OAsys® Equipment meets BT
OTIAN® Equipment Specifications

OAsys® INTERNAL PLANT
INTERNAL CSP
Part Number: XCPSC00291-297

Description

- The OAsys Internal Customer Splice Box is designed for use in residential, small, and large businesses premises. The unit houses a single splice tray and allows fibres from internal or external cables to be spliced to pigtails for connection to the optical network unit.

Tools Required:
Pozidrive Screwdriver, Mallet, 14mm Socket Driver, Cable Stripping tools, Fibre stripping tools, Splicing machine, drill, 6mm drill bit.
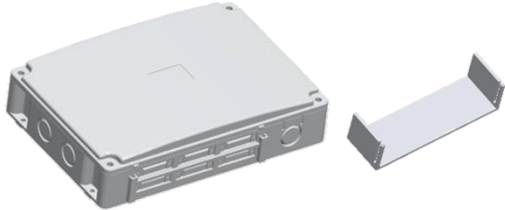
Tools & Additional Items Required

Additional Items Required:	Prysmian Part No.
None	

| Optional Items:	Prysmian Part No.
Resin Pack	XPESC00054
Security Screws	XAGSC00476
Gas Block Connector	XAGSC00404
Patch Cords	Contact Sales Desk

Component Parts (pictures not to scale)

1 Internal CSP + Fixings **Qty 1**	**2** Splice Protectors **Qty 4, 8 or 12**	**3** Cable Gland **Qty 1**
4 Cable Funnel **Qty 1**	**5** Compound 16 **Qty 1**	**6** Transport Tube **Qty 1**

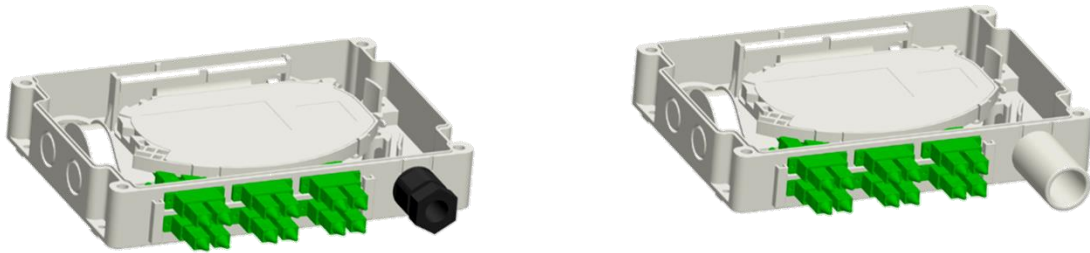**Page 1 of 16**

Box Preparation and Mounting

Step 1
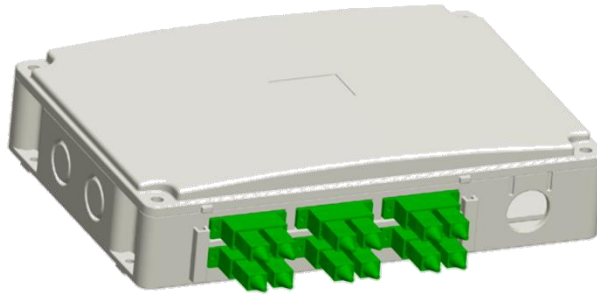
- Using a 14mm Socket Driver and a Mallet, knock out the cable entry port on the right-hand side of the box. Take care to support the box properly when doing this.

Box Preparation and Mounting

Step 2

- If the input cable is between 8mm and 15mm in diameter, and does not require water/gas blocking, insert the Cable Gland **(3)** through the port and secure into place by fully tightening the lock nut on the inside of the box.

- If the cable is over 15mm in diameter (up to 20mm), or water/gas blocking is required between the cable elements, insert the funnel **(4)** through the port of the box. Secure the funnel to the box using the lock nut supplied with the Cable Gland **(3)**.

IP088	Issue Number: 06	Date:14th November 2024

prysmian

Box Preparation and Mounting

Step 3

- Identify a suitable mounting position for the box.

