

Compact Node

Prysmian Part Number: XJTSC00074A



The Compact Node is used for ready access applications within the external optical fibre network. It can be used where Sirocco Blown Fibre cables are required to be installed and spliced within the joint (either to cables or Blown Fibre cables), and is pre-fitted with a pressure relief valve, to prevent accidental pressurisation during Blown Fibre installation.

The joint is supplied with 12 single circuit splice trays and sufficient components for the installation of one cable. This enables the breakout of up to 24 fibres (dual fibre circuits) for connection to customer drop cables. Blown Fibre distribution cables can be installed using Blown Fibre Cable Entry Kits.

Features and Benefits

- Each joint is supplied with 12 splice trays enabling the connection of up to 24 customer drop fibres on a dual fibre per tray basis.
- All fibres are positively managed to maintain a 30mm minimum bend radius within the joint.
- Fully compatible with Sirocco™ Blown Fibre product range.
- The closure base has 6 circular entry ports.
- Cables up to 25mm 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.
- The closure base is pre-fitted with a pressure relief valve which prevents accidental pressurisation of a sealed closure during Blown Fibre installation.
- On installation all cable elements are organised, oversleeved with protective tubing and identified with number collets.
- Splice trays hinge upwards individually, providing full access to spliced fibres without disturbance to adjacent 'live' fibre circuits.
- Sufficient components are supplied with the joint for the installation and routing of one loose tube cable.
- Blown Fibre cables can be installed into the joint using NJ4A Blown Fibre Port Kits.

Kit Contents

The Compact Node is supplied with splice trays and all accessories required for the complete installation of one cable.

Note: Splice protectors are supplied separately.

Additional Items

- Blown Fibre Port Kit
- Blown Fibre Distribution Kit
- Tube Water Blocking Kit 5mm
- Splice Protectors
- Support Tool
- Wall Mounting Bracket
- Pole Mounting Bracket

Technical Data

- Number of cable ports: 6 (circular)
- Maximum cable diameter (mm): 25
- Maximum splice tray capacity: 12
- Maximum fibre capacity: 12 (single fibre per circuit)
24 (Dual fibre per circuit)
- Required space envelope (mm): (l) 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)
- Material:-
 - Cap: Polypropylene
 - Base: Phenolic resin
 - Splice trays: FR High Impact Polystyrene
- Testing:-
 - Closure sealing: IP68 - BT specification LN450B
 - Optical: Tested at 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 Compact Cable Entry Kit is used to install an additional cable into an Compact Node. 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 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 and install the cable.

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)



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 Node Mounting Brackets

Support Tool

The Compact Joint support tool allows the user to support an Compact Node 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 Node 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 2014, 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.