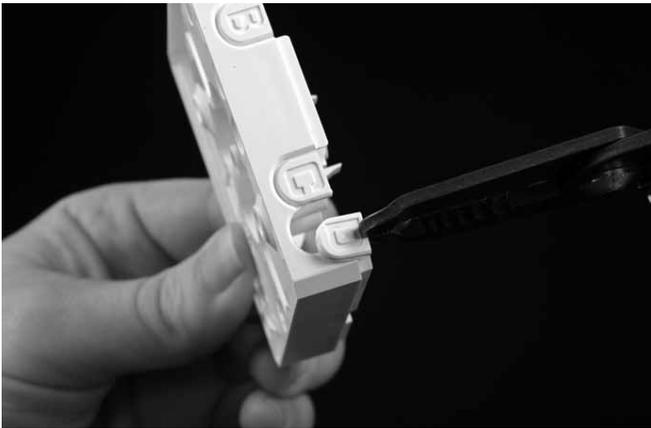


Indoor fiber distribution box - small

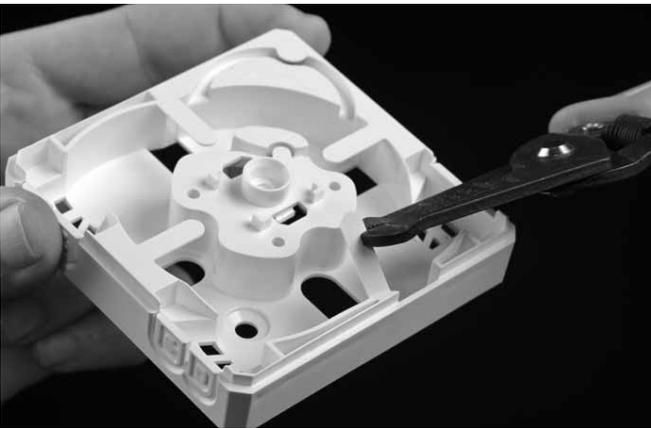
1 Introduction

The IFDB-S is a compact enclosure to break out fibers from an indoor riser cable into individual drops to the living units of a MDU. These drops provide a fiber optic connection to the living units.

2 Preparation of the box



2.1 Open the ports needed.



2.2 Lip can be hinged, to install the cable.



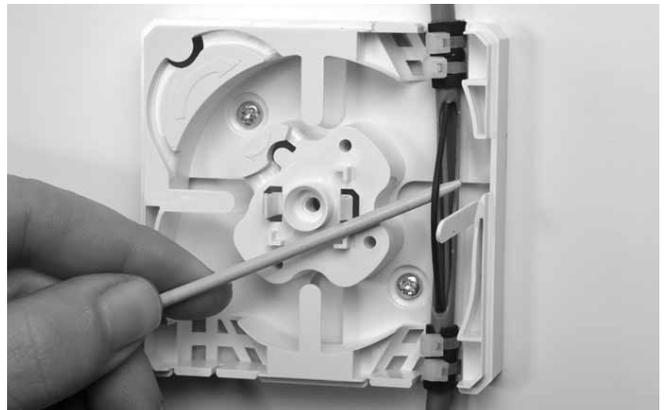
2.3 Secure the box onto the wall (optional).

