



## Additional connectorized 1:8 splitter into a CTB2

### Description

The CTB2 is a universal enclosure that has been developed for housing fibre connectivity. The versatile design gives the CTB2 the ability to accommodate a number of connectivity solutions, splice only, splice and patch and even splitter modules.

The box is a high quality ABS housing that can be supplied in a variety of colours. Internally the box can come equipped with either a plastic or metal module to accommodate fibre storage cable management.

This application currently holds a connectorised 1:8 splitter this application note shows the process for adding another 1:8 splitter and splicing.

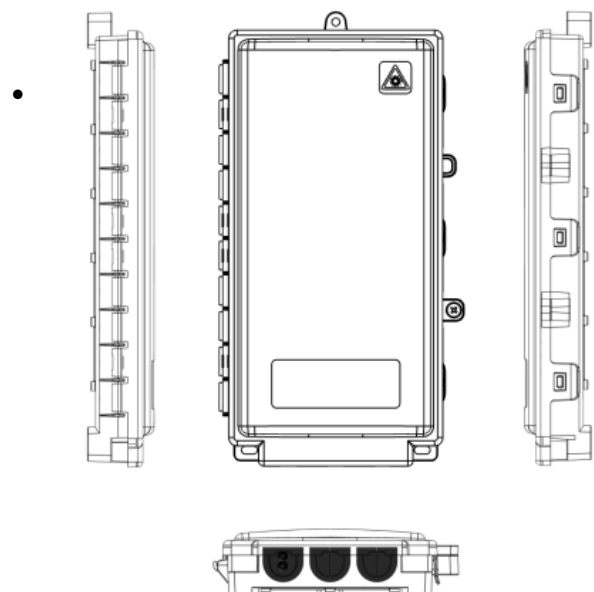
### Specification

<b>Dimensions</b>	42mm D x 150mm W x 270mm H
<b>Weight</b>	Approximately 350g
<b>Mounting</b>	Mounting Wall & pole mounting - Screw fixtures or bracket
<b>Material</b>	ABS
<b>Minimum bend radius</b>	16mm (Max)

### Features

- Robust / Impact resistant
- Cost effective
- UV stable
- Multifunctional
- V0 fire rated (Grey option for I/O)
- Future proof FTTx deployments
- MDU
- Demarcation point

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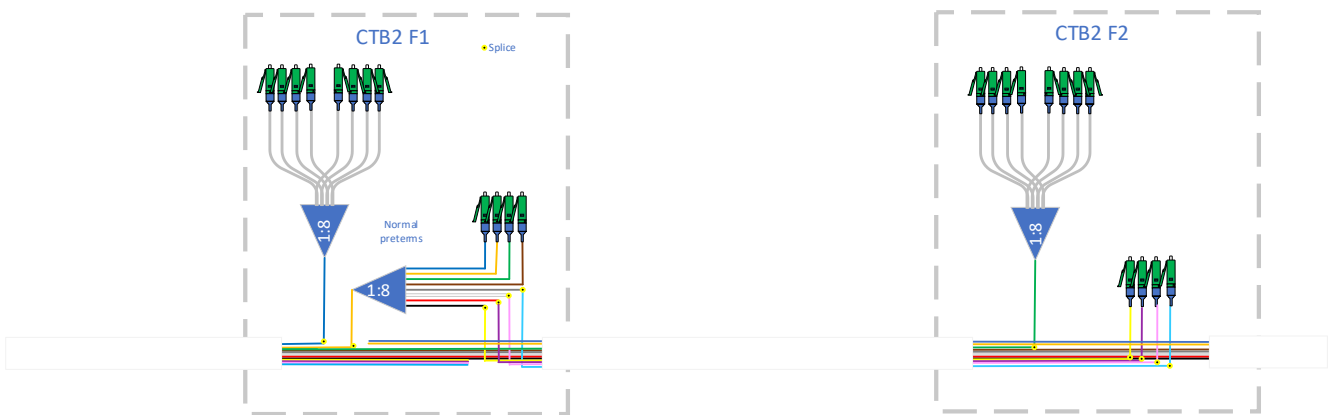
This solution can be used to augment either CFMDU-CTB2-G-P08-1X8-ALC or CFMDU-CTB2-B-P08-1X8-ALC to hold 12 premises in the box.

