# Prysmian

## INSTALLATION INSTRUCTION

OAsys<sup>®</sup> Equipment meets BT OTIAN<sup>®</sup> Equipment Specifications

#### Page 1 of 4

## OAsys<sup>®</sup> INTERNAL PLANT **NJ4A B/FIBRE DIST KIT** Part Number: XKTSC00019 BT Item Code: 009474

Description

#### **Tools & Additional Items Required**

- 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 Joint.
- Each kit contains sufficient components to prepare, install and route the Bundle fibres onto the splice trays.

Additional Items	s Required:	Prysmian Part No.	BT Item Code		
Water Blocking Kit 5mm 2A Splice protectors 5A		XAPSC00531 XPESC00053	075692 076071		
Fixings:	No fiz	No fixings required			
Tools:	Tube	Tube Cutter 2A			

#### **Component Parts (pictures not to scale)**

1 NJ4A Dist Manifold 1x4 Qty 1	2 Transport Tube Qty 1.2mtrs	3 NJ4A 1x2 Manifold Qty 1	4 Installation Guide Qty 1
Frank			

#### **Blown Fibre Bundle Installation**



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## **Blown Fibre Bundle Routing and Splicing**



## **ROUTING OF BLOWN FIBRE BUNDLES-**

- In cases where 1 primary fibre is routed onto each splice tray (single fibre working), separate the fibres of the Blown Bundle at the cable butt using an NJ4A 1 x 4 Manifold. Route the live fibre and the spare fibres of the bundle through separate tubes to an NJ4A 1 x 2 Manifold as shown. This enables the spare fibres to be removed and re-routed later if required without disturbing the live circuit.
- In cases where 2 primary fibres are routed to each splice tray (single circuit working), separate the fibres of the Blown Bundle at the cable butt using an NJ4A 1 x 4 Manifold. Route the live fibre/s and the spare fibres of the bundle through one piece of transport tube to an NJ4A 1 x 2 Manifold as shown. This provides a spare port at the NJ4A 1x 2 Manifold. This enables fibres from other Blown Bundles to be routed onto the tray in the future in cases where single fibre working upgrades may be required.



## Blown Fibre Bundle Routing and Splicing



Page 10 of 18











## Blown Fibre Bundle Routing and Splicing



Page 16 of 18



#### Joint Re-Entry / Re-Closedown

#### Step 17

When entering the Node Joint 4A it is very important to <u>pull the</u> <u>pressure relief valve</u> located on the base of the joint to ensure the enclosure is fully vented and is not pressurised before removing the Cap.

When closing the joint assembly, it is important to check the following points have been completed:

- 1. Check the general condition of the enclosure for any sign of damage,
- 2. Ensure that the 'O' seal and the mating surfaces of the enclosure are clean and free from debris,
- 3. Replace the Desiccant pack and dispose of the old one in the appropriate manner.
- 4. Once completed, ensure the clamp is correctly located onto the assembly as per step 38.

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Page 18 of 18

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