COMMSCOPE®

COWO

INSTALLATION INSTRUCTION

TC-1203-IP
Rev A, Apr 2017
www.commscope.com

Customer Wall Outlet

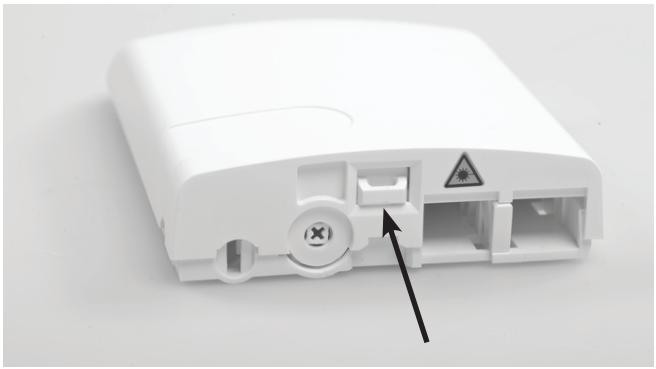
1 General

Customer Wall Outlet 2 Fiber for max. 2 bend reduced fibers, 2 SC-adapters or 1 LC-Duplex adapter.
The box is designed for indoor applications for a maximum of 2 fibers. The maximum fiber length is 1.2 m before and 1.2 m after the splice. Up to 2 SC- or 1 LC-Duplex-Adapter can be inserted. The box is wall mountable or can be mounted onto a wall box with a mounting hole distance of 60 mm.
The box provides cable entrances (Ø 3 - 7 mm) on the left hand, top, bottom and back side of the box. The box can also be loaded with max. 2 pre-assembled cables (drop cable) Ø 3 mm from the bottom or back side. A hinged splice cassette inside, can support max. 2 crimp splices, 2 heat shrinkable splices. The box can be protected with a screw or wire seal.

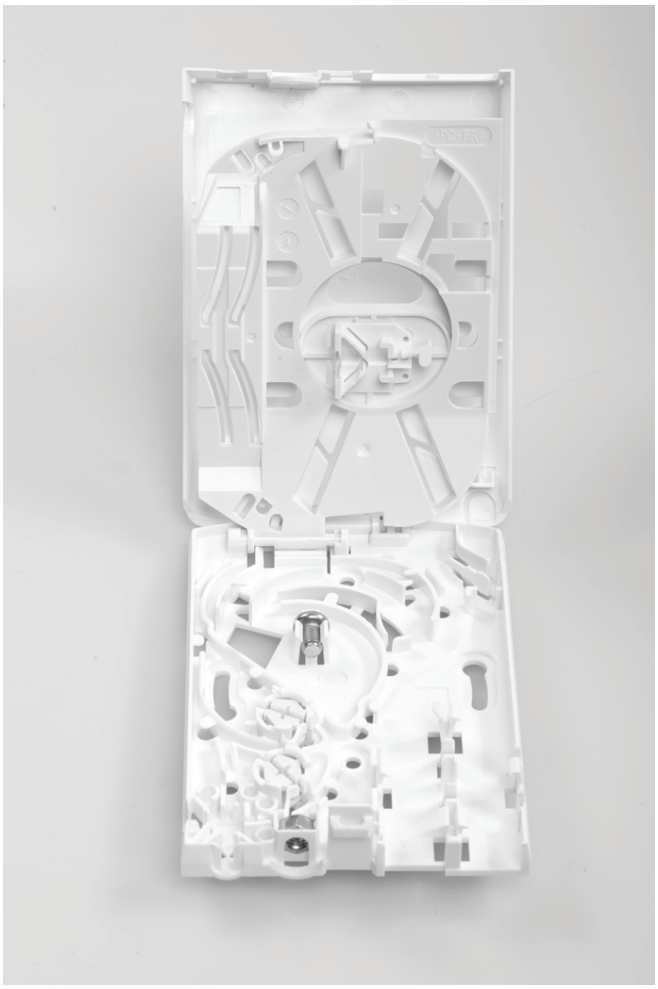
2 Kit content

- 2 X Screw ISO 7049 ST3,5x30-C-H-A2
- 2 x Wall Plug D5-25
- 1x Installation Instruction
- 1x Screw M5 (for securing the box)

