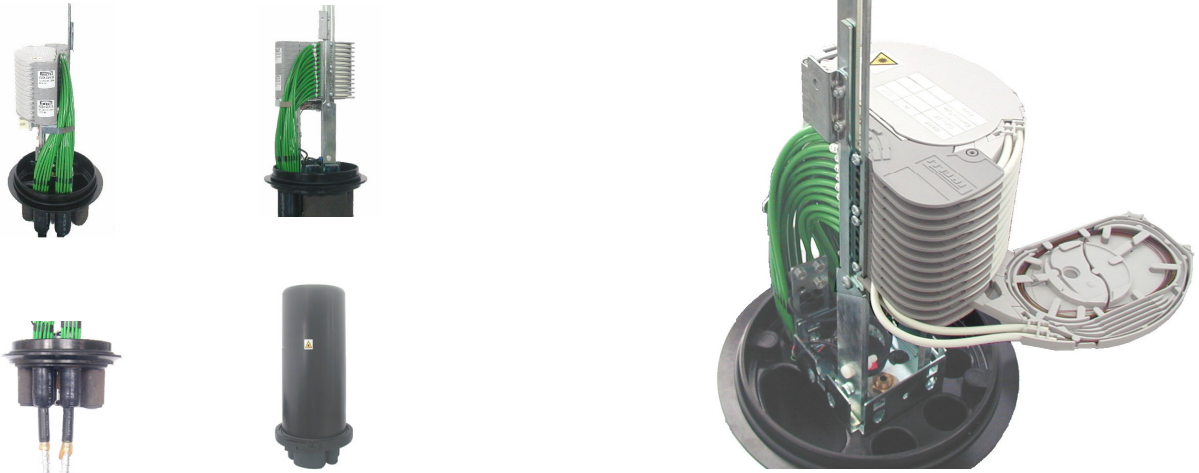


Standard Straight Joint

Prysmian Part Number: *See Table Below*



The OAsys Standard-Straight Joint is used for “easy access” applications within the external optical fibre network or at the interface between the exchange/central office. It allows two loose tube cables to be spliced together. The majority of optical cable constructions can be accommodated.

OAsys splicing modules are pre-fitted into the joint capable of accommodating up to 12 spliced fibres per tray. The joint can be upgraded to include additional cables and splices as required using OAsys Joint Upgrade Kits.

Features and Benefits

- The joint has a capacity of 30 splice trays which is upgradeable to 54 trays, using an OAsys Long Cap Conversion Kit.
- The joint can be re-configured to allow additional splice trays, cables or a cable mid span loop to be installed.
- Each joint is supplied with splice trays capable of containing up to 12 fibre splices. Note: in cases where 12 splices per tray are required, OAsys splice protectors (Part No. XPESC00053) must be used.
- The closure base has 6 circular entry ports and one oval entry port for mid span breakout applications.
- Cables up to 30mm in diameter can be installed into each port.
- All cables are sealed using adhesive lined heatshrink sleeves. The base entry ports are pre-shot blasted and configured with easy knock out ends, eliminating the need for cutting and abrading.
- The joint is quickly and easily re-enterable without the need of further consumables. The sealing clamp can be locked if required.
- On installation all cable elements are organised, oversleeved with protective tubing and identified with number collets.
- Splice trays open outwards individually, providing full access to spliced fibres without disturbance to adjacent ‘live’ fibre circuits. All fibres are positively managed to maintain a 30mm minimum bend radius within the joint.
- Sufficient components are supplied with each joint for the preparation, installation and routing of two cables.
- A number of mounting bracket options are available for securing the joint.

Kit Contents

The OAsys Standard Straight Joint is supplied with OAsys Splicing Modules and all accessories required for a complete installation.

Note: Splice protectors are supplied separately.

Additional Items

- OAsys Splicing Module
- OAsys Splitting Module
- OAsys Fibre Circuit Management Kits
- OAsys Accessories
- OAsys Mounting Brackets

Part Numbers

| Part Number | No. Trays | Initial Capacity | |
|-------------|-----------|-------------------|--------------------|
| | | 8 fibres per tray | 12 fibres per tray |
| XPBSC00206 | 6 | 48f | 72f |
| XPBSC00207 | 12 | 96f | 144f |
| XPBSC00208 | 18 | 144f | 216f |
| XPBSC00209 | 24 | 192f | 288f |
| XPBSC00210 | 30 | 240f | 360f |

Technical Data

- Number of cable ports: 6 (circular), 1 (oval)
- Maximum cable diameter (mm): 30
- Maximum splice tray capacity: 30 (short cap), 54 (long cap)
- Maximum fibre capacity: 432 (8/tray), 648 (12/tray)
- Required space envelope (mm): (l) 490 x (Ø) 270
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Material:-
 - Cap: Polypropylene
 - Base: Phenolic resin
 - Metalwork: Mild steel, zinc plate clear passivate
 - Splice trays: FR ABS
- Testing:-
 - Closure sealing: IP68 - BT specification LN450B
 - Optical: Tested at 1310nm and 1550nm
 - Dry heat: BS EN 60068-2-2 Test Bb
 - Damp heat: IEC 60068-2-3: 1969
 - Change of temperature: IEC 60068-2-14: 1984
 - Vibration: IEC 60068-2-6: 1995
 - Shock: IEC 60068-2-27: 1987

