Preconnectorised PBI®

Product Design

Product code – see below

Product Description

The Preconnectorised PBI is a riser box designed for use within apartment blocks and mid/high rise office blocks. The unit houses up to three splice trays and up to 16 SC or 32 LC type pigtails and adapters. Each splice tray can accommodate 12 fibre splices. An in-line cable entry port enables the box to be installed onto an in-line riser cable and up to 16 drop ports for drop cables up to 5mm diameter or up to 32 drop ports for 3mm drop cables.

DESIGN & CONSTRUCTION

- Allows splicing from in line or butt cables to customer drop cables.

- Suitable for two butt or one inline cable of up to 15mm in diameter.

- In line cables enter the unit on the left-hand side.

- Up to 16 drop cables (OD 5 mm) if using SC connectors and up to 32 drop cables (OD 3 mm) if using LC connectors can be spliced. Drop cables exit the unit from the bottom face.

- The drop cable entries are suitable for cables or tubes from 2.5 to 5 mm in diameter.

- Up to 12 fusion splices can be accommodated into each of the splice trays.

- Can accommodate optical splitters. Contact Prysmian for further details.

- Cable management ensures a 20mm minimum bend radius.

- Easily installed and fitted to the wall or inside a riser.

- Suitable for internal use only and manufactured from UL94-V0 rated material.

- Input and output cables are retained using cable ties.

Kit Contents

The Preconnectorised PBI is supplied with a base, cover, up to 3 splice trays, up to 16 SC or up to 32 LC adapters and 16 SC or 32 LC pigtails, cable ties for fixing the in-line cable and wall fixings.
*check Part Numbers table

• Note: Splice protectors and cable ties to secure the drop cables are not supplied and must be ordered separately.

Additional Items
• Cable Ties (fixing drop cables),
• Splice Protectors,
• Mini Connector Cleaners.

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Technical Data

- No of Splice Trays: Up to 3
- Max capacity (fibres)   36
- Max diameter of in line cable: 15mm
- Max no. of Connectorized Drops: 16 (SC) or 32 (LC)
- Drop Cable Connector Type: SC/LC
- Max diameter of drop cables: 5mm
- Required space envelope (mm):   (h) 210 x (w) 130 x (d)60
- Operating temperature: -20oC to + 60oC (5 to 95% RH)
- Material: FR ABS
- Colour: White RAL 9016
- Flammability rating: UL94-V0

Logistics

- Packing Dimensions (mm):
    - Bubble Bag: (h) 230
                                        (w) 150
                                        (d) 75
    - Box: (h) 735
                                        (w) 229
                                        (d) 171
- Packed Weight (kg):
    - Bubble bag (contains 1 pc):   0.45
    - Box (contains 10 pcs):   5.20
- Net weight (kg):   0.40

Part Numbers- SC

Part Number	Adapters Supplied	Pigtails Supplied	Max. Capacity	Number of Splice Trays
XCPSC03167	8 SC/APC	0	16	1
XCPSC03168	8 SC/APC	0	16	3
XCPSC03169	8 SC/APC	8	16	1
XCPSC03170	8 SC/APC	8	16	3
XCPSC03977	12 SC/APC	0	16	3
XCPSC03978	12 SC/APC	12	16	3
XCPSC05373	16 SC/APC	16	16	2

Part Numbers- LC

Part Number	Adapters Supplied	Pigtails Supplied	Max. Capacity	Number of Splice Trays
XCPSC03638	8 LC/APC	0	32	3
XCPSC03903	12 LC/APC	12	32	3
XCPSC04850	8 LC/UPC	8	32	3
XCPSC05504	16 LC/APC	16	32	3
XCPSC05505	24 LC/APC	24	32	3
XCPSC05506	32 LC/APC	32	32	3

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Additional Items

Cable Ties

Cable ties are used for securing drop cables into the box. The cable ties are 100mm in length and 2.5mm wide.

Prysmian Part No. – XKTSC00370 (Bag of 100)

Heat Shrink Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length.
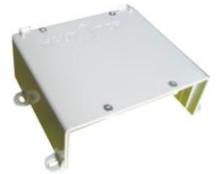
Prysmian Part No. – XKTSC00050 (pack of 12)
– XPESC00031 (pack of 50)

Wall Support

An optional kit to mount the Preconnectorised PBI to the wall. The wall support enables fixing of the Preconnectorised PBI onto a plate allowing cables to pass underneath. The kit contains the fixings necessary to mount the PBI.

Prysmian Part No. – XCPSC02088

Mini Connector Cleaners

Mini connector cleaners have a one-action cleaning system with over 500 times of cleaning units. They are effective for various contaminants (for full details please refer to datasheet AC058).

Prysmian Part No. – XKTSC01735 (SC/ST/FC Mini Connector Cleaner)
– XKTSC01736 (MU/LC Mini Connector Cleaner)