- Mark the position of the four fixing holes for the box.

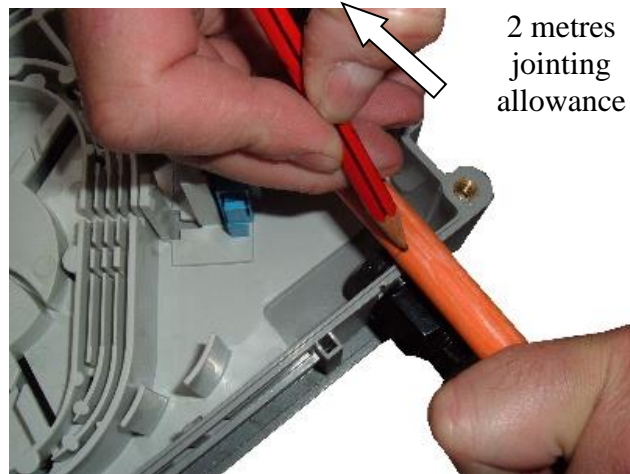- Drill the four fixing holes using a 6mm drill bit.

Box Preparation and Mounting

Step 4

- Fix the box to the wall using the fixing screws provided.

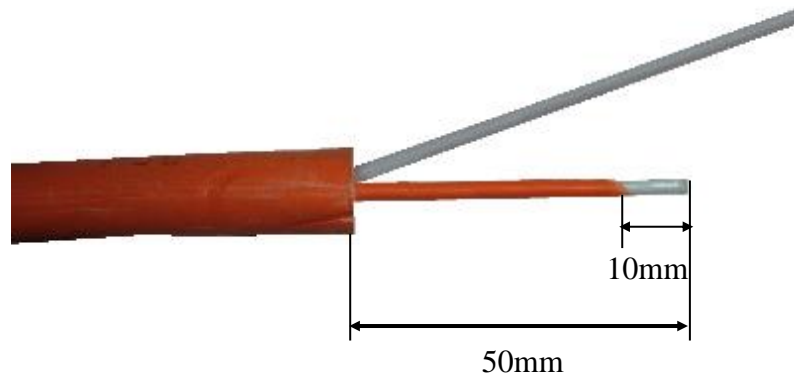| Cable Installation |
| --- |

Step 5

2 metres
jointing
allowance

- At the outside wall, mark a butt position on the input cable level with the top of the cable gland. Allow a further 2 metres for the jointing allowance for conventional cables and a further 200mm for a Blown Fibre cable.
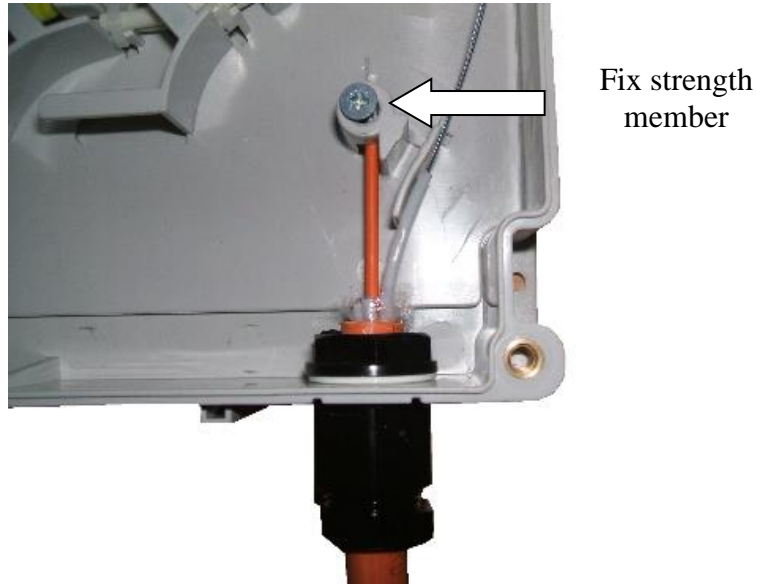
Cable Installation

Step 6

- Strip the cable sheath to expose the cable elements and remove any tapes or binders.