3 Preparation of the cable

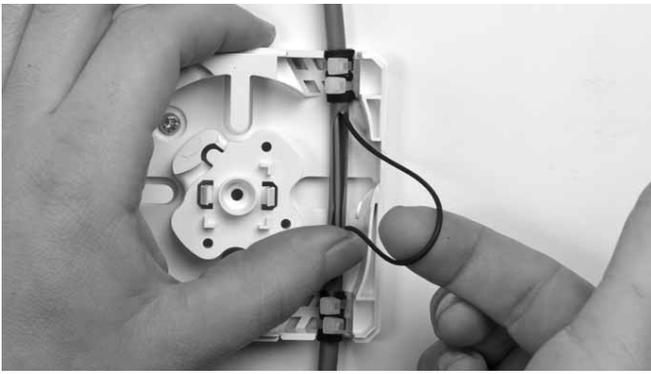


3.1 Make an incision of 55 mm and place foam on both ends.

4 Installation of the cable into the box



4.1 Install the cable in the box. Take out the intended fiber for about 20 mm.



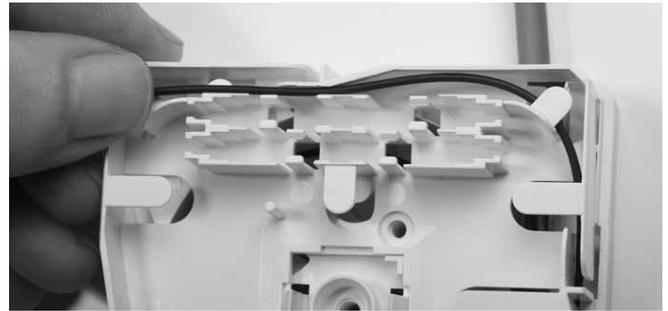
4.2 Pull out the required fibers by using the thumb to control the bending and one finger for pulling .



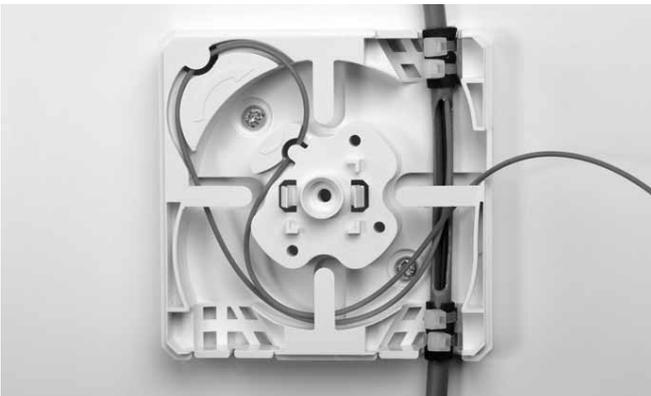
4.6 Route the fiber through the groove.



4.3 Routing the fiber in the base tray up to the splice tray.



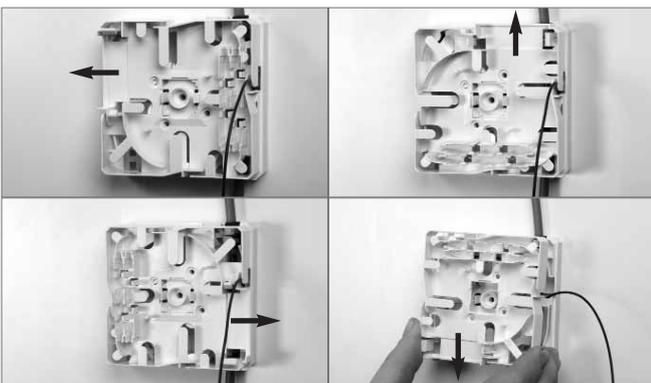
4.7 Route the fiber behind the splice holder.



4.4 In case the fiber comes from the top, follow the routing as shown to go up to the splice tray.



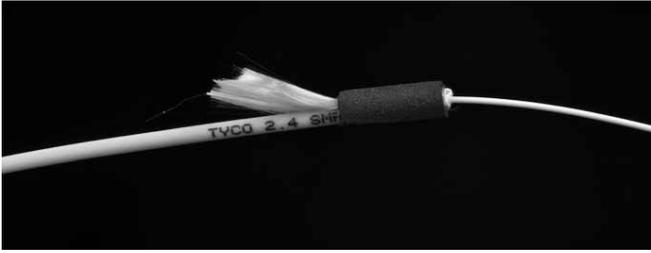
4.8 Strip the fiber half way the splice holder.