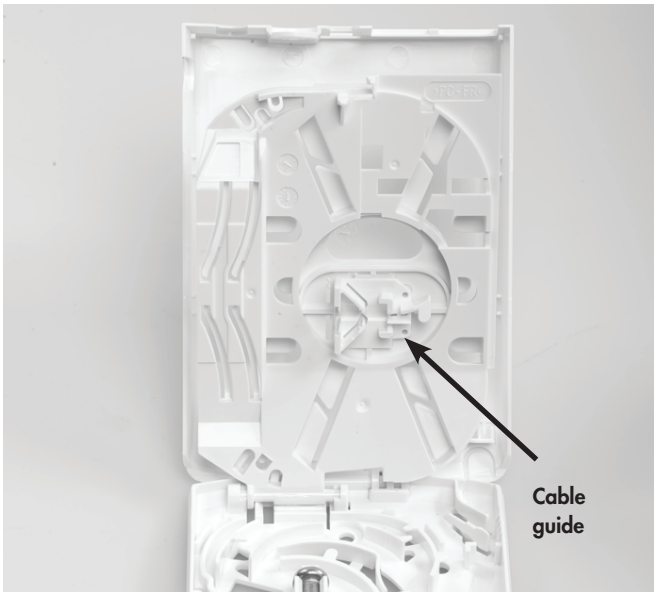
3 Handling of the box

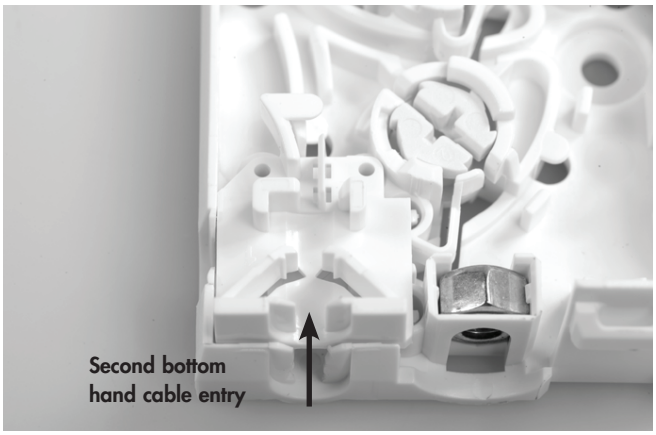


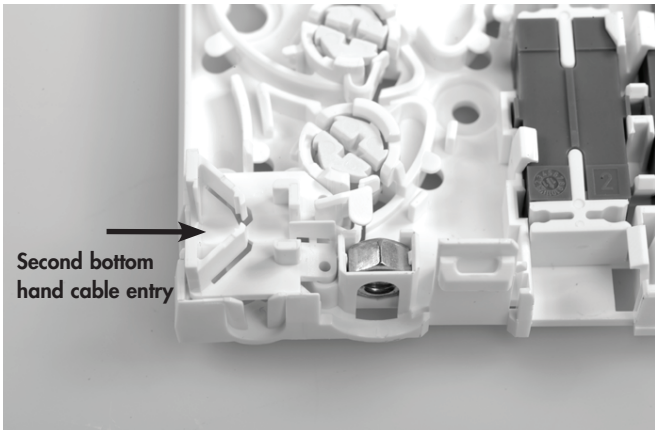
3.1 To open the cover press the engagement hook in the middle of the bottom side of the base (as shown) and pull the cover upwards. A screw driver can be used to assist in opening the cover. At about 120° the cover will lock in place. It is possible to remove the cover completely , by pushing, if needed. To close the cover, push the cover down until in the hook is engaged.



3.2 To open the cassette press the engagement hook in the middle of the bottom side of the base (as shown) and pull the cassette upwards. At about 105° the cassette will lock in place. To close the cassette, push the cassette down until it snaps in.



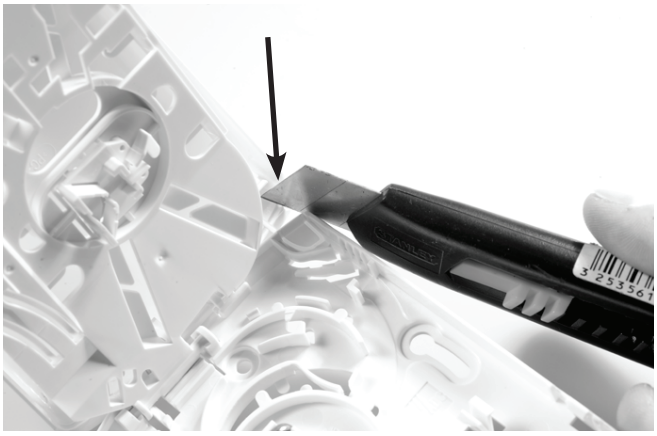


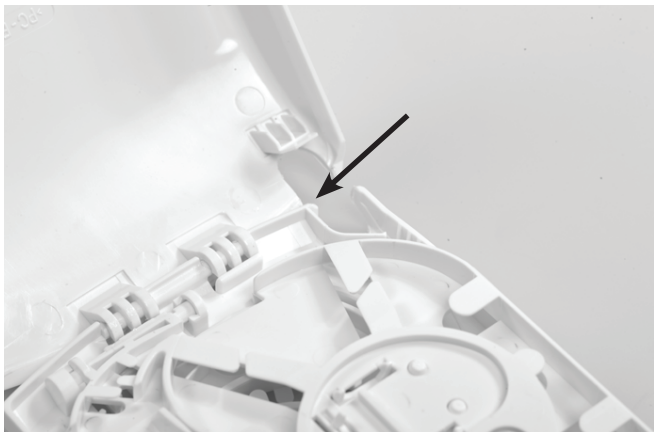


3.3 Insert the Cable Guide for a second Cable. The first cable must already be assembled. Take the cable guide out of its receptacle in the cassette (see above Cable guide for second cable). Position the cable guide according to the intended cable entry and push the cable guide into place by aligning the 2 domes with the relating holes in the base.