- For conventional cables, cut the central strength member to 50mm in length.

- Remove the sheath from the strength member back 10mm.

Cable Installation
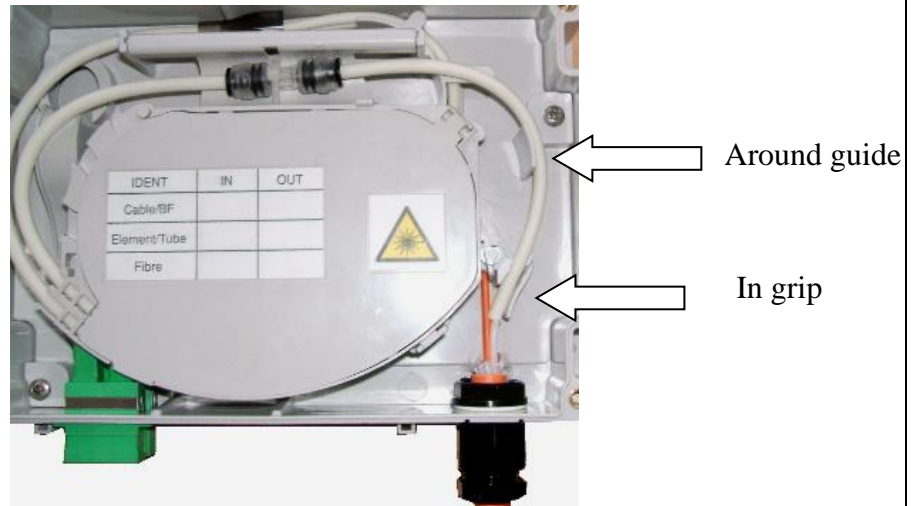
Step 7

Fix strength member

- Insert the cable through the gland and locate the strength member into the strength member retaining clamp. Fully tighten the grub screw to lock the cable into place.

- Fully tighten the Cable Gland **(3)** to seal and anchor the cable to the box.

Cable Installation

**Step 8**

Around guide

In grip

- Strip the cable element to expose the fibres approximately 30mm from the cable butt.

- Over sleeve the cable element with the transport tube and feed the fibres through the 5mm tube connector onto the splice tray.

- Push the tube into the connector. Ensure the tube is routed around the guide and pushed into the grip as shown.

Cable Installation

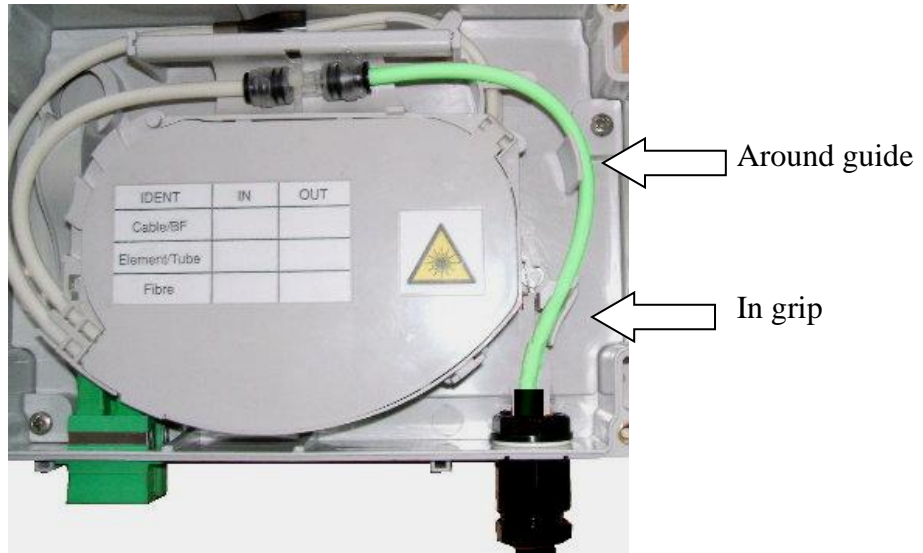| Step 9	Fit gas block connector if required
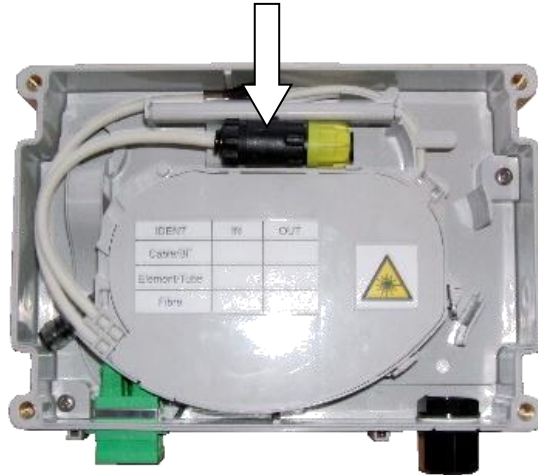
- For Blown Fibre Cables, ensure that the Blown Fibre tube is cut 175mm from the cable butt.