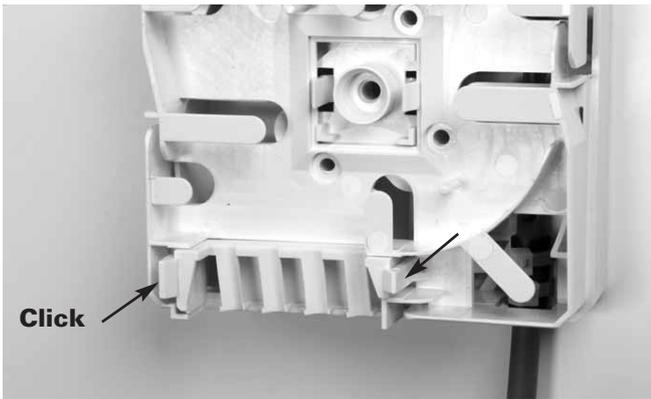
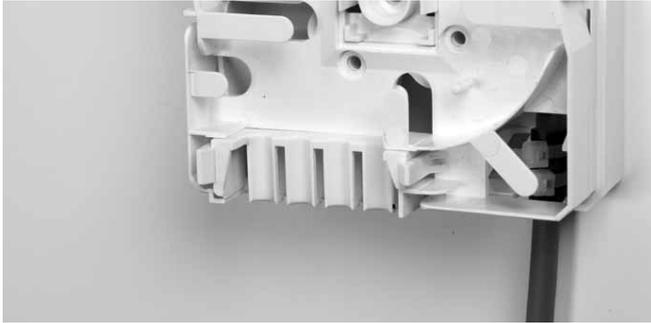
4.5 Install the splice tray.

5 Preparation of the drop cable

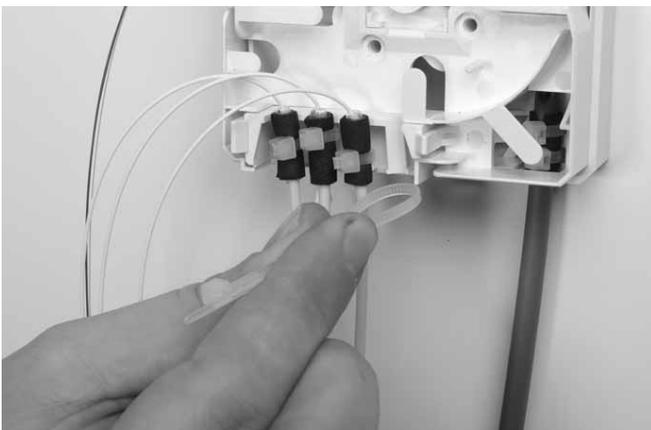
5.1 Drop ports with tie wrap fixation



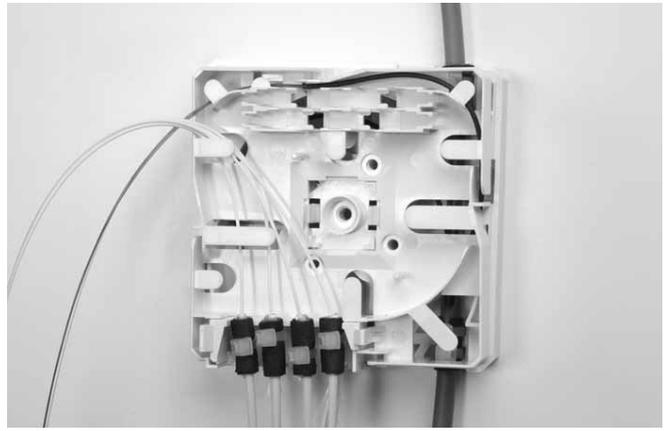
5.1.1 Strip 1 m of the pigtails to 900 micron. Place some Kevlar under the foam, wrap 1 layer of foam around the pigtail at the end of the coating.