### Ordering Information

Part number	Description
CFMDU-1F1-108-ALC-2-C60	SPLITTER PLC - 900um - 1x8 - A2 - ALC/ALC - 2m/60cm, Grade B
FPC-AS-ALC-DX-XF-SCS-G	Standard Grade - ADAPTOR, SM, DUPLEX, FLANGELESS, LC/APC, ZIRC, GREEN x 2

**Note: Hexatronic accepts no liability to products modified in the field.**

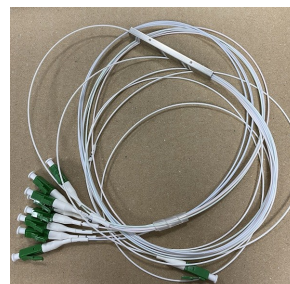
### Basic scenario



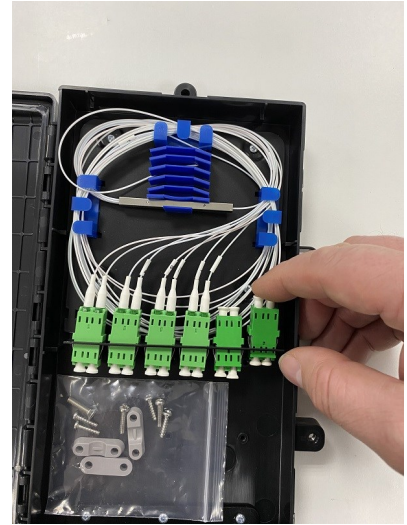
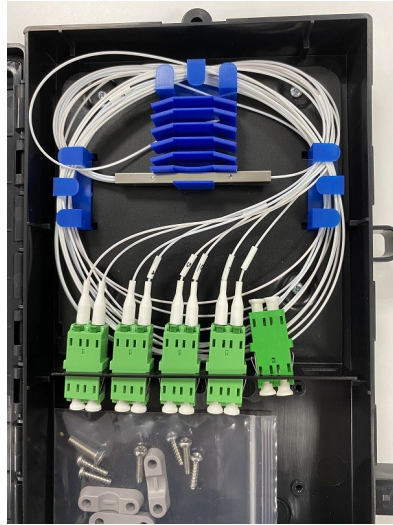
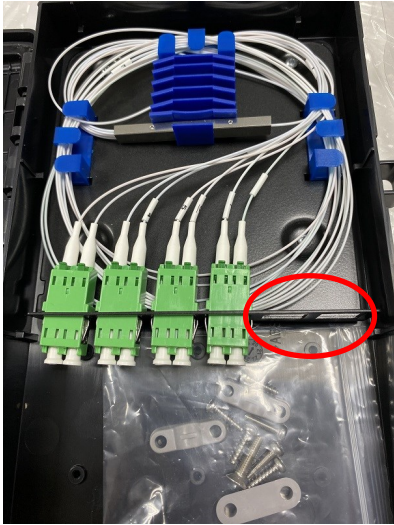
1. Open the existing CTB2 box.



2. Collect 1 x 1:8 connectorised splitter and 2 duplex LC/APC adapters

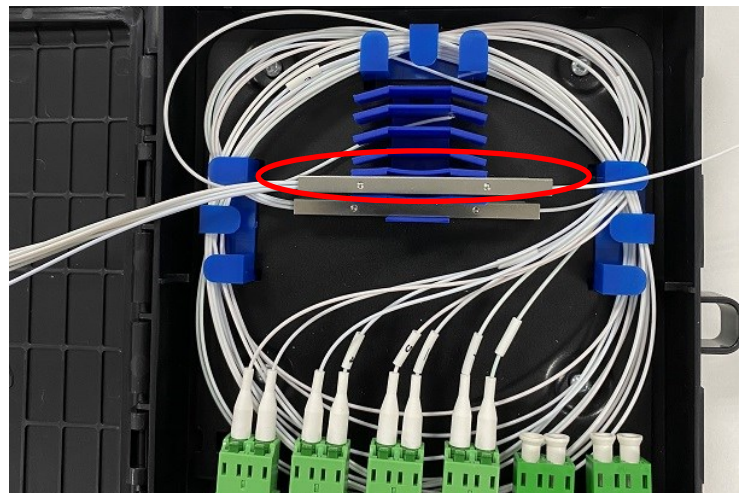


3. Install the adapters into the 2 spare holders on the right hand side of the plate. Shown in the red circle.

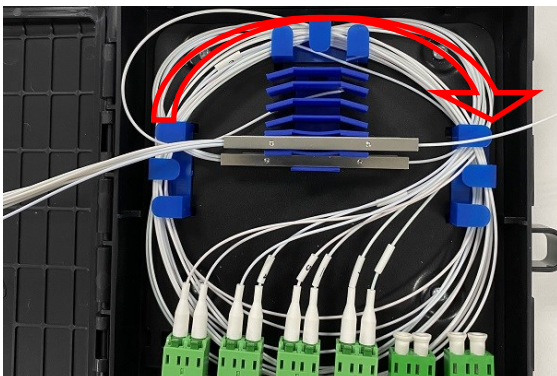


4. Install the splitter into the holder as shown making sure to orientate it correctly. The 8 tails will exit the holder to the left and the single feed to the right.