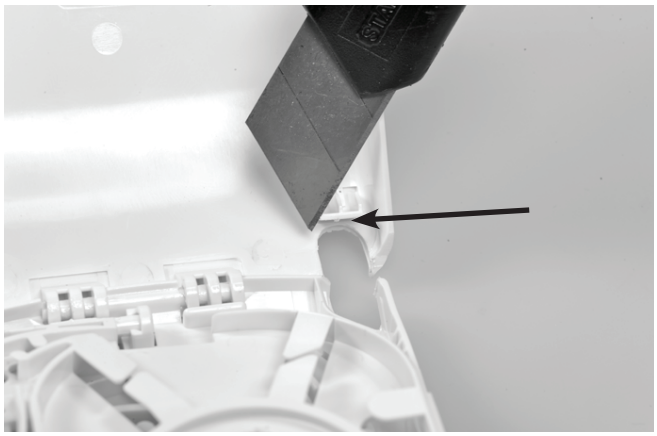
3.4 Cable Entries

Top cable entry



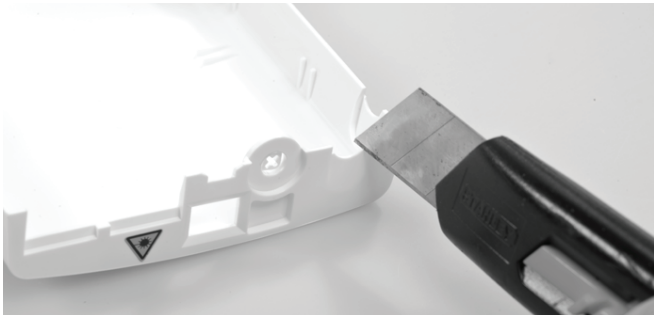


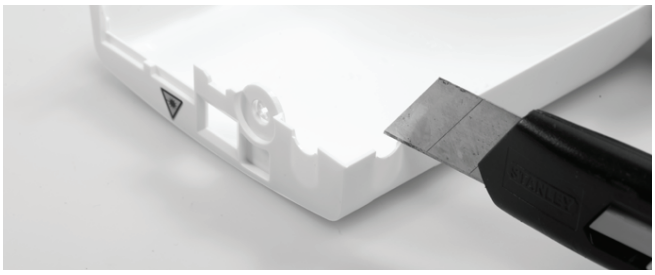
3.4.1. Break out the top cable entry (cable Ø 3 – 7 mm).



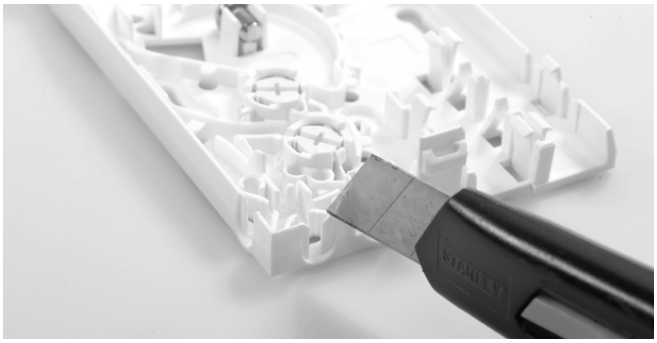
3.4.2 In case of cable Ø > 4.5 mm shorten the cable down holder by breaking off the lip above the ribs.