5.1.2 Install the pigtail bracket on the splice tray (2 types).

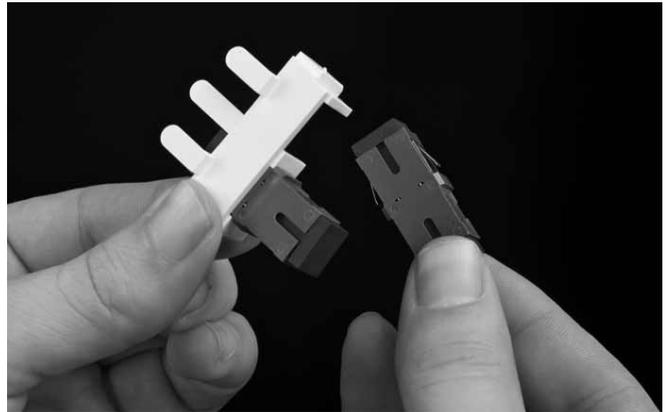


5.1.3 Install the tie-wrap under the lip of the bracket.

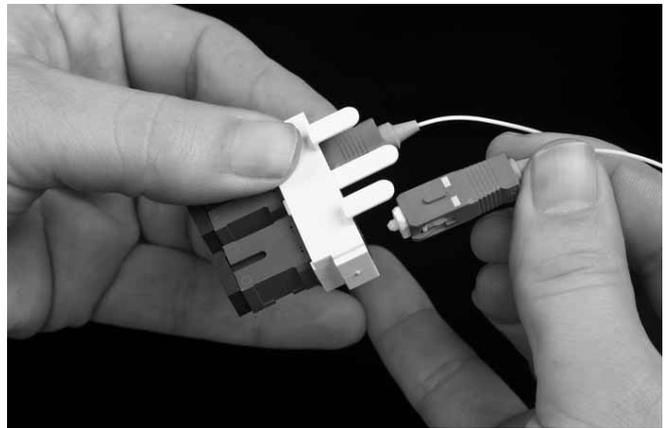


5.1.4 Secure the pigtail onto the bracket.

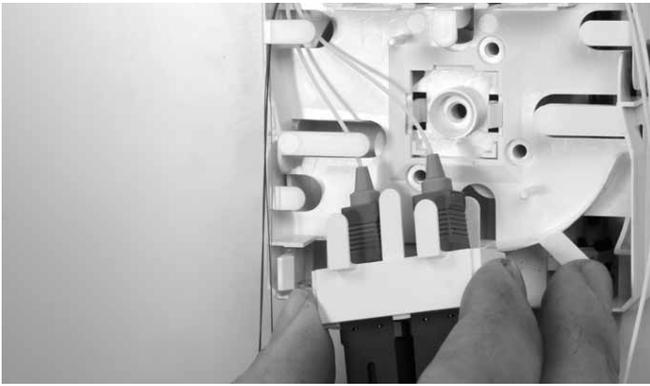
5.2 Drop ports with connectors



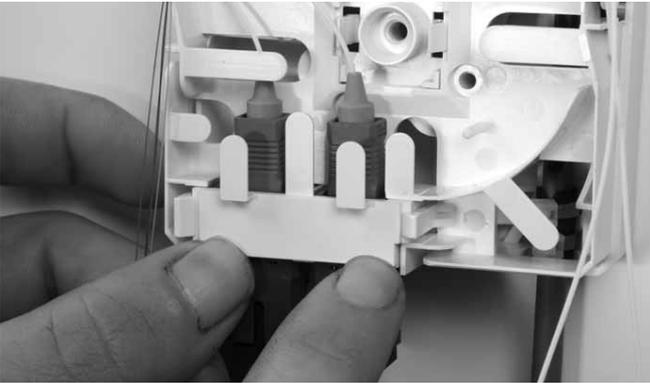
5.2.1 Install the adaptors (SC or LC) into the connector bracket.



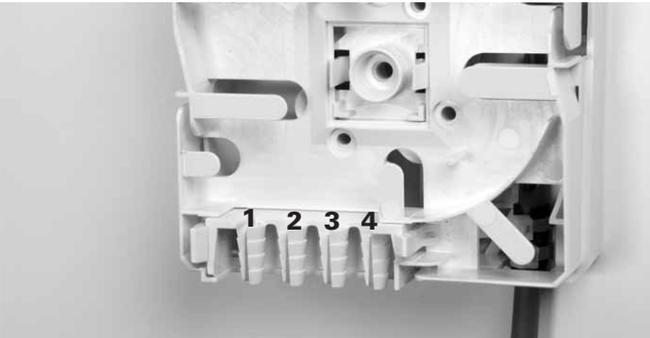
5.2.2 Connect all the 900 micron pigtails day one into the designated adaptor.



