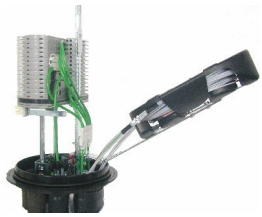
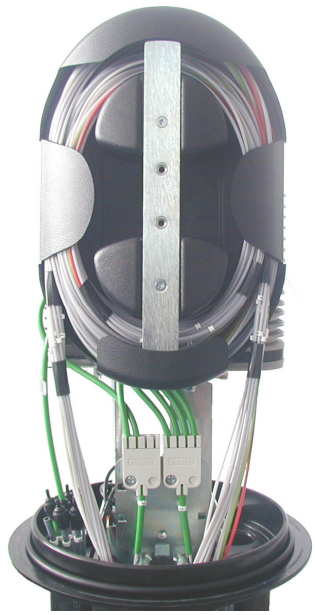
Standard Loop Joint

Prysmian Part Number: ***XPBSC00211***





The OAsys Standard Loop Joint allows a continuous loop of optical loose tube elements from a cable mid section to be stored within the joint closure. This enables the breakout of fibres for distribution via customer drop cables at a later date. The breakout of fibres is achieved using OAsys Joint Upgrade Kits and OAsys accessories as required.

The unused elements are stored within a loop manager, avoiding the need for splicing. Access to any of these elements for use at a later date is easily achieved.

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.
- Splice trays open outwards individually, providing full access to spliced fibres without disturbance to adjacent 'live' fibre circuits.
- A 30mm minimum fibre bend radius is maintained within the joint.
- 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.
- Each joint is supplied with an OAsys Loop Storage Unit capable of storing a 3.8 metre loop of loose tube cable elements.
- Sufficient components are supplied with each joint for the preparation and installation of a mid span loop.
- 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-entered with no need for 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.
- Re-configuration of fibres is easily achieved using a range of manifolds.
- The joint can be re-configured to allow extra splice trays and cables using OAsys Joint Upgrade Kits.

Kit Contents

The OAsys Standard Loop Joint is supplied with an OAsys Loop Storage Unit and all accessories required to prepare and install a continuous loop of loose tube cable.

Note: Splicing/Splitting modules, and accessories required to breakout elements are not included. Splice protectors are also supplied separately.

Additional Items

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

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):-	5.8
• Net weight (kg):-	4.7

• Installation Instructions included

Prysmian Telecom Cables & Systems UK Ltd, Chickenhall Lane, Bishopstoke, Hants SO50 6YU, UK
Technical Enquiries +44 (0) 2380 608760 Fax Number +44 (0) 2380 608769

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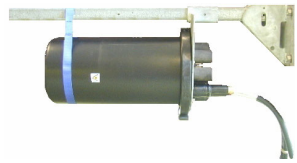
Loop Joint Mounting Brackets

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 360º 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

Loop 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

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

Prysmian Telecom Cables & Systems UK Ltd, Chickenhall Lane, Bishopstoke, Hants SO50 6YU, UK

Technical Enquiries +44 (0) 2380 608760 Fax Number +44 (0) 2380 608769

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Loop 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)

Universal Manifold 1x2

Used to breakout fibres into two separate working groups. A clear snap-on cover is supplied with each manifold to protect the fibres. The manifolds can be clipped together to form a stack or secured to a flat plate or surface using a 4mm diameter screw. Fibres are routed to and from the manifold using 5mm transport tube.

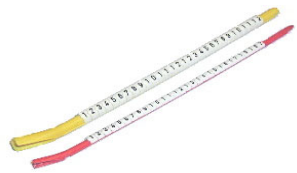
Prysmian Part No. – XPESC00017 (pack of 10)

Universal Manifold 1x4

Used to breakout fibres from a cable element into four separate working groups. A snap-on cover is supplied with each manifold to protect the fibres. The manifolds can be secured (and stacked) to a flat plate or surface using a 4mm diameter screw. Fibres are routed to and from the manifold using 5mm transport tube.

Prysmian Part No. – XPESC00030 (pack of 10)

Identification Collets – Spares Pack



Kit contains additional collets used for identifying loose tube cable elements and transport tube. Each kit contains 2 sizes of collets (for cable elements and protective transport tube). The collets are supplied on application wands each with a single number, numbers 0-9 are supplied.

Prysmian Part No. – XPFSC00009 (pack of 1)

Transport Tube – 5 metre coil

Used for oversleeving and routing of fibres to the splice trays in OAsys joints. This tube is not for use in Exchange products. The tube is cut to the appropriate length by the user using a tube cutter.

Prysmian Part No. – XAGSC00420 (5 metre coil)

Straight Joint Accessories cont.

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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