

32 Customer Distribution Joint

Prysmian Part Numbers: See page 2



The 32 customer Distribution Joint is a multi purpose joint that can be configured for a variety of different network configurations. The joint is used to distribute external network fibres to the customers premises via blown fibre tube cables. The joint has 38 tray positions and can accommodate single element and customer locking splice trays. The customer locking splice trays contain several coils of transport tube around the tray to lock the blown fibre units to prevent movement at the splice. The joint can also accommodate splitters and splitter assemblies (SASA's) of 1x8 or 1x32 configurations.

Features and Benefits

- Has a capacity of up to 38 splice trays.
- Can accommodate single element splice trays or customer locking splice trays which contain several tube loops to lock the fibre elements.
- Can accommodate splitters and splitter assemblies (SASA's).
- Splice trays hinge upwards individually, allowing full access to spliced fibres without disturbance to live fibres in adjacent trays.
- Contains an oval port and a Loop Storage facility. The oval port can accommodate cables up to 10mm in diameter. Cables are sealed into the oval port using resin.
- Contains six circular ports, which can accommodate a 25mm flexible conduit to protect the incoming blown fibre tubes. The conduit and tubes are sealed into the ports using resin.
- All fibres are positively managed to maintain a 25mm minimum bend radius within the joint.
- The Joint is sealed to IP68.
- Supplied in several configurations. Each type is identified by different colour toggles so there is no need to open the closure to determine which version is installed. See kit contents and part numbers for the different configurations.
- For use with Blown fibre tube cables.

Kit Contents

The 32 Customer Distribution Joint is supplied in several configurations as below: -

Version 1 is supplied with 2 single element trays, a 1x8 splitter assembly with locking trays (SASA), water block connectors, routing tubes and a mounting arm. Up to 3 additional 1x8 SASA's can be fitted at a later date.

Version 2 is for applications that don't require splitters and is supplied with 6 single element trays, 32 customer locking trays, 32 water block connectors, routing tubes and a mounting arm and knuckle.

Version 3 is supplied with 38 single element trays with a 1x32 splitter pre-installed and a splitter output routed to 32 of 38 splice trays. Also supplied with a 4 tube spreader and a mounting arm.

Version 4 is supplied with 18 single element trays a 1x4 splitter assembly (SASA), water block connectors, routing tubes and a mounting arm. Up to 3 additional 1x4 SASA's can be fitted at a later date.

Technical Data

- Number of cable ports: 1 Oval (can be used for a Loop), 6 Circular.
- Maximum cable diameter (mm): 10 Oval, a 25mm conduit Circular
- Maximum number of splice trays: 38
- Required space envelope (mm): (w) 210 x (h) 560 x (d) 165.
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Material:-
 - Base & Cover : Polypropylene (Black)
 - Splice trays: FR HIPS (Light Grey)
 - Toggles: 20% Glass Filled Polypropylene (Orange, Green, Blue)
 - Port Bungs: 20% Glass Filled Polypropylene (Black)
- Testing:-
 - Closure sealing: 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): (w) 221 x (h) 660 x (d) 175
- Packed Weight (Kg): 7.6
- Net Weight (Kg): 6.3 (Joint is 3.9 and Mounting Bracket is 2.4)
- Installation Instructions Included

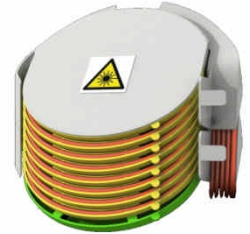
Part Numbers

- **XJTSC00683** - Version 1
- **XJTSC00684** - Version 2
- **XJTSC00685** - Version 3
- **XJTSC00745** - Version 4

Additional Items

Splitter Assemblies (SASA's)

Splitter Assemblies are modules of trays with an optical splitter pre-installed. The SASA is made up of a device tray to house the optical device and the input fibre and a number of output trays each housing an output fibre. The number of output trays depends on the splitter configuration.



Prysmian Part No. – XJTSC00741 – 1x4 SASA
– XJTSC00742 – 1x8 SASA

7 Tube Spreader

The 7 Tube Spreader is used to spread the tubes of a 7 tube blown fibre cable to allow resin to block the interstices.



Prysmian Part No. – XJTSC00743

12 Tube Spreader

The 12 Tube Spreader is used to spread the tubes of a 12 tube blown fibre cable to allow resin to block the interstices.



Prysmian Part No. – XJTSC00744

Sealing Resin

Used to seal the cables into the joint and provide a water block for the cable interstices. The resin pack fits into a standard single tube sealant gun (not supplied). One pack contains sufficient resin to seal all of the ports in the closure, and is supplied with 2 application nozzles. The resin is re-usable such that the units can be sealed on different days.



Prysmian Part No. – XKTSC00094

Heat Shrink Splice Protectors

Splice protectors are used to protect the fibre splice. They are 1.3mm in diameter and 30mm in length.



Prysmian Part No. – XPESC00057 pack of 50

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