5.2.3 Install the bracket onto the splice tray.



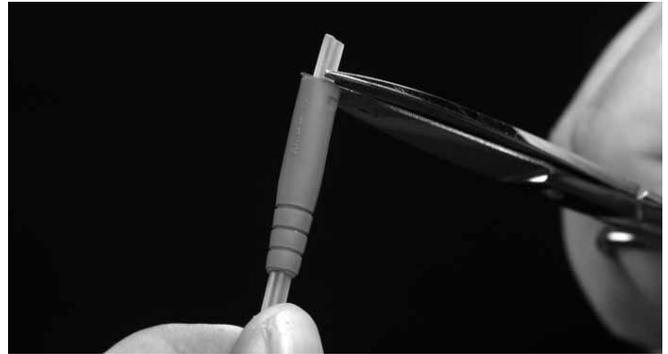
5.3 Drop ports with boot fixation



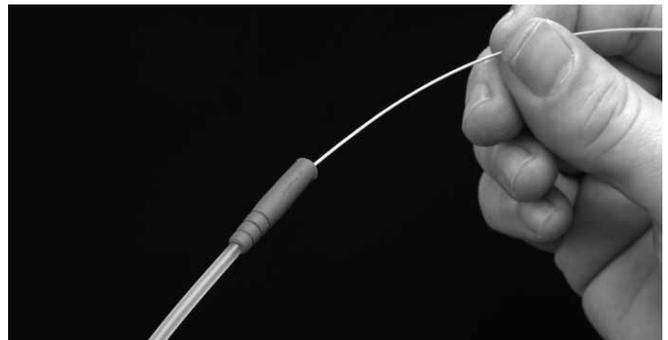
5.3.1 Install the bracket on the splice tray.



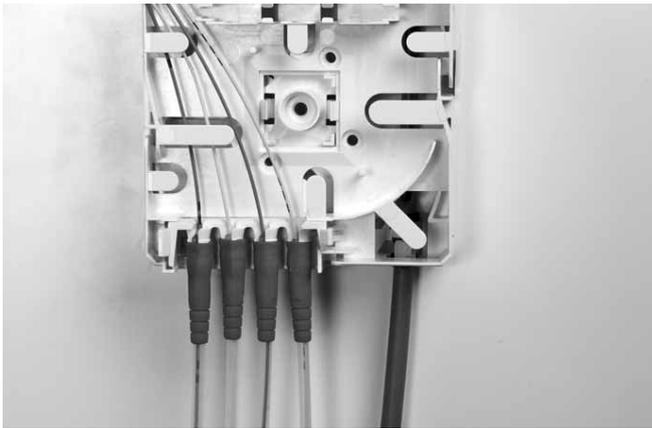
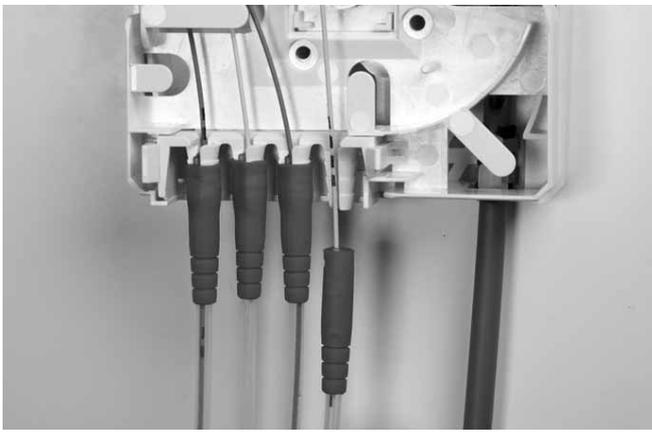
5.3.2 Cut away some part of the boot if needed for pushing through the transportation tube. Cut maximum 2 elements of the boot.