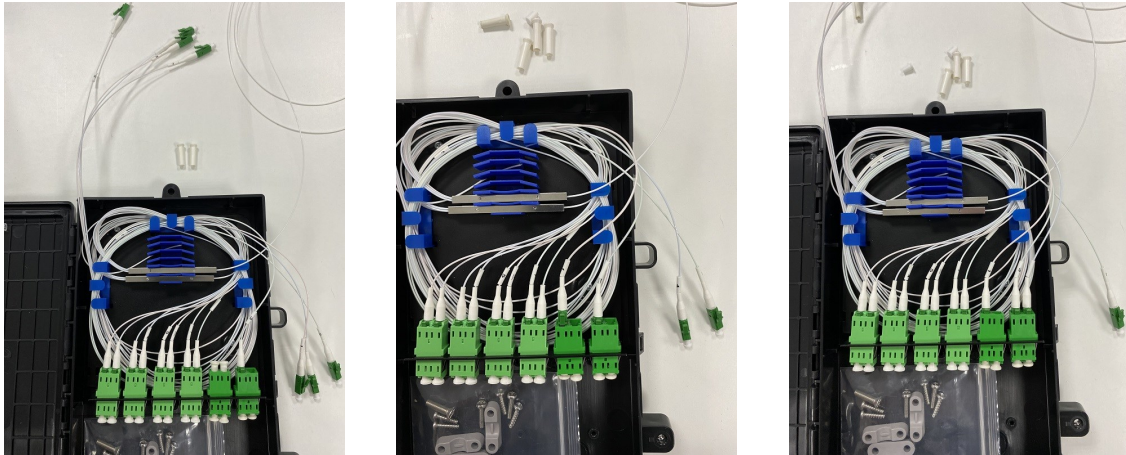
**Note do not touch the end faces when installing the connectors.**



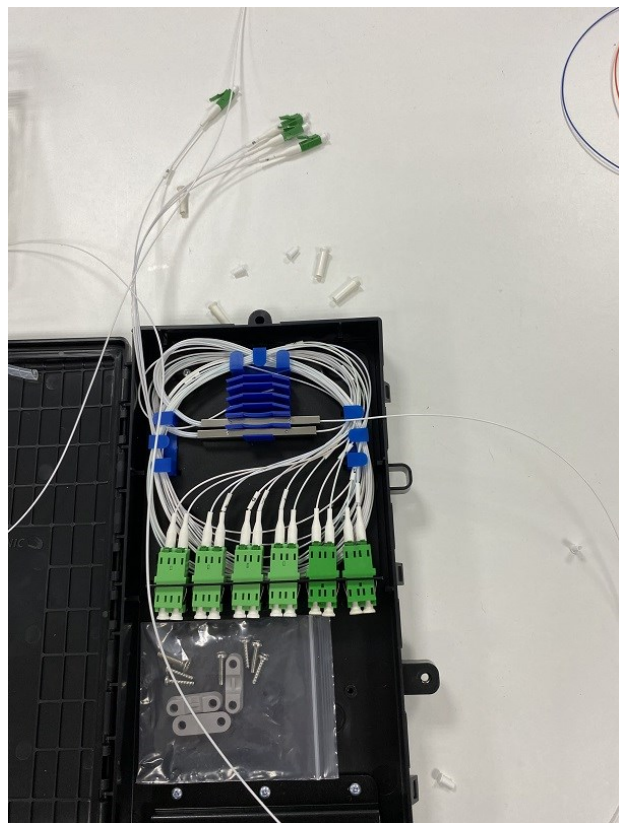
5. Start to dress the tails following the existing tails then split the tails so you have 1-4. and 5-8 separate.



