Adding splitters to an ASN

Product Overview

The Aerial Subscriber Node is a compact and secure solution for installing pre-terminated drop cables for FTTX applications.

The Node is developed to provide a separation between the network build and the customer drop. Housing the drop connectors within the aerial node ensures that optical connectivity is both cost-effective and secure.

Optimized for fast deployment, the closure can be sup-plied as a standalone unit ready for splicing or
as a pre-tailed closure ready for faster rollouts.

Pre-terminated connectorized drop cables can then be installed at a later date without the risk of access to the delicate 250um fibres. Up to 32 drop
cable customer connections can be offered.

Applications

The Hexatronic ASN is designed to be pole or wall mounted. A mounting bracket can also be supplied.

Features

- IK08 Impact-resistant enclosure
- High quality hinge mechanism and clip system
- Up to 32 customer drops
- 4 x multifibre entry ports
- Secure tamper proof cover
- Physical separation of splicing area and customer drop connections
- Range of colours
- Pole or building façade mounting features
- Working temperature -40ºC to +70ºC

Specifications

IP Rating	IP55
Temperature	-40ºC to +70ºC
UV Stability	UV Stable
Splice Capacity	48F
Patch Capacity	36F (LC/APC)
Splitter Capacity	4x (1x8)
Cable Access Ports	4 ports (14mm)
Mounting	Pole / Wall
Colour	Black, V0 Grey
PIA Compliant	Yes

The ASN is designed for maximum flexibility in the network providing the ability for the technician onsite to upgrade the standard 8 port 1:8 splitter version to accommodate extra ports and splitters.

Ordering Information	
Part number	**Description**
CFMDU-ASN-108PLC-KIT	ASN Upgrade Splitter Kit, 60cm 1:8 PLC, 8 Adaptors.

Simplex adapters

Splitter 1:8 60cm tails

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

1. Open the box and check if adapters are required. (if not skip to step 4)

2. Install the required adapters checking that the adapter is installed with the correct orientation. The adapter will click when installed and be held securely.

Note this must be facing up for access to remove any drop cables in the future
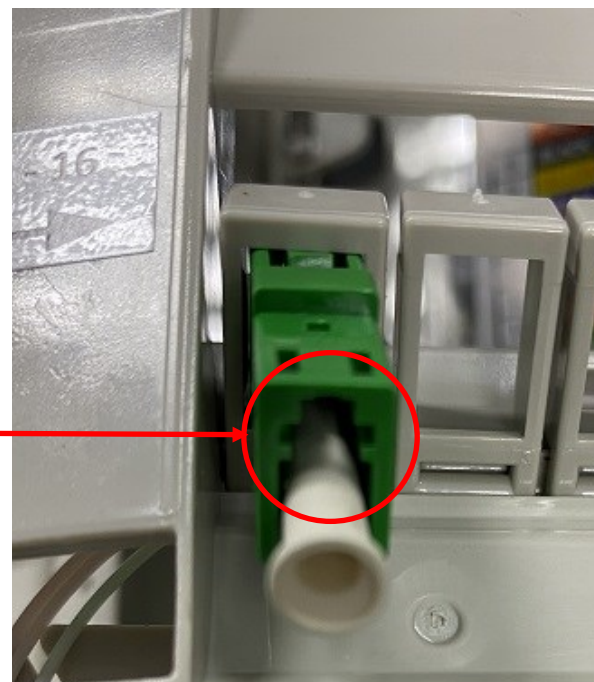
3. Repeat for all ports required.

4.   Unpack the splitter : -

This will be in packs of 2 check the serial number on the splitter with the splitter data sheer for reference of losses.
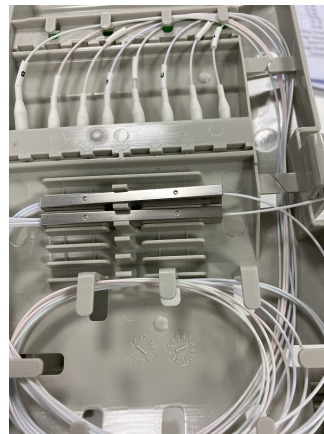

5.   Insert the splitter into the next splitter holder.

Note the 8 tails will exit to the left and the 1 feed will be on the right.

6.   Carefully dress the feed tail around the manager this will make installing the connectors easier.
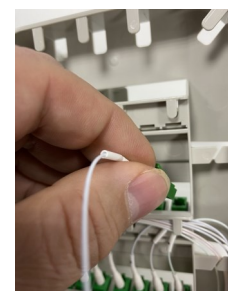

7.   Locate the identification collets on each tail so that tail 1 can be install to the 1st port for that splitter i.e. port 9
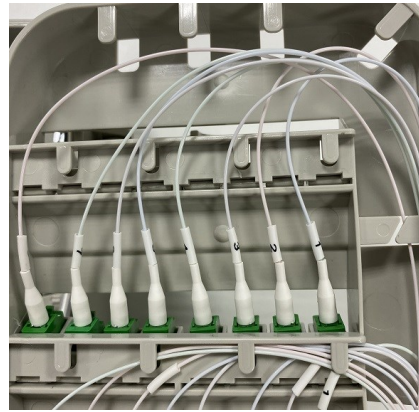