5.3.3 Push the transportation tube trough the boot and cut away at the edge of the boot.



5.3.4 Push the fiber trough the transportation tube.



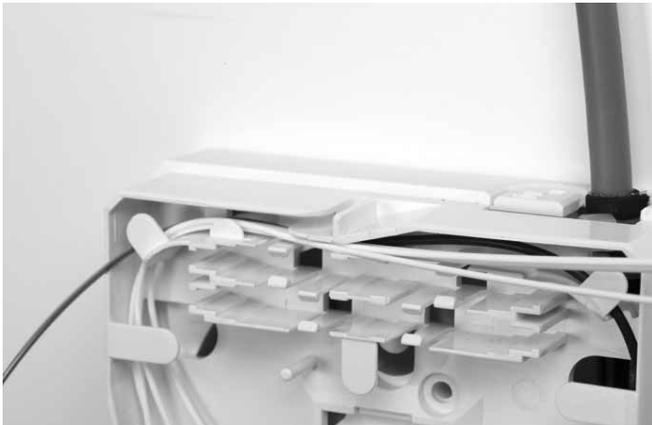
5.3.5 Install the transportation tube with the boot onto the bracket.



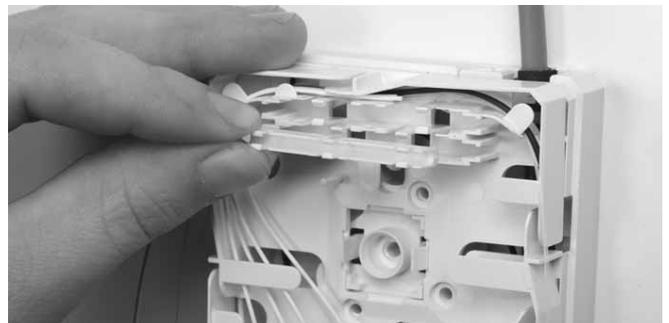
6.2 Recommended to strip the 900 micron to 250 micron half way the splice holder, in case of semi-tight pigtails. In case the pigtail is tight, only 0.8 m can be stored in the storage area.

6 Splicing

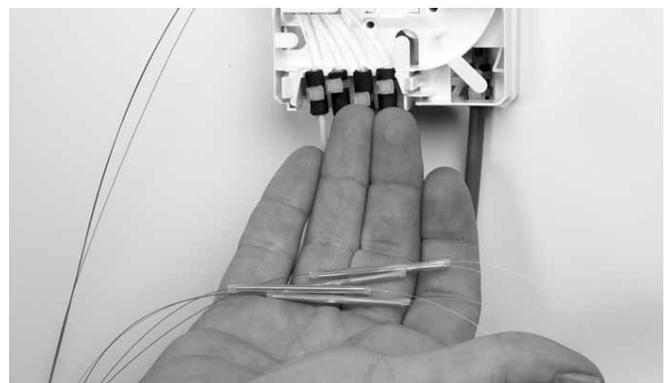
- Fiber cable side: 1.2 m
- Fiber drop cable 900 μm : 0,8 m
- 250 μm = 1,2 m



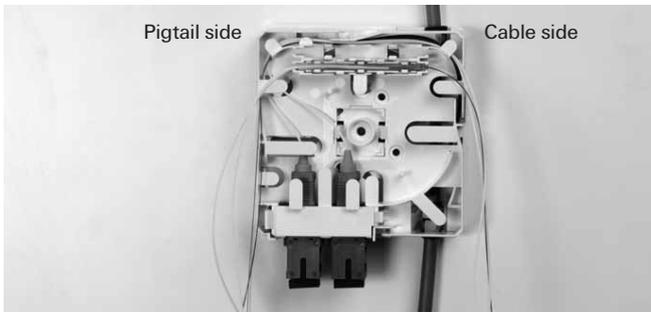
6.1 Route the 900 micron pigtail behind the splice holder.



