

MTWB – 16 Drop Termination Box

Prysmian Part Numbers: - See page 3



The Medium Termination Wall Box (MTWB) is a wall mounted box used for the termination of fibres to customer drop cables. The unit has a capacity of up to 96 fibre splices and can accommodate input cables of both butt and in-line types. Up to 16 SC type pigtailed and adapters or 32 LC type can be accommodated. Up to 16 pre-terminated drop cables of 3-6mm in diameter, and two customer drop cables of 6-12mm in diameter, can be distributed from the box. Drop cable grommets are used to seal the ports and are supplied with the box and available as spares. The box can be supplied in white or dark grey and both units have an IP55 rating making it suitable for internal or external use.

Features and Benefits

- For internal and external use.
- Supplied with four single element trays, each able to accommodate 24 splices.
- Splice protectors of 1.3mm to 2.2mm in diameter can be accommodated.
- Also compatible with crimp splice protectors.
- Facility to mount two splitters in the insert of the box and a further two splitters on each splice tray (sacrificing splice positions).
- All fibres are positively managed to maintain a 30mm minimum bend radius within the wall box.
- Can accommodate up to 16 SC type pigtailed and adapters or 32 LC type.
- Pre-terminated drop cables can be sealed using split grommets supplied with the box.
- Splice trays hinge upwards individually, allowing full access to spliced fibres without disturbance to live fibres in adjacent trays.
- The box is suitable for Riser applications.
- Cables can enter / exit from the top or bottom face of the box.
- The box is sealed to IP55 and the boxes are moulded from UV stable material to prevent discolouring.
- The boxes are made using flame retardant UL94-V0 rated materials.

Kit Contents

The MDWB is supplied with

- 01 x Base
- 01 x Cover with Seal
- 04 x Cover Fixing Screws (Captive)
- 04 x Splice Trays SE24
- 01 x Fibre Routing Insert
- 03 x Cable Entry Gland
- 03 x Cable Tie - Entry Cable
- 16 x Drop Cable Grommet
- 16 x Cable Tie - Drop Cable
- 01 x Wall Fixing Kit
- 02 x In Line Cable Cover
- 01 x Installation Guide

- XX x Adapters SC/LC
- XX x Pigtailed SC/LC

Additional Items

- Drop Cable Kit (spares)
- Splice protectors

Technical Data

- Number of Input cable ports: 3 (can also be used for in-line pass through). **Note** output ports can also be used as additional input ports.
- Number of Output cable ports: 16 for 3-6mm cables
2 for 6-12mm cables
- Maximum Input cable diameter (mm): 12 (M20 Cable gland), 20 for internal pass through
- Maximum Output cable diameter (mm): 3-6 (16 ports), 6-12 (2 ports)
- Maximum number of splice trays: 4 Single Element 24f Trays = 96 fibres
Trays also accommodate splitters. Two splitters also can be accommodated below the trays.
- Splice Protectors: 4 Single Element 24f Trays = 96 fibres
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Material:-
 - Box (Dark Grey): FR ABS Dark Grey (RAL7030)
 - Box (White): FR ABS White (RAL9016)
 - Splice trays: FR ABS White (RAL9016)
- Testing:-
 - Closure 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

Part No.	Box Colour	Pigtails	Adapters	Drop Ports
XCPSC03092	White	None	None	16
XCPSC03093	White	8 x SC/APC	8 x SC/APC	16
XCPSC03094	White	16 x SC/APC	16 x SC/APC	16
XCPSC03095	White	16 x LC/APC	8 x LC/APC DX	16
XCPSC03096	White	32 x LC/APC	16 x LC/APC DX	16
XCPSC03097	Dark Grey	None	None	16
XCPSC03098	Dark Grey	8 x SC/APC	8 x SC/APC	16
XCPSC03099	Dark Grey	16 x SC/APC	16 x SC/APC	16
XCPSC03100	Dark Grey	16 x LC/APC	8 x LC/APC DX	16
XCPSC03101	Dark Grey	32 x LC/APC	16 x LC/APC DX	16

Additional Items

Connectorised Drop Cable kit (3-6mm) – 8 Port

This kit consists of eight cable ties and eight split rubber grommets and is used to install additional drop cables into eight of the 16 drop ports (for cables of 3-6mm in diameter) on the bottom face of the box.



Prysmian Part No. – XCPSC03102 (Pack of 8)

Heat Shrink Splice Protectors

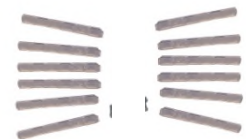
Splice protectors are used to protect the fibre splice. They are 2.2mm in diameter and 45mm in length.



Prysmian Part No. – XKTSC00050 (pack of 12)
XPESC00053 (pack of 50)

Crimp Splice Protectors

Crimp Splice Protectors are used to protect the fibre splice. They are 1.3mm wide x 3.2mm high x 30mm long.



Prysmian Part No. – XKTSC00079 (pack of 12)
XKTSC00078 (pack of 50)

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