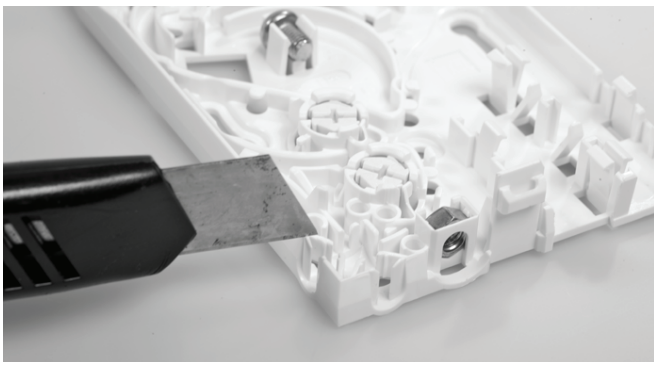
2 cables installed

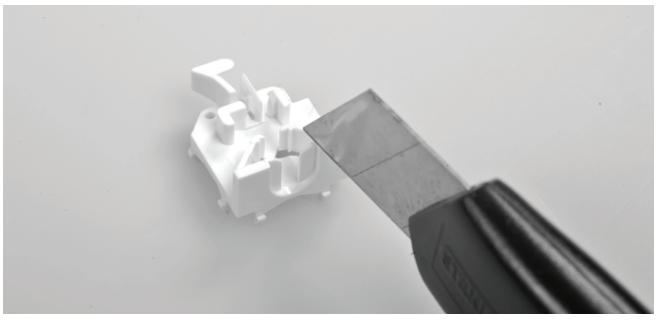




3.4.3 Open up the cable entry if 2 cables will be (cable Ø 3 – 7 mm).

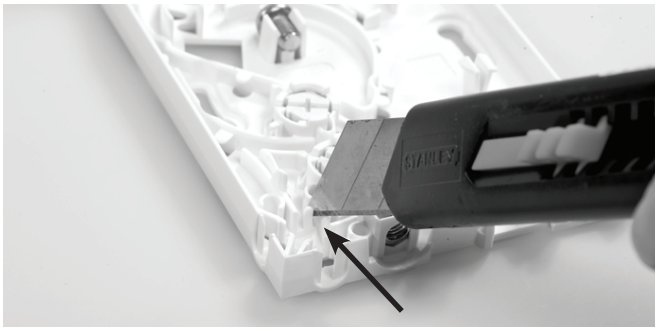


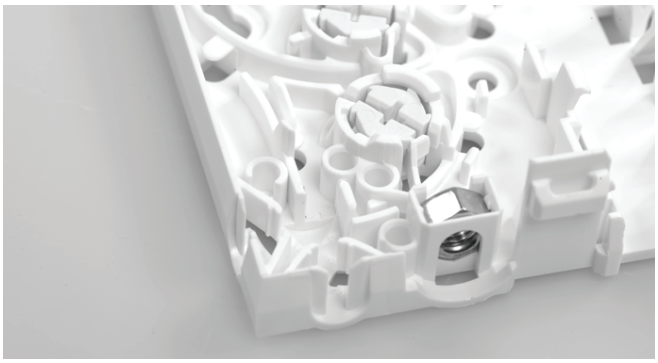


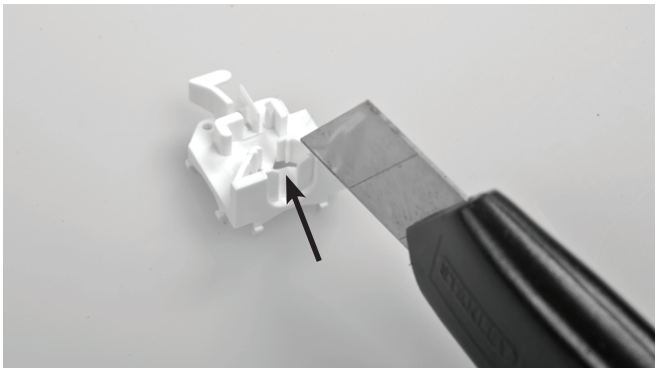


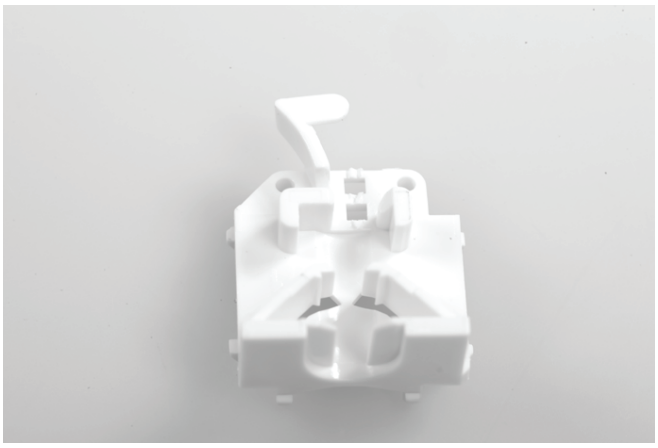
3.4.4. Open up the cable entries in vase and cable guide if cable diameters > Ø 5mm.

Pre-assembled cable (drop cable)

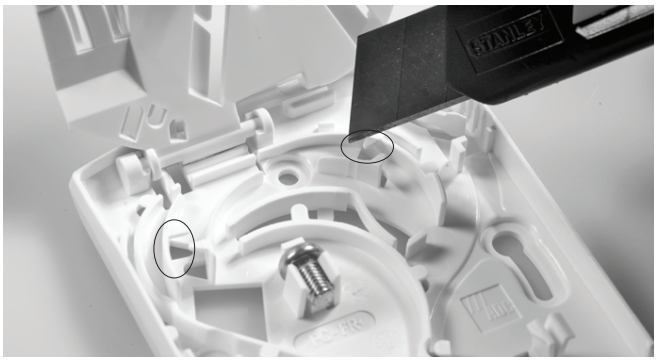




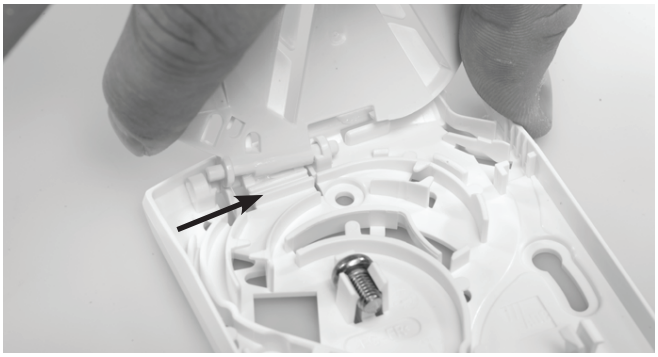




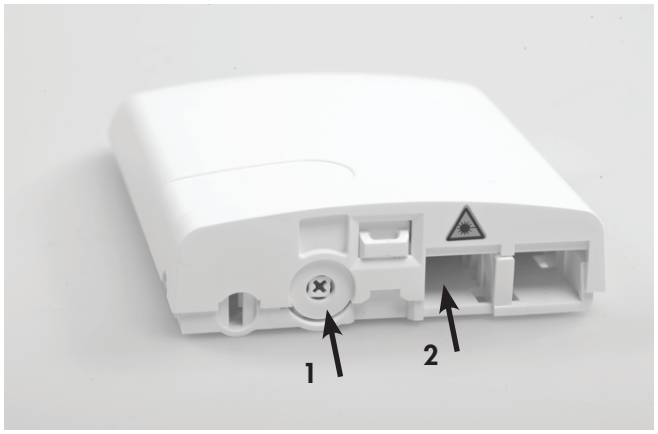
3.4.5 Remove the small rib in the base if required in the strain relief for the second cable as well.