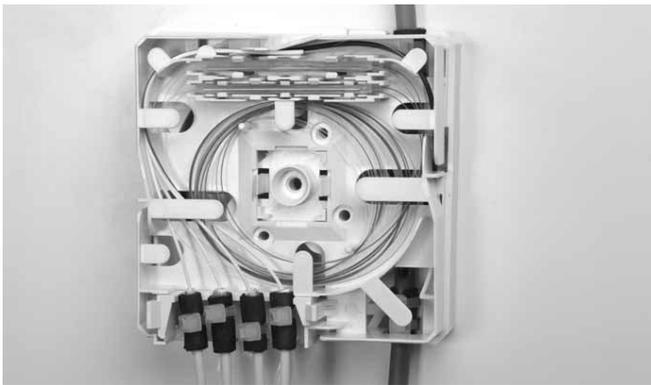
6.3 Insert has to be installed in case of SMOUV/ANT .



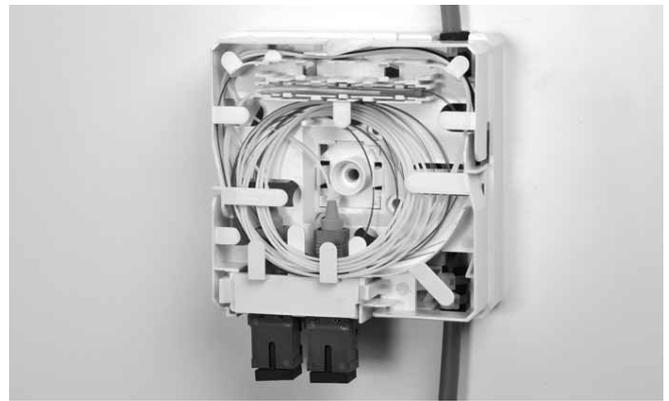
6.4 Splice the fiber cable to the pigtail fibers.



6.5 Install the splice protectors into the splice holder. Check the orientation of cable-pigtail side to avoid crossings.



6.6 No connectors, store the overlength of the pigtails and fiber cable in the storage area.
Recommended: in case of 250 and 900 μm , first store 250 μm .

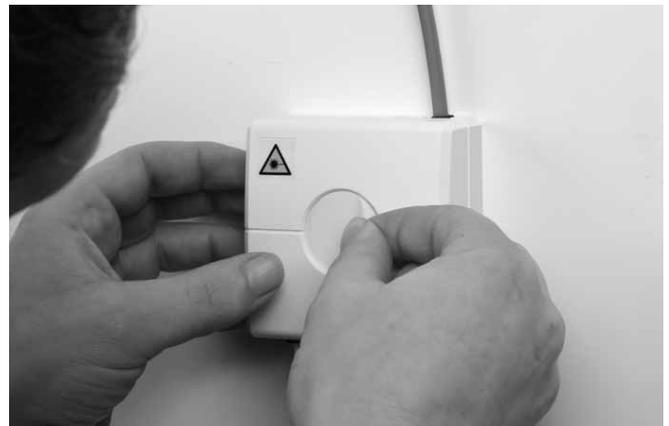


6.7 Connectors, store the overlength of the pigtails (900 micron) and fibers in the storage area, use the lips of the connector bracket. No fibers routed under the connectors.

7 Closing the box



7.1 Close the cover with the screw.



7.2 Optional: label can be installed on top of the screw.

Tyco Electronics Raychem bvba

Diestsesteenweg 692
B-3010 Kessel-Lo, Belgium
Tel.: 32-16-351 011
Fax: 32-16-351 697
www.tycoelectronics.com
www.telecomosp.com

Tyco Electronics and TE logo are trademarks

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, Tyco Electronics makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Tyco Electronics' obligations shall only be as set forth in Tyco Electronics' Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Tyco Electronics products should make their own evaluation to determine the suitability of each such product for the specific application.