

Compact Single Circuit Joint

Prysmian Part Number: See below



The Compact Single Circuit Joint allows the termination of up to 96 fibres (4 fibres per tray). The joint is available with either 6 circular ports or 1 oval port and 4 circular ports.

The enclosure allows the insertion and storage of continuous fibre loops both within the splice trays and within the dedicated fibre loop storage facility at the rear of the enclosure (Limited to small loops. Oval port base version required).

Features and Benefits

- 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 25mm in diameter can be installed into each port.
- Cables are sealed using adhesive lined heat shrink sleeves or mechanical seals. 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 24 splice trays, with each splice tray able to accommodate up to four spliced fibres.
- Splice trays hinge upwards individually, allowing full access to spliced fibres without disturbance to live fibres in adjacent trays.
- The joints are supplied with all of the components required to prepare, install and store the fibres of two cables. In cases where the oval port base is selected, the Oval Port Entry Kit is supplied instead of Circular Port Entry Kits.
- Additional cables can be installed into the circular ports of the joint for branch/spur configurations using SC CJ Cable Installation Kit.
- Additional cables can be installed into the oval port of the joint using an SC CJ Oval Port Cable Installation Kit.
- The joint is suitable for direct buried applications using Prysmian's recommendations. Please contact Prysmian for a copy of the drawing.

Part Numbers

- XJTSC00215** - 6 circular ports inc. pressure relief valve
- XJTSC00184** - 1 oval port & 4 circular ports inc. pressure relief valve
- XJTSC00309** - 6 circular ports, no valve
- XJTSC00310** - 1 oval port & 4 circular ports, no valve
- XJTSC00311** - 6 circular ports inc. pressure test valve
- XJTSC00312** - 1 oval port & 4 circular ports inc. pressure test valve

Kit Contents

The Compact Single Circuit Joint is supplied with splice trays and all accessories required for the complete installation of two cables.

Note: Splice protectors are supplied separately

Additional Items

- Cable Entry Kit
- Mechanical Entry Kit
- Blown Fibre Kits
- Splice Protectors
- Support Tool
- Mounting Brackets

Technical Data

- Number of cable ports: 6 circular, or 1 oval and 4 circular
- Maximum cable diameter (mm): 25
- Maximum number of splice trays: 24 (96 fibre)
- Maximum fibre capacity of Joint: 96
- Required space envelope (mm): 390 x (w) 231 x (d) 164
(Length = 500mm when heat shrink sleeve and SCOP are installed)
- Operating temperature: -40°C to + 70°C (5 to 95% RH)
- IP Rating: IP68
- Material:-
 - Cap: Polypropylene
 - Base: Phenolic resin
 - Splice trays: FR High Impact Polystyrene
- Testing:-
 - Closure sealing: BT specification LN450B – IP68
 - 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

Additional Items

Cable Entry Kit

The Cable Entry Kit is used to install an additional cable into a Compact SC 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. – XKTSC00067



Additional Items

Oval Port Entry Kit

The Oval Port Entry Kit is used to install a loop of cable into the oval port of a Compact SC Joint. The kit contains all of the components required to prepare and install the cable, and route the cable fibres to the splice trays



Mechanical Entry Kits

Mechanical Seals are used to seal cables into a circular or oval port of the CSCJ joint. They comprise of two plates and a rubber seal that fits inside the port of the CSCJ joint. The screw is simply turned to compress the rubber seal around the cable.

- Prysmian Part No. – XJTSC01493 for cable 6.0mm to 8.0mm in oval port**
- XJTSC01494 for 2 cables 6.0mm to 8.0mm circular port
- XJTSC01495 for 6 cables 4.5mm to 5.5mm circular port
- XJTSC00496 for 8 cables 3.5mm to 4.5mm circular port
- XJTSC01497 for 12 cables 2.5mm to 3.5mm circular port



Blown Fibre Cable Entry Kit

The Compact Node Blown Fibre Cable Entry Kit is used to install a Blown Fibre distribution cable into an Compact Node. 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 Compact Node Blown Fibre Distribution Kit is used to install Blown Fibre bundles into Blown Tubes installed in an Compact Node. 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 Tube Water Blocking Kit is used to water block both the used and unused Blown Tubes within the Compact Node.

Prysmian Part No. – XAPSC00531 (pack of 10)



Additional Items cont.

Splice Protectors

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)

Compact Joint Mounting Brackets

Support Tool

The Compact Joint support tool allows the user to support an Compact SC 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 Compact Joint Wall Bracket allows an Compact 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 Compact Joint Pole Mounting Bracket allows an 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).



Prysmian Part No. - XJTSC00136

Please contact your local sales office listed on www.prysmiangroup.com

© Prysmian Group 2013, All Rights Reserved.
The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend this specification without notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.