- If gas blocking is required between the tube and the fibres, replace the 5-5mm tube connector with a 5mm Gas Block Connector (Part Number XAGSC00404).
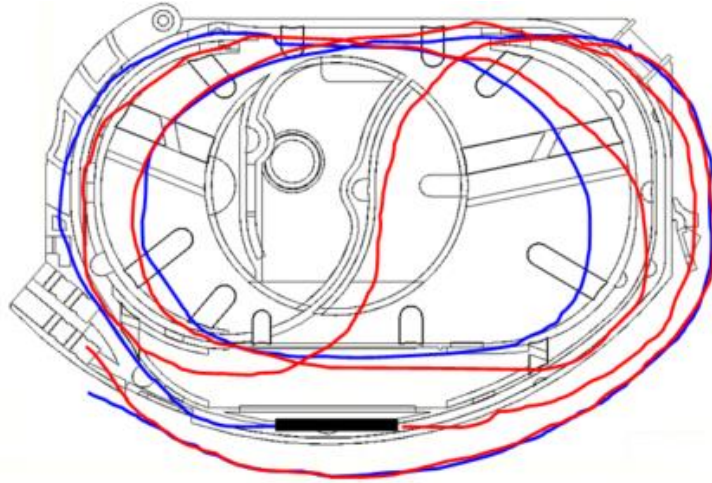
Cable Installation

Step 10	Fit gas block connector if required

- Route the tube around the guide and plug it into the 5mm connector.

- Ensure the tube is routed around the guide and is pushed into the retaining grip.

- Install the fibre using approved practices.

Connection of Drop Cables

Step 11

- Splice the fibres to the pigtail fibres already stored on the splice tray.
  The colour sequence can be seen in the following step.

- Place the splice protectors **(2)** in the bays and route the fibres around the tracks, storing and coiling them beneath the tabs of the central storage area.
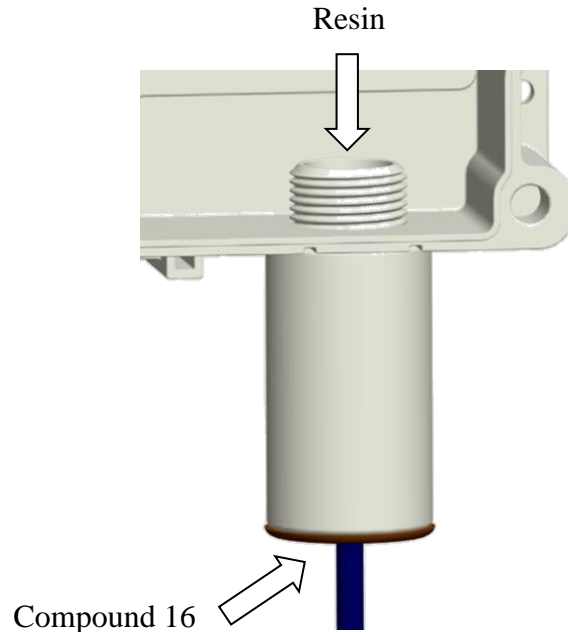
Connection of Drop Cables