Logistics

- Packing Dimensions (mm): (w) 535 x (d) 305 x (h) 305
- Packed Weight (kg):-

| | |
|------------|-----|
| 48 fibre: | 6.0 |
| 96 fibre: | 6.5 |
| 144 fibre: | 7.0 |
| 192 fibre: | 7.5 |
| 240 fibre: | 8.0 |
- Net weight (kg):-

| | |
|------------|-----|
| 48 fibre: | 4.9 |
| 96 fibre: | 5.4 |
| 144 fibre: | 5.9 |
| 192 fibre: | 6.4 |
| 240 fibre: | 6.9 |
- Installation Instructions included

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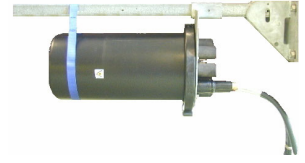
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Straight Joint Mounting Brackets

Hinged Mounting Bracket

The OAsys Hinged Mounting Bracket is used for the horizontal storage of the joint within an underground jointing chamber. The bracket can be hinged vertically and the closure raised upwards to a position above the pavement level, providing 360° access for working on the joint. On completion the joint is easily lowered and the bracket returned to the horizontal position.

Prysmian Part No. – XAPSC00525



Wall Bracket

The OAsys Joint Wall Bracket allows an OAsys Standard Joint to be mounted vertically against a wall face or bulk head. The bracket is secured using either bolts or screws (not provided). All jointing operations can be carried out whilst the joint is mounted in the bracket.

Prysmian Part No. – XPBSC00021



Support Tool

The OAsys Joint support tool allows the user to support any OAsys joint within a portable workbench. The bracket is designed to fit most commercially available workbenches. It is dimensioned to enable a splicing machine to be placed on the workbench for close access to the OAsys splicing trays.

Prysmian Part No. – XAPSC00539



Straight Joint Upgrade Kits

Splicing Module (SOSA) SE6

The OAsys SOSA SE6 is a module of 6 single element splice trays used to increase the capacity of the Straight Joint by up to 72 fibres. Each splice tray is capable of accommodating up to 12 spliced fibres.

Prysmian Part No. – XAPSC00503



Splicing Module (SOSA) SE4

The OAsys SOSA SE4 is a module of 4 single element splice trays used to increase the capacity of the Straight Joint by up to 48 fibres. Each splice tray is capable of accommodating up to 12 spliced fibres.

Prysmian Part No. – XPFSC00245



Branch Upgrade Kit

The OAsys Branch Upgrade Kit enables one additional cable of up to 144 fibres to be installed into the Straight Joint. It contains all of the components required to prepare, install and route the cable fibres onto the splice trays.

Prysmian Part No. – XPBSC00235



Oval Port Upgrade Kit

The OAsys Oval Port Upgrade Kit enables two loose tube cables to be installed into the oval port of the Straight Joint. It contains all of the components required to prepare, install and route the fibres to the splice trays on a single element basis.

Prysmian Part No. – XPBSC00236



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Straight Joint Upgrade Kits cont.

Loop Upgrade Kit

The OAsys Loop Upgrade Kit enables a 3.8m continuous loop of loose tube cable elements from a mid span cable section to be installed into the Straight Joint. It contains all of the components required to breakout and route the fibres from one element of the loop, to the splice trays on a single circuit basis.

Prysmian Part No. – XPBSC00237



240 Fibre Branch Kit

The OAsys 240 Fibre Branch Kit enables one 240 fibre cable (30 loose tube elements) to be installed into the Straight Joint. It contains all of the components required to breakout and route the fibres from one element of the loop, to the splice trays on a single circuit basis.

Prysmian Part No. – XPBSC00234



Long Cap Conversion Kit

The OAsys Long Cap Conversion Kit is used to increase the splice tray capacity of the joint from 30 up to 54. A spine extension bar is used to extend the joint spine and provide mechanical support for the splicing modules above the 30 tray level.

Prysmian Part No. – XAPSC00534



3 Way Port Breakout Kit

The OAsys 3 Way Port Breakout Kit enables up to 3 cables to be installed into one circular port of an OAsys External Joint. The breakout comprises of 3 input tubes which can be cut individually to allow installation of a small cable (up to 10mm diameter).

Prysmian Part No. – XPBSC00185



Straight Joint Accessories

Splice Protectors

OAsys splice protectors are used to protect the fibre splice. They are 2.2mm in diameter and 45mm in length.

Prysmian Part No. - XPESC00053 (pack of 50)
- XKTSC00050 (pack of 12)



Resin Pack

Kit containing a two part resin pack used for sealing cable interstices in the joint.

Prysmian Part No. - XPESC00054 (pack of 10)



Disposable Funnel Kit

Kit contains a disposable funnel which is used to aid in the pouring of the resin into the joint.

Prysmian Part No. - XAPSC00537 (pack of 10)



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