8.   Remove the duct cap from the adapter and the connector then install.
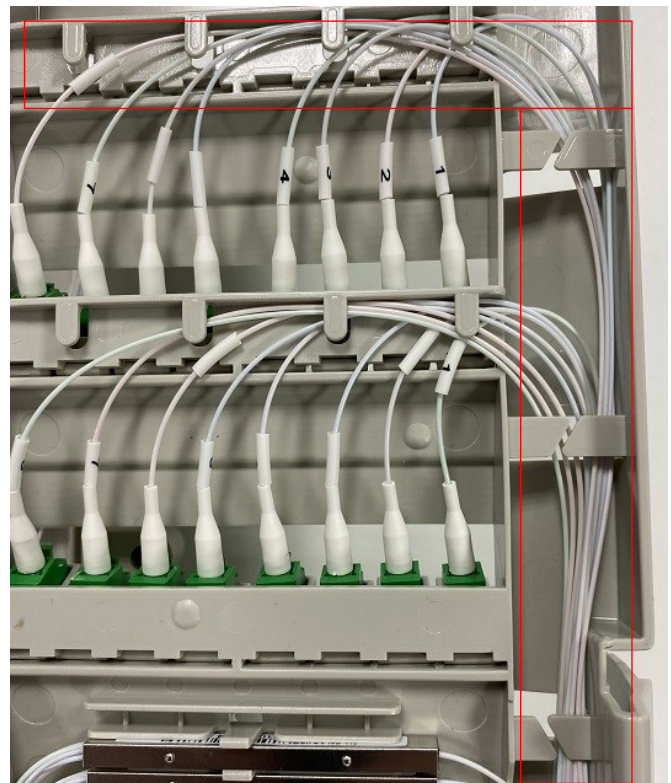
Note

DO NOT touch the end face of the connector.

9.   Repeat this for all 8 tails then double check correct numbering.

10.   Dress the fibres into the fibre guides taking care not to kink or damage any fibres make sure that the fibres have a sweeping bend on them no sharp angles. All fibres must be held within the fibre management area under the tabs as shown in the red boxes.
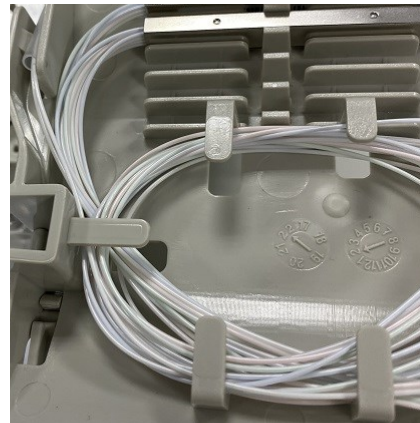

11.   Carefully dress the slack on the tails away into the fibre storage area.
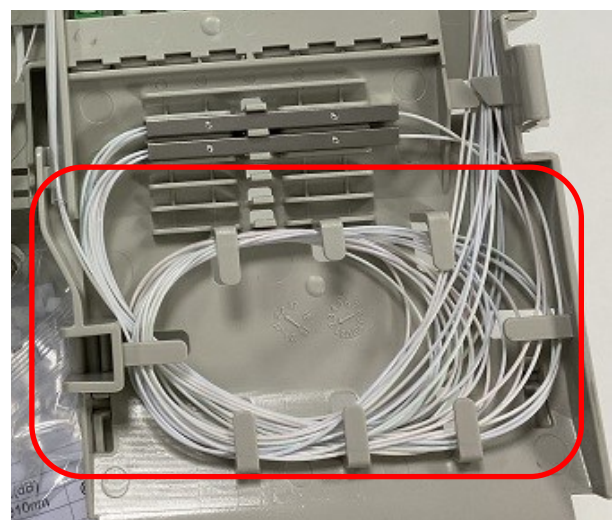
12. Dress the feed fibre through the transportation tubing this routing gives access to the splice tray.
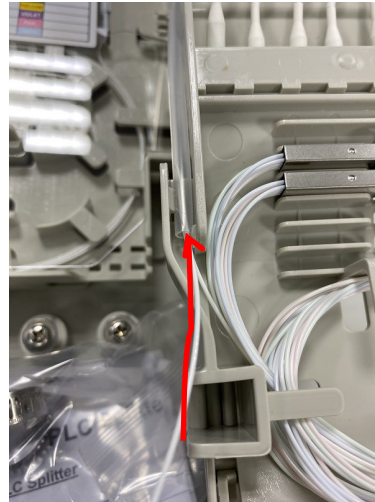
13. Carefully feed the fibre through the transportation tubing until it reaches the splice tray. Then carefully feed the rest of the slack through and dress the splitter side away.

14. Store feed fibre on the splice tray. Following the routing of the 1st splitter. Then replace the tray cover.

15. Final check

- Adapters are securely held in place?

- All connectors are plugged in securely and correct numbers to ports?

- Fibre routing held within the fibre manager areas?

- Feed fibre routed through the transportation tubing?

- Feed fibre dressed correctly on the splice tray?