3.4.6 If there are 2 cables needed, shorten the down holders in the body, for easier handling of the cable.



3.4.7 For pre-assembled cables the splice cassette is not required. Remove the cassette by pushing the hook in the base downwards and slide the cassette to the right. Then the cassette can be easily removed by pulling it upwards.



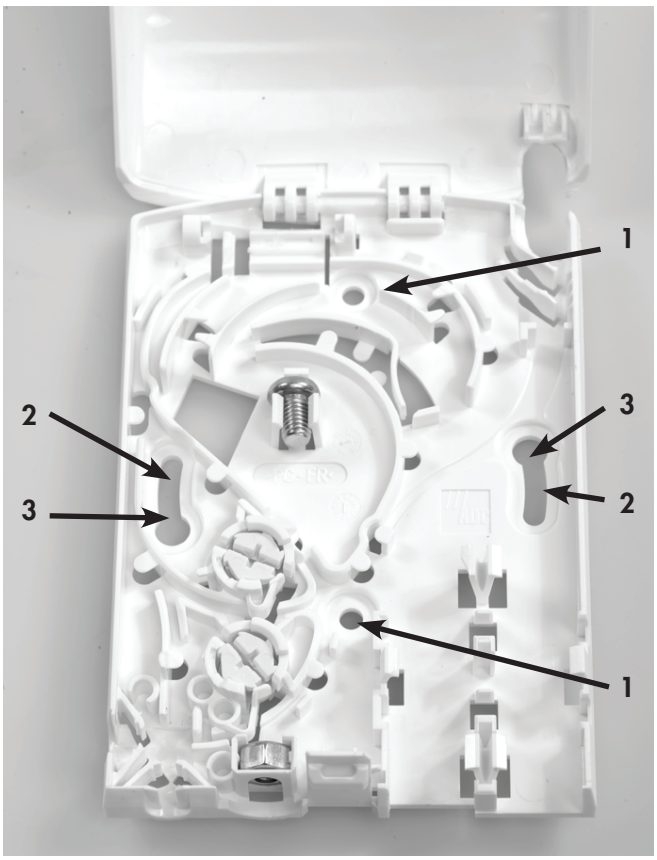
3.5 Break out the second Adapter Port (2) if a second SC-adapter will be used. If a screw is used for securing the box from unauthorized access, break out the screw hole (1) in the cover with a cross-head screwdriver. Insert the screwdriver into the cross shaped slot and twist it until the hole is free.

3.6 Remove all burrs and sharp edges from the cable entries and adapter port with a sharp knife (e.g. carpet cutter).

4 Wall mounting

4.1 Mark the hole position on the wall by using the two vertical holes of the base as a template, drill the required holes Ø 5 mm, 35 mm deep, insert the wall plugs and fasten the box with the screws provided.

4.2 Mounting onto a flush-mounted Wall Box, mounting hole distance 60 mm. Use the horizontal holes for a flush-mounted wall box. Loosen the screws of the wall box until the screw heads fit under the vertical oblong hole. Positioned the box turn it around until it is position is vertical. Tighten the screws.

