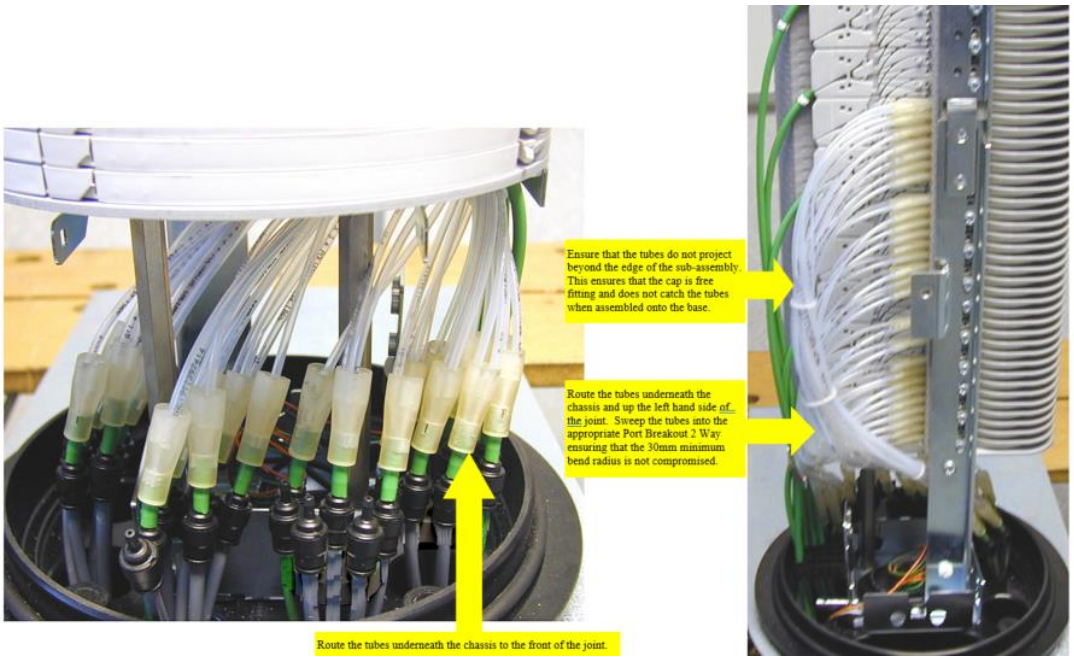
Step 12



- Coil the fibres onto the Splice Tray in accordance with Flysheet FS020 (supplied with the sub-assembly).
- Repeat steps 6 to 12 for the remaining fibres of the Blown Fibre Bundle.

Blown Fibre Bundle Routing

Step 13



- Route the Transport Tubes (3) under the joint chassis to the front of the joint. At the front of the joint, route the tubes up the left-hand side and sweep them into the appropriate Port Breakout 2 Way ensuring that the 30mm minimum bend radius is not compromised. Ensure that the tubes do not project past the left-hand edge of the sub-assembly. This ensures that the cap is free fitting and does not catch the tubes when assembled to the base.

Port Breakout 2 Way

WARNING

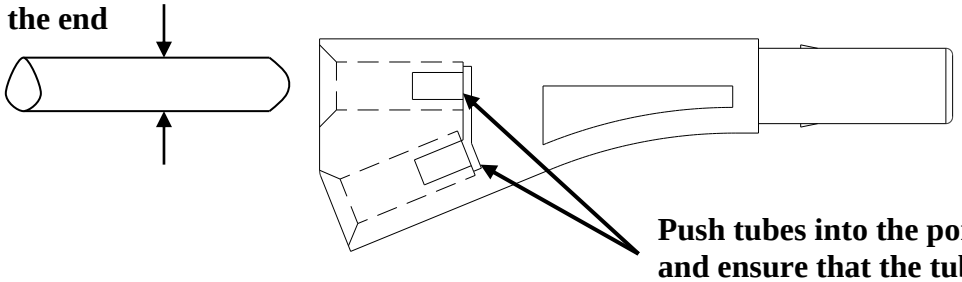
Port Breakout 2 Way – In some instances due to its material's slippery nature, the transport tube may be difficult to plug into the entry ports.

In this situation, grip the tube with a soft tissue or cloth (using the thumb and forefinger) when pushing into the entry ports. Do not bend or kink the tubing when performing this operation.

Mechanical aids or plier type tools must not be used.

The transport tube must be fully located into the Port Breakout as shown below to ensure that the tube retention is maintained.

Grip the tube firmly with either a piece of tissue or cloth approx. 15mm from the end



Push tubes into the ports and ensure that the tubes are located to the bottom of the rectangular cut-

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