



Adding 1:4 splitter into 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 supplied 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 -40°C to +70°C

Specifications

IP Rating	IP55
Temperature	-40°C to +70°C
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

This application note is used to add a 1:4 splitter into an ASN for rural routes.

Ordering Information

Part number	Description
CFMDU-PS1F1-104-ALC-2-C60	SPLITTER PLC - 900um - A2 - 1x4 - ALC/ALC - 2m/60cm, Grade B

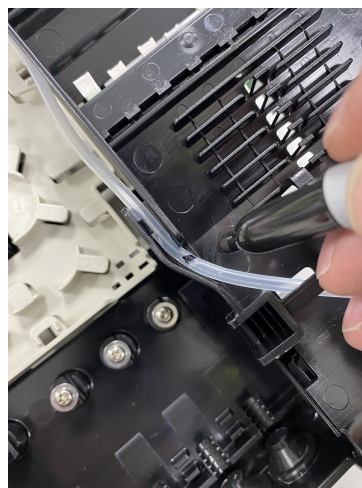
Note: Hexatronic accepts no liability to products modified in the field.

Build procedure

1. Open the unloaded ASN. Collect the 1:4 splitter. Remove the splice tray cover.



2. Locate and install the transportation tubing and mark with pen for length required. Cut to length using a tube cutter.



Always cut duct and transportation tubing with the correct cutter so as not to damage the duct.

3. Install the splitter into the splitter holder on the door making sure that the tails are orientated correctly.



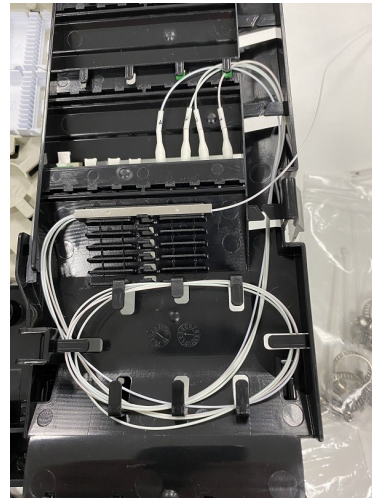
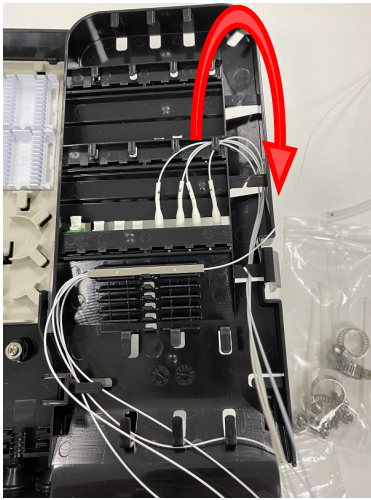
4. Locate the dust cap for port 1 and locate tail 1 remove dust caps from both and plug the tail in.

Repeat for all 4 ports

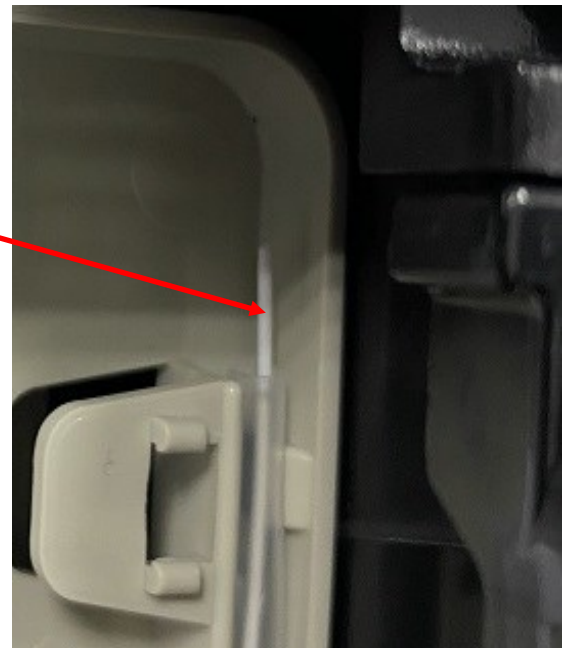
Never touch the end faces when installing into the adapters.



- From the connectors you have just plugged in start to dress the slack back towards the splitter.

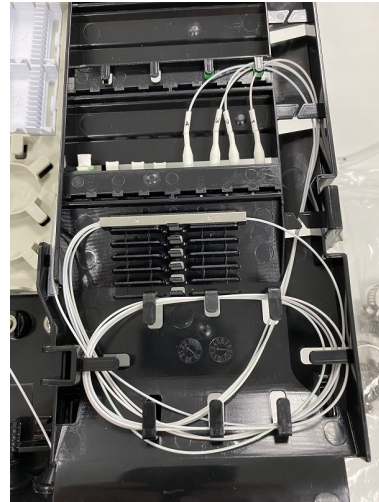


- Install the fibre feeding the splitter through the transportation tubing on to the splice tray.



The fibre must be fed through the transportation tubing.

7. Dress away the feed fibre in the door so it is routed correctly around the storage area before going through the transportation tubing.



8. Dress the fibre away on the splice tray following the safe fibre routes then replace the tray cover making sure not to catch the fibre.



Quality checks

1. Are connectors fully installed?
2. Are the connector tails routed correctly?
3. Is the fed tail for the splitter installed correctly?
4. Make sure that there are no sharp bends on the fibre.
5. Is the feed fibre through the transportation tubing?