32 Way Splitter Node

Prysmian Part Number: - *See page 3*

The 32 Way Splitter Node is a wall mounted product used for the distribution of fibres to customer drop cables. The unit can accommodate input cables (butt or in-line) for connection to a 32 way splitter device. Up to 32 drop cables of 3-6mm in diameter can be spliced to the output splitter legs and distributed from the box. Drop cable ports are provided on both top and bottom faces of the box and top and bottom manifolds provide easy routing of fibres within the unit.

The splitter node is supplied empty or with a 1x32 way splitter device pre-fitted, with the input and output legs already routed to the splice trays. Each customer has their own individual splice tray that can house up to four splices. The unit is supplied with 32 single circuit trays (16 double splice trays), a splitter input tray and three single element trays for spare or pass through fibres.   The unit can be supplied in white for internal use or grey and fitted with a seal for external use.

Features and Benefits

- Each box can be supplied empty or pre fitted with a 1x32 way splitter. For technical information on the splitter refer to data sheet AC005.

- The box is pre-configured with 32 customer splice trays, each housing a splitter output leg. Note. There are 16 double splice trays where each splice tray contains a hinge out second splice tray within it, providing two separate storage areas for customer segregation.

- Each unit is also supplied with a splitter input tray (green) and three single element trays for storage or splice through.

- Each box comes supplied with a top and bottom routing manifold for fibre routing to the splice trays.

- All fibres are positively managed to maintain a 30mm minimum bend radius within the wall box.

- Splice trays hinge upwards individually, allowing full access to spliced fibres without disturbance to live fibres in adjacent trays.

- Input cables can enter from the top or bottom face of the box. Its possible to install an in line cable passing through the box.

- Drop cables can exit from the top of bottom face of the box.

- The boxes are made using flame retardant UL94-V0 rated materials.

- Can be supplied in white for internal use or grey for external use. The external unit is fitted with a seal and rated to IP55.

Kit Contents

The 32 Way Internal Splitter Node is supplied with a 1x32 splitter device, 32 customer trays for output legs, an input splice tray for the input splitter leg and three single element splice trays for spare fibres.

Cable ties for both input and drop cables are also supplied along with 32 drop cable grommets and fixings to secure the unit to the wall.

Splice protectors are ordered separately. See page 3.

The empty boxes are supplied with all of the above but do not have a splitter device installed.

Additional Items

- Drop Cable Kit 3-6mm
- Splice protectors

Technical Data

- Number of Input cable ports: 1 (1 top and / or bottom can also be used for in-line pass through)

- Number of Output cable ports: 32 (3-6mm) on both the top and bottom face of box.

- Maximum Input cable diameter (mm): 6-12mm (using M20 Cable gland for External box. Internal box can be up to 20mm).

- Maximum Output cable diameter (mm): 6

- Splice Trays: 32 Single Circuit (note = 16 double SC trays where each tray has two storage areas.
  1 Splitter Input splice tray
  3 single element splice trays for storage or splice through

- Splitter: For technical details of the splitter refer to data sheet AC005.

- Required space envelope (mm): (w) 320 x (h) 410 x (d) 115.

- Operating temperature: -20°C to + 50°C (5 to 95% RH)

- Material:-
    - Internal Box: FR ABS White (RAL9016)
    - External Box: FR ABS Dark Grey (RAL7030)
    - Splice trays: FR ABS White (RAL9016)
- Testing:-
    - Sealing: IP55 – External product only
    - 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) 350 x (h) 450 x (d) 150
- Packed Weight (Kg): 2.2
- Net Weight (Kg): 2.1
- Installation Instructions Included

Part Numbers

Box Colour	With 1x32 Splitter Installed	Part Number
White	Yes	XCPSC01867
White	No	XCPSC02241
Dark Grey	Yes	XCPSC02242
Dark Grey	No	XCPSC02243

Additional Items

Drop Cable kit (3-6mm) – 6 Port

All 32 drop grommets and cable ties are supplied with the splitter node initially. This kit is intended for spares only in cases where extra grommets or cable ties are required. The kit consists of six cable ties and six rubber grommets in case and is used to install drop cables into six of the 32drop ports (for cables of 3-6mm in diameter) on the bottom or top face of the box.

Prysmian Part No. – XKTSC01110

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)

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