

Wall Mounted Products



Verticasa Internal Transition Box (ITB)

Prysmian Part Number: See below





The Verticasa In-line Transition Box (ITB), is mainly used for Multi Dwelling Units (MDU's) or office fibre cabling system's. It is a compact splicing box enabling the splicing of up to 4 drop cables to a main in-line cable. The ITB houses a single splicing tray. It is available in two versions, one for 12 and 24 fibre Verticasa cables and one for 48 fibre Verticasa cable.

Features and Benefits

- Allows splicing from cables to cables.
- 12/24 fibre version is suitable for one inline cable of up to 12.5mm in diameter. The 48 fibre version is suitable for one inline cable of up to 15mm in diameter.
- Up to 4 drop cables can be spliced to the in-line cable.
- The compact dimensions 100 x 80 x 32mm allow the unit to be installed in the network where access is restricted: riser, duct, etc...
- The cable entries are suitable for 5mm drop tubes or standard cables from 2.5 to 5 mm OD.
- Up to 4 fusion splices or two mechanical splices can be accommodated into the splice tray.
- Cable management within the unit ensures the minimum 20mm bend radius for optical fibre is not exceeded.
- Easily installed and fitted to the wall or inside a riser.
- Input/output cables are secured at the cables entry levels.
- Unit manufactured from fire resistant UL94-V0 rated material.
- The standard colour is White RAL 9016. Other colours are available on request.

Kit Contents

• The Verticasa In Line Transition box is supplied with a splice tray, wall fixings and cable ties.

Additional Items

• Splice Protectors

Part Numbers

- XCPSC00523 Verticasa ITB 12/24F (12.5mm inline cable diameter)
- **XCPSC00930** Verticasa ITB 48F (15mm inline cable diameter)





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Technical Data

• Maximum number of splices: 2 mechanical, 4 fusion

• Number of cable ports: 1 Input Cable - 4 Output Cables

• Maximum cable diameter (mm): 12.5 mm (12/24F), 15.0mm (48F)

• Required space envelope (mm): (L) 100 \times (W) 80 \times (D) 32

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

• Material Internal Unit:-

Cover: FR ABS - White RAL 9016
Base: FR ABS - White RAL 9016

Logistics

• Packing Dimensions (mm): (L) 120

(W) 100

(D) 45

• Packed Weight (kg): 0.100

• Net weight (kg): 0.080

• Installation Instructions included

Additional Items

Heat Shrink Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length.

Prysmian Part No. - XKTSC00050 (pack of 12) XPESC00031 (pack of 50)



Mechanical Splices

Mechanical Splices are used to splice fibres together without the need of a fusion splicing machine. They are 4mm wide x 4mm tall and 40mm in length. An assembly tool and splice holder is required for installation. See Prysmian data sheet AC007 for further information on mechanical splices.



Prysmian Part No. - XKTSC00121 (pack of 50)

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