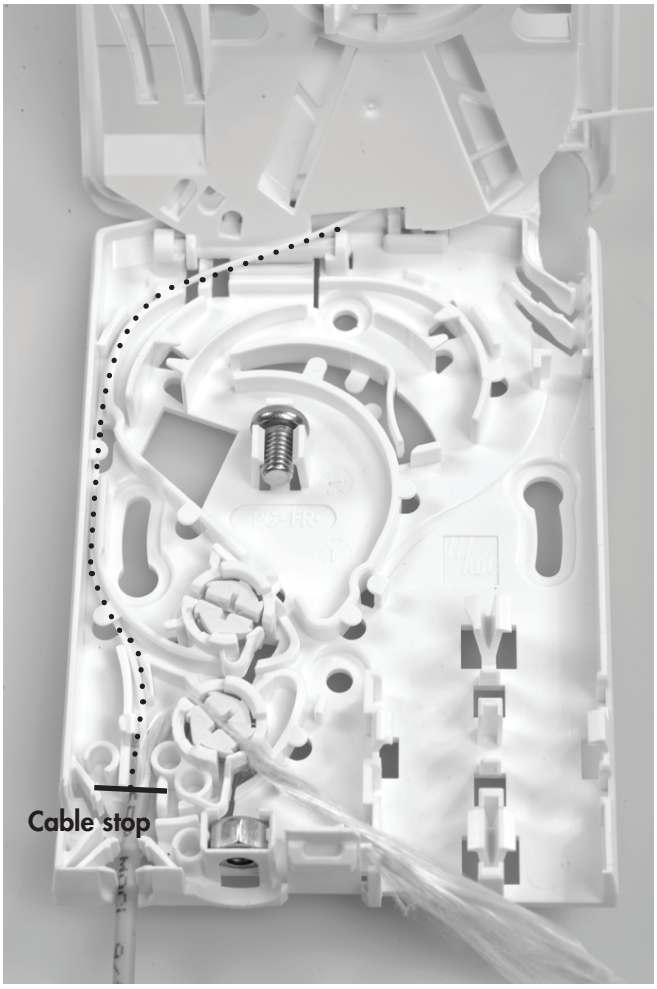


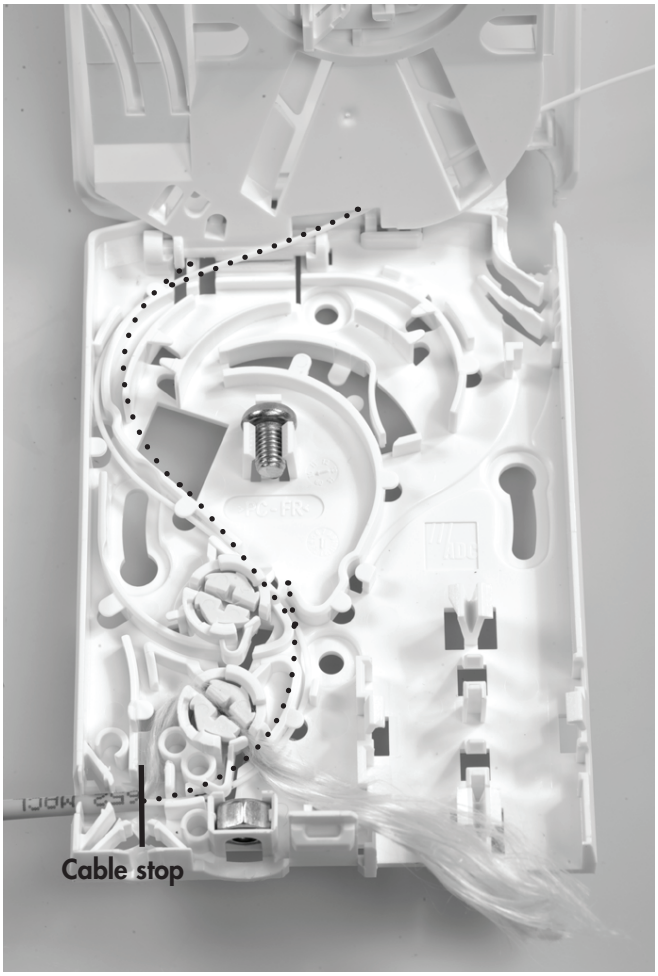
4.3 Vertical wall mounting holes (1). Horizontal wall mounting holes (2). Screw heads of the wall box can be guided through this hole (3).

5 Fiber Management

5.1 Strip 1.4 m of the cable sheath and shorten the Aramid-Fibers to an approximate lengths of 125 mm.

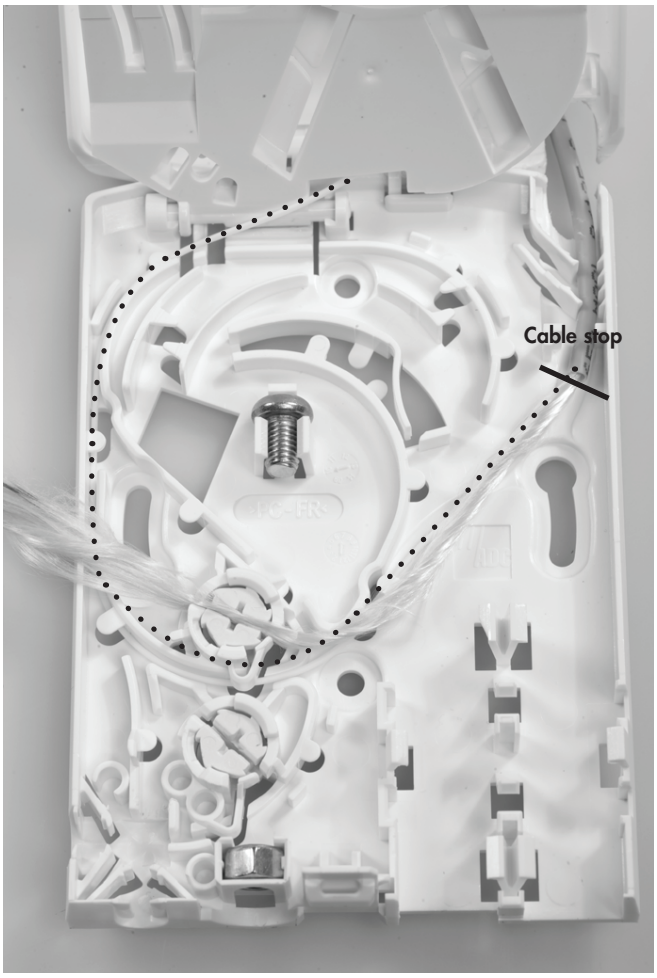
A Fiber management for bottom and left side cable ???





