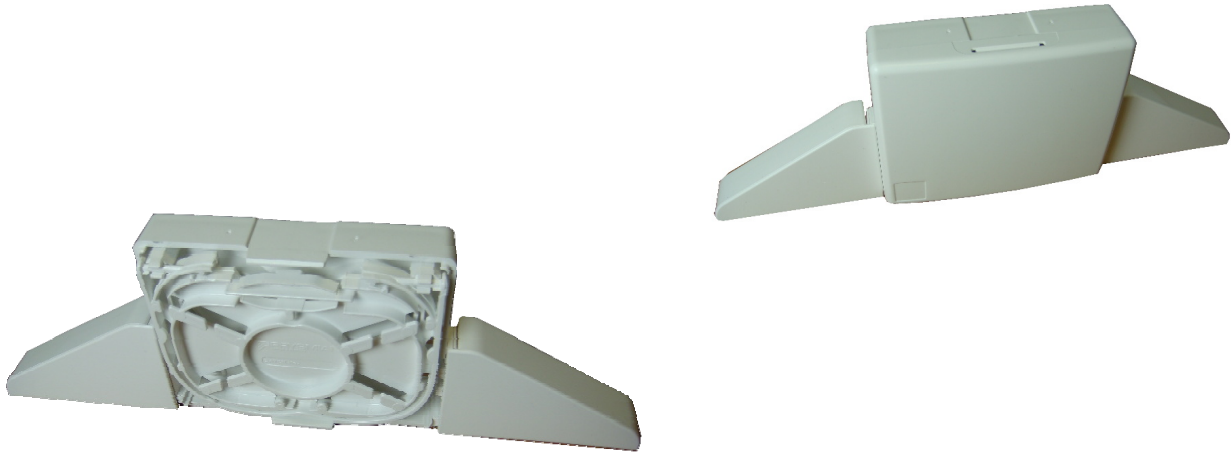# Verticasa Internal Transition Box (ITB)

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)

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 x (W) 80 x (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)

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