

**Prysmian**  
Group  
**INSTALLATION INSTRUCTION**

**OAsys® INTERNAL PLANT**  
**Riser Box TDU - Installation**  
Part Number: XCPSC00178

**Description**

Allows the interception of 1 Blown Fibre cable (MAX 24 Tube)  
Wall mounted  
Cable distribution from the left- or right-hand side of the box (up to 7 tube cable)  
Lockable design


SPACE ENVELOPE: (W 250mm x D 82mm x H 325mm)

**Tools & Additional Items Required**

<b>Additional Items:</b> 5 to 5 blown tube connectors	<b>Prysmian Part No.</b> XBFSC00075
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<b>Tools:</b> Flush Cutting Tool 1A Poizdrive Screwdriver No.2	<b>Prysmian Part No.</b> XPFSC00150 N/A
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**Component Parts (pictures not to scale)**

<b>1 Riser Box Assembly</b>	<b>Qty 1</b>	<b>2 Cable tie 236 x 3.6mm</b>	<b>Qty 8</b>
		<b>3 Wall Fixing Screws</b>	<b>Qty 4</b>
		<b>4 Wall Fixing Wall Plugs</b>	<b>Qty 4</b>
		<b>5 Installation Instructions</b>	<b>Qty 1</b>

## Cable Installation

### Step 1 – Wall Mounting

Drill in four  
positions shown



- Identify a suitable position to mount the Riser box **(1)**, check the position to ensure no concealed services are present prior to drilling the mounting holes.
- Using a 6mm drill bit carefully drill four holes on positions marked approximately 40mm deep.

## Cable Installation

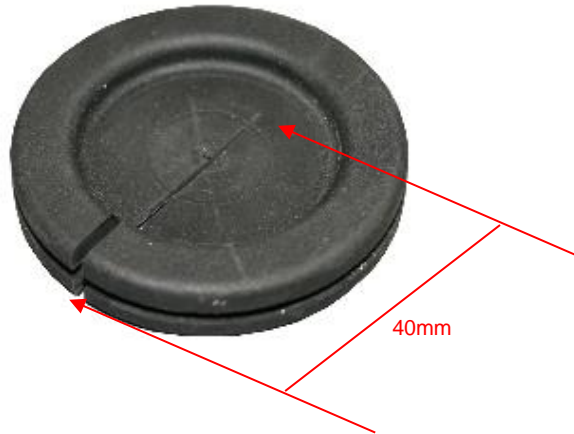
### Step 2



- Using a screwdriver, unscrew the four screws (two at either end) to release the two-cable entry ends as shown above in preparation for installing the cable.

## Cable Installation

### Step 3



- Using a sharp a sharp knife or a pair of scissors cut a slot in the cable entry bung approximately 40mm long as shown above for inserting the cable.

## Cable Installation

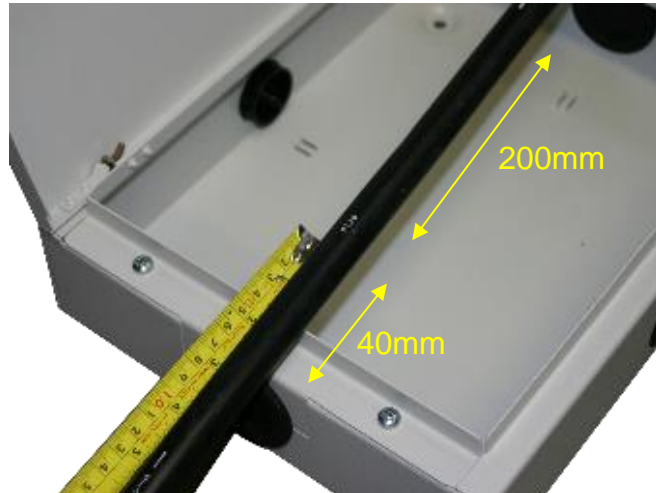
### Step 3



- Using a sharp a sharp knife or a pair of scissors cut a slot in the cable entry bung approximately 40mm long as shown above for inserting the cable.

## **Cable Installation**

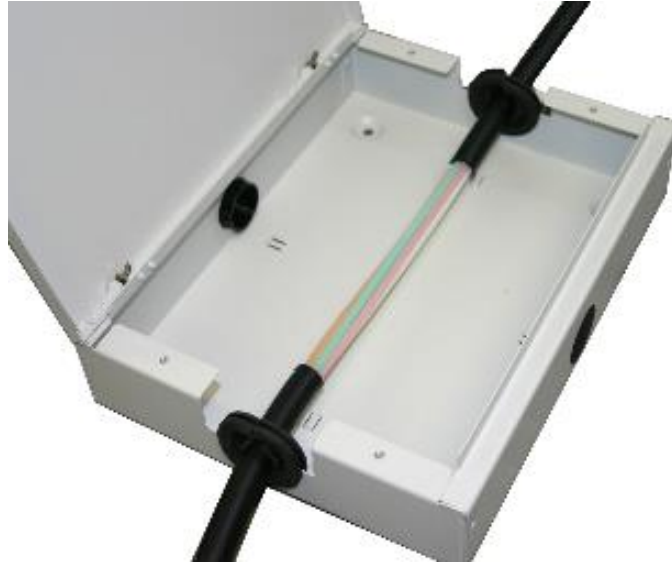
### **Step 4**



- Align the cable to be intersected on top of the riser box as shown above, measure the cable approximately 40mm from the inside wall of the box and apply a butt mark in preparation for stripping.
- Apply a second butt mark approximately 200mm from the first mark.