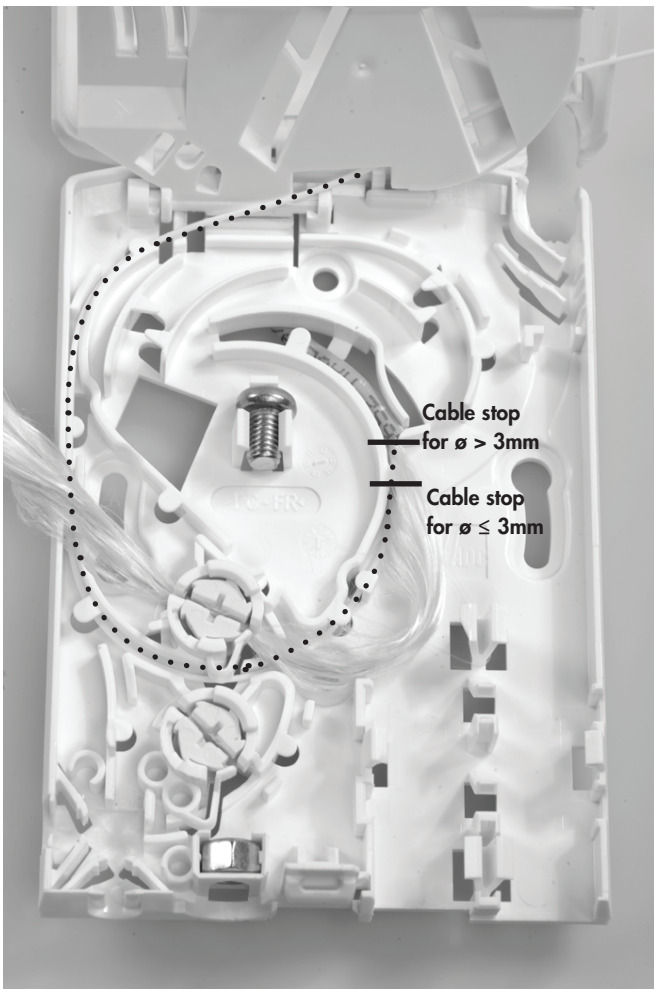
5.2 vPush the cable (Ø 3 - 7 mm) down aligning the end of the cable sheath with the cable stop at the bottom of the box. The fibers coming from the bottom entry of the box are routed to the splice cassette through a channel (as shown). Guide the fibers to the right passing the hinge of the cassette. Close the splice cassette and after splicing loop the fibers into the cassette. Secure the cable using the strain relief.

B Fiber management top cable entry



5.3 Push the cable (∅ 3 - 7 mm) down aligning the end of the cable sheath with the cable stop. The fibers are guided from top entry inside a channel from the right hand side to the left hand side. When passing the hinge of the cassette these fibers need to be positioned underneath the outgoing fibers of the cassette (if existent) and are routed into the splice cassette. Close the splice cassette and loop the fibers inside the splice cassette once splicing is done. Secure the cable using the strain relief.