6. Dress away the 4 tails and then plug them into the adapters.

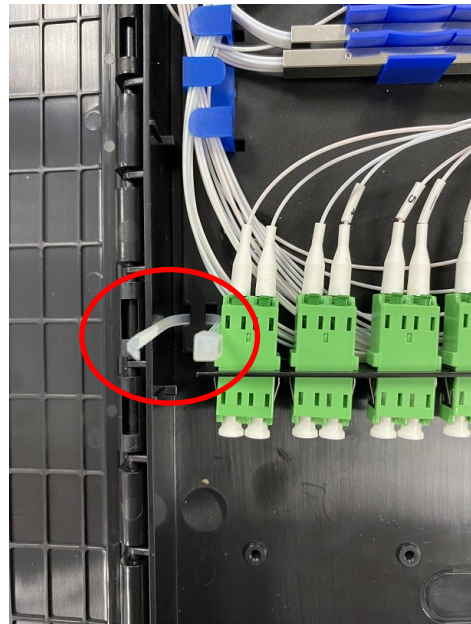


7. It will look like this when finished.



8. Dress tails 5-8 around and then cut off the connectors in the splice bridge ready for splicing to the cable. Dress the feed fibre away also.

9. For splicing a mid span store the required slack on the CTB2 bracket.
10. Install cable tie as shown the red circle.



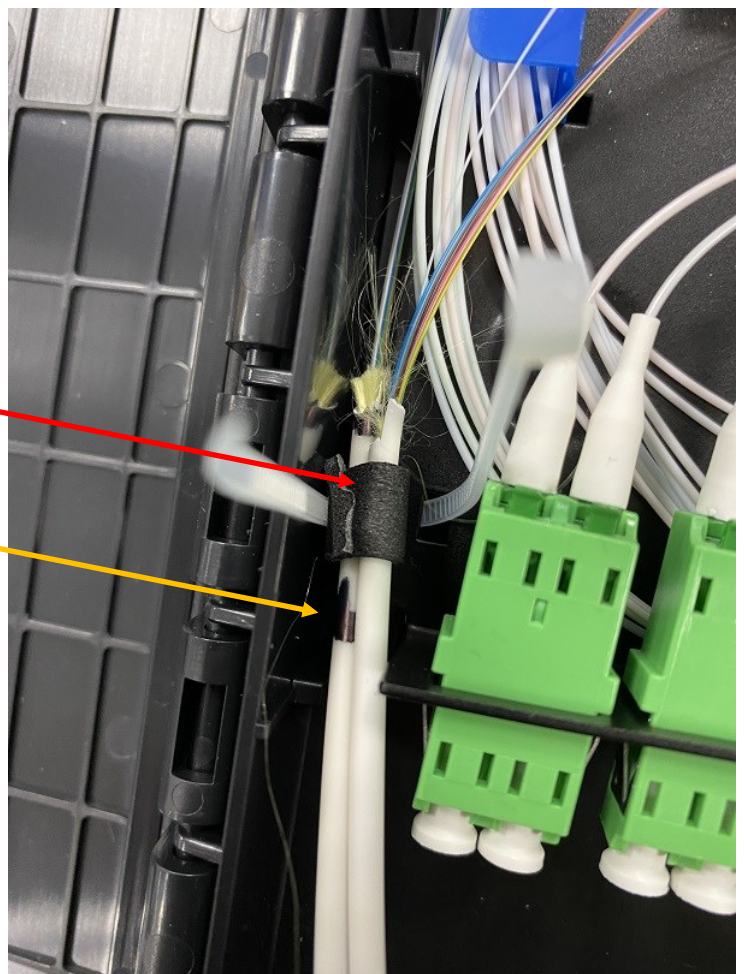
11. Mid span required is 1.4m dress the cable and mark your input side as shown.

Mid span the cable using FOTA -MS-6



Foam tape

Feed side



Use 2mm slot for a 2mm cable and 3mm for the 3mm cable.

**Note always cable tie onto foam tape and use flush cutters to cut cable ties.**

12. Cut the fibres required for splicing in the middle of the 1.4m loop then dress to splice bridge .



13. Splice fibre's and dress away as shown.



14. Splice pigtailed to the fibres in the next box and then the splitter as normal.

## Final Quality checks

1. Are the adapters installed in the correct orientation?
2. Have the connectors been installed correctly?
3. Have the fibre and splitter tails been wrapped away correctly following the correct routing paths as shown?
4. When the cable is installed has foam tape been wrapped around the cable tie points?
5. Has the cable ties been cut with flush cutters so there are no sharp edges?