## Cable Installation

### Step 5



- Carefully strip the sheath to expose the internal tubes as shown above.
- Insert the cable into the bung ensuring the slot made in step 3 is facing the top of the unit.
- Manipulate the bung to cover as much of the cable as possible to ensure a good seal on the outer sheath of the cable.

## Cable Installation

### Step 6

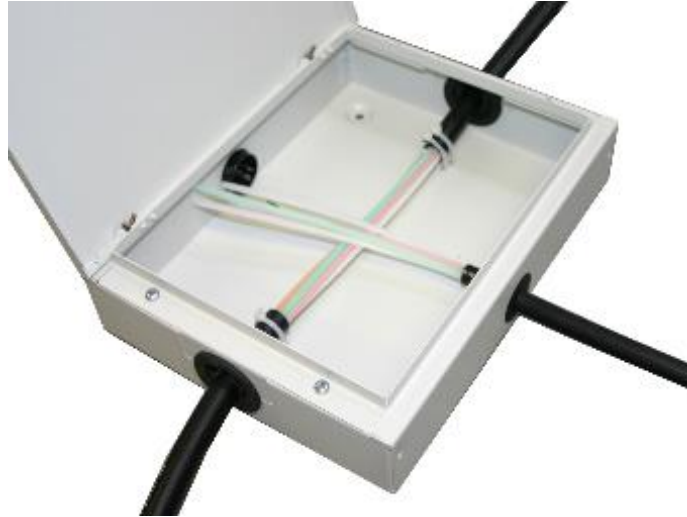


- Carefully strip the sheath to expose the internal tubes as shown above.
- Insert the cable into the bung ensuring the slot made in step 3 is facing the top of the unit.
- Manipulate the bung to cover as much of the cable as possible to ensure a good seal on the outer sheath of the cable.



## **Cable Installation**

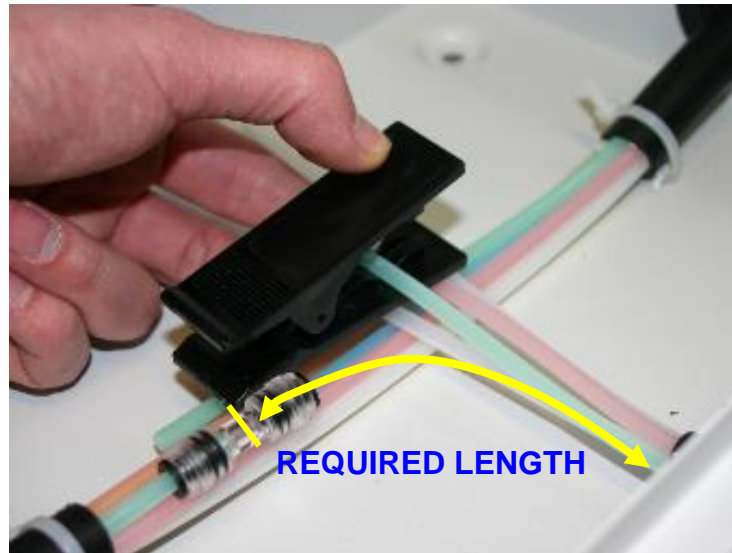
### **Step 7**



- Cut a small slot approximately 5mm in length in the side cable entry bung and push the cable into the unit as shown above. Strip approximately 200mm of the outer sheath off the intersecting cable to expose the tube(s) in preparation for termination.
- Using two cable ties strap the cable in position ensuring the straps are located on the outer sheath of the cable.
- Select the tube to be intersected from the through cable and cut approximately 20mm from the butt of the cable.

## Cable Installation

### Step 8



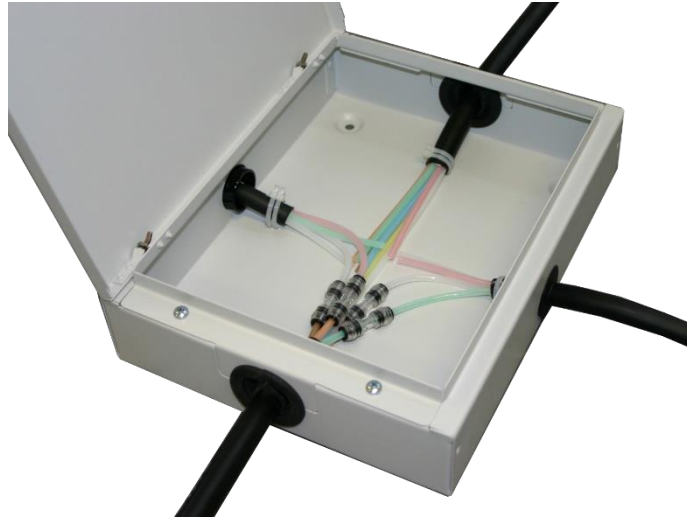
- Using a 5mm tube connector, push the connector on to the tube ensuring it is fully located on the end of the tube and the end of the tube is visible at the centre of the connector.
- Visually measure the mating tube so that adequate length has been left to plug into the connector and cut the tube.
- Plug the tube into the connector

**NOTE: ENSURE NO MINIMUM BEND RADIUS HAS BEEN COMPROMISED!**

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**Cable Installation**

**Step 9**



- Repeat step 6 to 8 for any subsequent cables to be installed.
- Close the cover and lock the unit

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