

VertiCasa LDWB Pre-Spliced Solution

Prysmian Part Number : XCPSC03690



VERTICASA^{XS}
Pre-spliced Solution



The Verticasa pre-spliced Riser solution combines a 72 fibre Verticasa cable (data sheet ref TV03688-en,) with the Prysmian Connectivity LDWB (data sheet ref: WM055.) It combines these items by the fusion splicing of 64 fibres of the Verticasa cable to the outputs of two 1:32 splitters mounted inside the LDWB. The wall box is supplied on a cardboard reel with 50 Meters of cable pre installed in the factory. This process eliminates the need for excessive splicing in the MDU base. The cable is simply pulled directly out of the box and up the riser. The Large distribution wall Box can be secured to the wall using the supplied drilling template.

Features and Benefits

- Minimised splicing for installer.
- The LDWB is pre-terminated in the factory in the factory to a length of cable using the latest splicing equipment.
- Fully tested in the factory, Each box is supplied with data for estimated splice loss and red light test.
- The standard cable length is 50m. Other lengths can be supplied. Contact Prysmian for further information.
- Termination Box manufactured from fire resistant UL94 V0 rated material.
- Full traceability and build records including operator, splitter serial numbers and packing contents.
- Cable is Construction Products Regulation **Cca** classification.
- Cable is retained in LDWB using a gland and cable ties for extra durability.
- All fibres are positively managed to maintain a 30mm minimum bend radius within the wall box.
- The Boxes are moulded from UV stable material to prevent discolouring.

Kit Contents

- The box will contain a LDWB with 50 meters of cable pre-spliced to it.
- The 50 meters of cable and LDWB will be fixed to a cardboard drum.
- The kit bag will contain a gland and grommet with cable ties for the input cable that will be spliced to the input fibres of the splitters with the installation guide.

Additional Items - Required

- Splice Protectors. (see last page for part number)

Additional Items - Optional

- Drop Cable kit (3-6mm) – 6 Port
- Drop Cable Kit (6-12mm) – 2 Port (see last page for part number)

Technical Data - LDWB

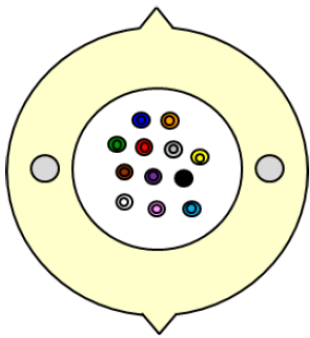
- Number of Input cable ports: 1 (can also be used for in-line pass through). **Note** output ports can also be used as additional input ports.
- Number of Output cable ports: 48 for 3-6mm cables (24 on top and 24 on bottom face of box)
8 for 6-12mm cables (4 on top and 4 on bottom face of box).
1 with Verticasa cable pre installed
- Maximum Input cable diameter (mm): 12 (M20 Cable gland).
- Maximum Output cable diameter (mm): 3-6 (48 ports), 6-12 (8 ports)
- Maximum number of splice trays: 20 Single Element Trays = 240 fibres
40 Single Circuit = 160 fibres on 4f per trays basis (note = 20 double SC trays where each tray has two storage areas)
- Required space envelope (mm): (w) 320 x (h) 410 x (d) 115.
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Material:-
 - Box (White): FR ABS White (RAL9016)
 - Splice trays: FR ABS White (RAL9016)
- Testing:-
 - 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

Technical Data – Fibre Termination

- Termination type: Fusion Splice
- Estimated Splice Loss @ : $\leq 0.05\text{dB}$.
- Operating temperature : from -20°C to + 50°C (5 to 95% RH)
- Testing specification :

Technical Data - Cable

Description	Number of fibres
Cable type	72f VertiCasa
nominal diameter (mm)	13.5
Minimal bending radius (mm)	135
Maximal tension (daN)	30
Crush (daN/100mm)	50
Operating temperature (°C)	-10/+60
Fibre type	G.657.A2 (BendBright XS)



-24F version illustrated not to scale -

- **Fibers:** G.657.A2
- **Buffers:** 0.9 mm easy stripping buffers with 2, 4 fibers (2f, 4f ESFU).
- **Outer Sheath:** Flame retardant LSOH, 2 glass fibers reinforced plastic material (GRP) embedded, disposed at 180°.

Logistics

- Packing Dimensions (mm): (w) 710 x (h) 710 x (d) 365
- Packed Weight (Kg): 18.1
- Net Weight (Kg): 18
- Installation Instructions Included

Part Numbers

Prysmian group Part Number	Designation	Product Content
TBC	LDWB Pre-Spliced 2 x 1:32 Splitter - 50m of 72F OFNL SEQ	Internal LDWB equipped with 2 x 1:32 splitters that are spliced too, 50 meters of VertiCasa 72f internal cable.

Optional Items

Drop Cable kit (3-6mm) – 6 Port

This kit consists of six cable ties and six rubber grommets and is used to install additional drop cables into six of the 24 drop ports (for cables of 3-6mm in diameter) on the bottom or top face of the box.



Prysmian Part No. – XKTSC00384 (External Box – Black grommets)
XKTSC01110 (Internal Box – White grommets)

Drop Cable Kit (6-12mm) – 2 Port

This kit consists of two cable glands and cable ties and is used to install additional drop cables into two of the four ports (for cables of 6-12mm in diameter) on the bottom or top face of the box.



Prysmian Part No. – XKTSC00385 (External Box – Black gland)
XKTSC01111 (Internal Box – White Gland)

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. – XKTSC01284 (pack of 12)

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