

Compact Splitter Joint

Prysmian Part Number: *XJTSC00137*



The OAsys Compact Splitter Joint houses up to four OAsys 1x8 Splitter Assemblies. This enables cables (or blown fibre tube) to be installed and spliced to splitters for the distribution of up to 32 customers on a single fibre per customer basis.

The joint is supplied with one 1x8 Splitter Assembly pre-installed and sufficient components for the installation of one Blown Fibre input cable. The joint can be supplied with a base with six circular ports or a base with an oval port and four circular ports.

Features and Benefits

- Supplied with a 1x8 Splitter Assembly pre-installed. The Splitter Assembly enables the connection of up to 8 customer drop fibres on a single fibre working basis (i.e. 1 fibre per customer). All 8 fibres are stored on one splice tray (single element working).
- Up to four 1x8 Splitter Assemblies can be accommodated in each joint.
- All fibres are positively managed to maintain a 30mm minimum bend radius within the joint.
- The closure base is available with either 6 circular entry ports, or an oval port with 4 circular ports.
- Cables up to 22mm 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 supplied with all of the components required to prepare, install and store the fibres of one Blown Fibre input cable. In cases where the oval port base is selected, the Oval Port Entry Kit is supplied instead of a Circular Port Entry Kit.
- Additional cables can be installed into the circular ports of the joint for branch/spur configurations using OAsys Cable Entry Kits, or OAsys Blown Fibre Cable Entry Kits. Additional cables can be installed into the oval port of the joint using an OAsys Oval Port Entry Kit.

Kit Contents

The OAsys Compact Splitter Joint is supplied with one 1x8 Splitter Assembly pre-installed and all of the components required to complete the installation of one input cable.

Note: Splice protectors are supplied separately.

Additional Items

- 1x8 Splitter Assembly
- Cable Entry Kits
- Splice Protectors
- Mounting Brackets

Technical Data

- Number of cable ports: 6 circular, or 1 oval and 4 circular
- Maximum cable diameter (mm): 22
- Maximum Capacity: 4 off 1x8 Splitters
- Maximum Loss: 11.5 dB
- Maximum no. of customer feeds: 32
- Required space envelope (mm): (l) 390 x (w) 231 x (d) 164
(Length = 500mm when heat shrink sleeve and SCOP are installed)
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Material:-
 - Cap: Polypropylene
 - Base: Phenolic resin
 - Splitter trays: FR High Impact Polystyrene
- Testing:-
 - Closure sealing: IP68 - BT specification LN450B
 - Optical: Tested 1310nm,1550nm and 1625nm
 - 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): l) 480 x (w) 250 x (d) 210
- Packed Weight (kg): 2.8
- Net weight (kg): 2.3
- Installation Instructions included

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Additional Items

1x8 Splitter Assembly

The OAsys 1x8 Splitter Assembly enables the connection of up to 8 customer drop fibres on a single fibre working basis (1 fibre per customer). All 8 output fibres are contained within the same splice tray (single element working).

Prysmian Part No. – XJTSC00138



Cable Entry Kit

The OAsys Cable Entry Kit is used to install an additional cable into an OAsys Compact Splitter Joint. The kit contains all of the components required to prepare and install the cable, and route the cable fibres to the splice trays.

Prysmian Part No. – XKTSC00010



Blown Fibre Cable Entry Kit

The OAsys BF Cable Entry Kit is used to install a Blown Fibre distribution cable into an OAsys Compact Splitter Joint. The kit contains all of the components required to prepare, install and water block the cable interstices.

Prysmian Part No. – XKTSC00018



Blown Fibre Distribution Kit

The OAsys Blown Fibre Distribution Kit is used to install Blown Fibre bundles into Blown Tubes installed in an OAsys Compact Splitter Joint. The kit contains a Blown Fibre manifold for breaking out the bundle for routing to separate splice trays, and routing tube to protect the fibres.

Prysmian Part No. – XKTSC00019



Tube Water Blocking Kit

The OAsys Tube Water Blocking Kit is used to water block both the used and unused Blown Tubes within the OAsys Compact Node.

Prysmian Part No. – XAPSC00531 (pack of 10)



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)



Mounting Brackets

Support Tool

The OAsys Compact Joint support tool allows the user to support an OAsys Compact Splitter 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 splicing trays.

Prysmian Part No. – XJTSC00075



Wall Mounting Bracket

The OAsys Compact Joint Wall Bracket allows an OAsys Compact Splitter 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. – XJTSC00076



Pole Mounting Bracket

The OAsys Compact Joint Pole Mounting Bracket allows an OAsys Compact Joint to be mounted vertically or horizontally on a pole, or against a wall face or bulk head. The bracket is secured using either screws or a steel band (not provided).

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