Step 12
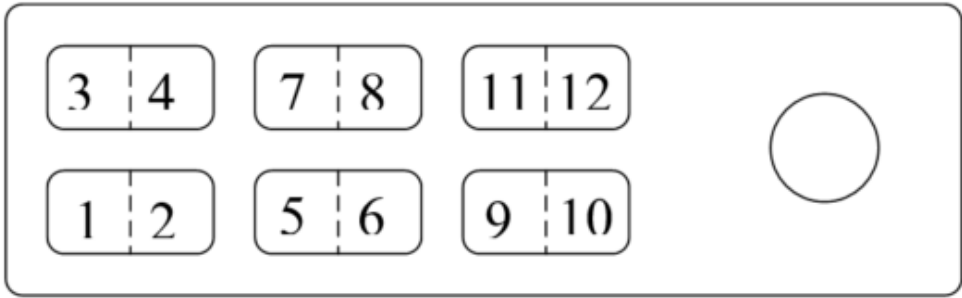
Adaptor No.	Pigtail Colour
1	Red
2	Blue
3	Green
4	Yellow
5	Violet
6	White
7	Grey
8	Orange
9	Brown
10	Black
11	Turquoise
12	Pink

Fibre colour sequence

Connection of Drop Cables

Step 13

Resin

Compound 16

- If the funnel has been used and water/gas blocking is required, use the Compound 16 **(5)** at the bottom of the funnel to temporarily seal between the cable and the funnel.

- Fill the funnel with resin (supplied separately – Part No. XPESC00054) to seal the cable. Allow 15 minutes for the resin to set.
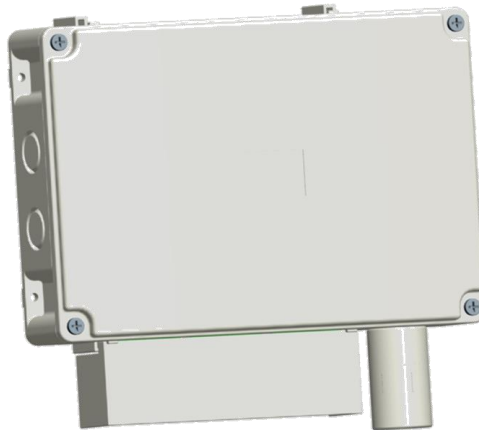
Connection of Drop Cables

Step 14
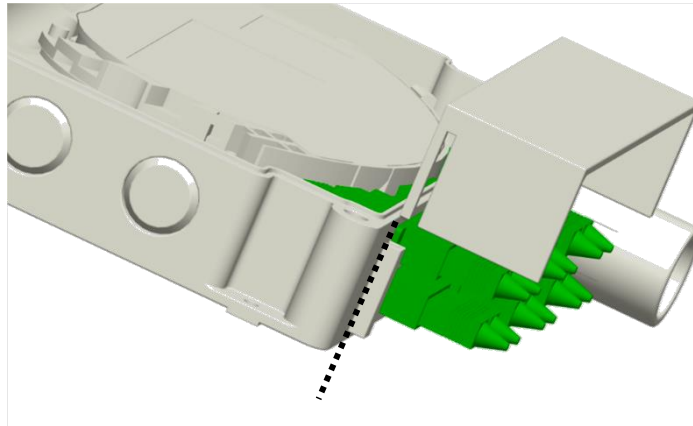
- Fit the protection Cover supplied with the Internal CSP by sliding the two rails into the slots on the bottom of the box.

prysmian

Connection of Drop Cables

Step 15

- Replace the cover of the box and secure by tightening the four screws.

⚠️
Clean before you connect.
It is important that all fibre connectors and adapters are cleaned prior to mating using approved local practice. Failure to clean may result in either poor signal performance and/or permanent damage to the connector end faces.

IP088	Issue Number: 06	Date:14th November 2024