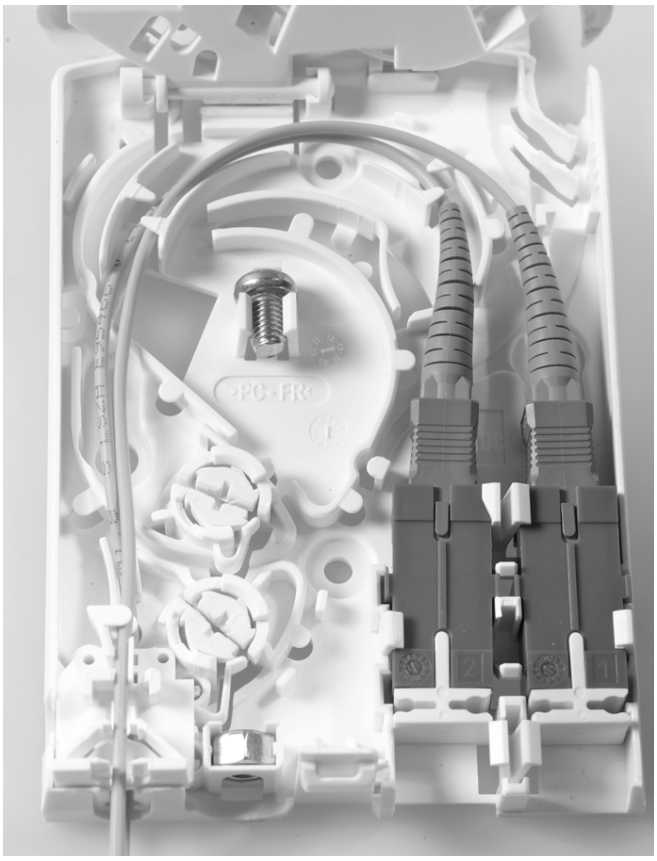
C Fiber management rear cable entry



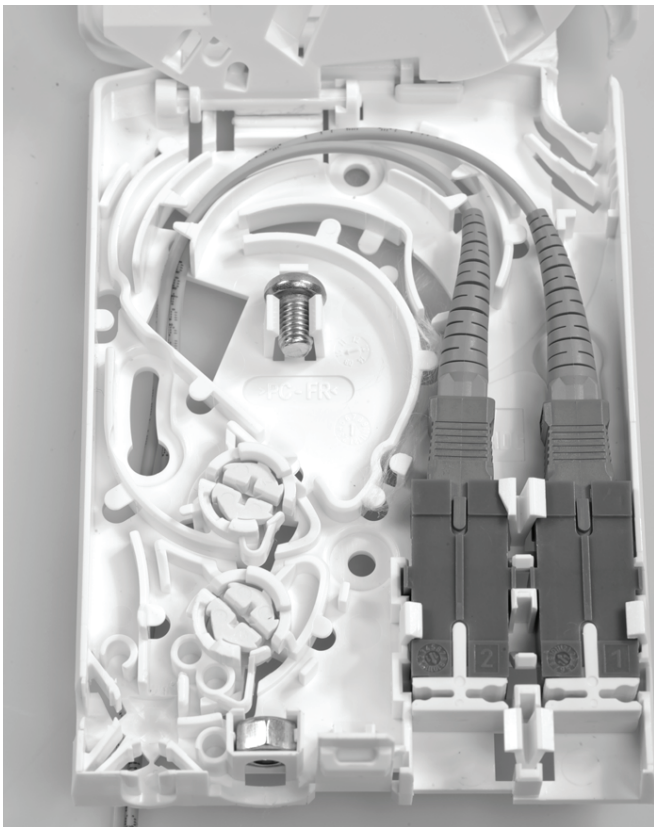
5.4 Observe the minimum bend radius for the cable when it is outside the wall box. Excess length should wound up behind the box in a loop. For cables ∅ ≤ 3 mm strip the cable sheath to a length that the cable sheath enters the fiber box till the first down holder. For cables ∅ > 3 mm strip the cable sheath to a length that it cannot enter the fiber box. Feed the blank fibers or with their 0.9 mm coating into the box. Using the channels provided, guide the fibers to the splice cassette, passing the hinge of the cassette. After splicing, loop the fibers inside the cassette. Secure the cable by using the strain relief.

D Cable management pre-assembled cable (drop cable)

5.5 Up to 2 SC-Adapter or 1 LC-Adapter can be positioned at the front face or inside the box.



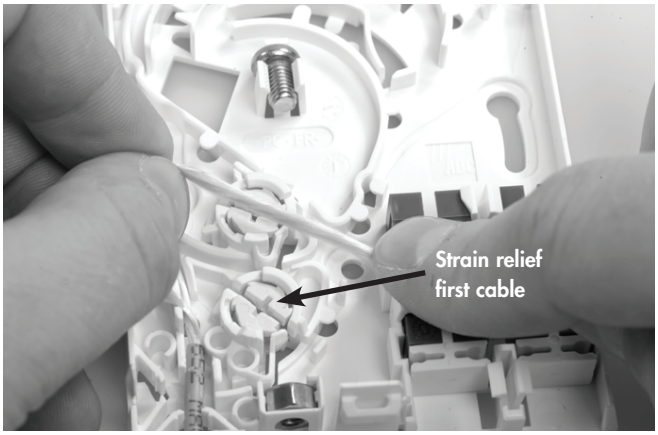
5.6 Bottom drop cable entry.

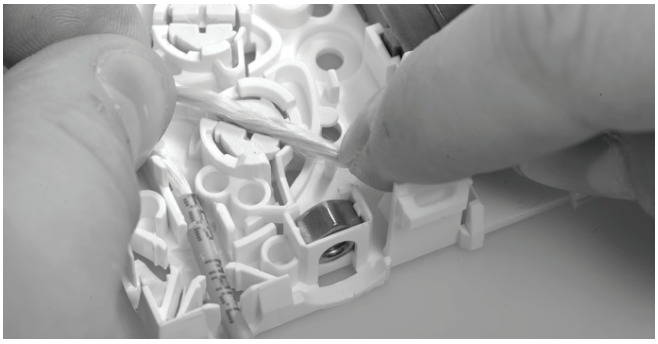


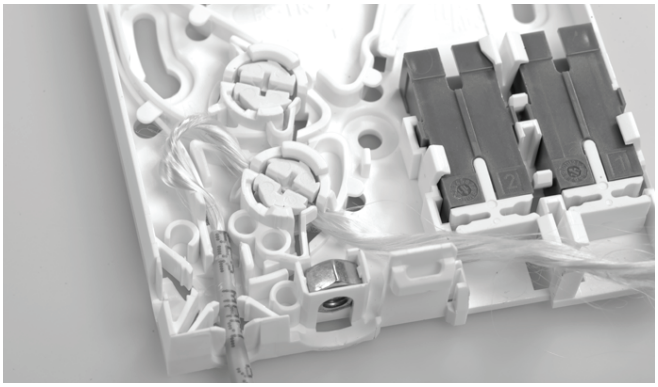
5.7 Rear drop cable entry.

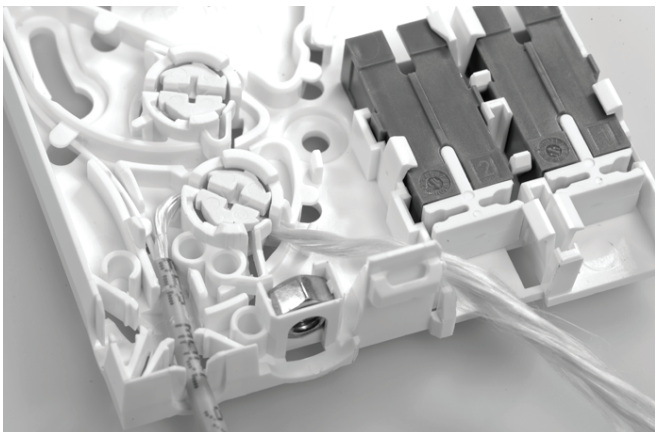
6 Strain relief for Aramid-Fibers

A Strain relief first cable (75 mm)



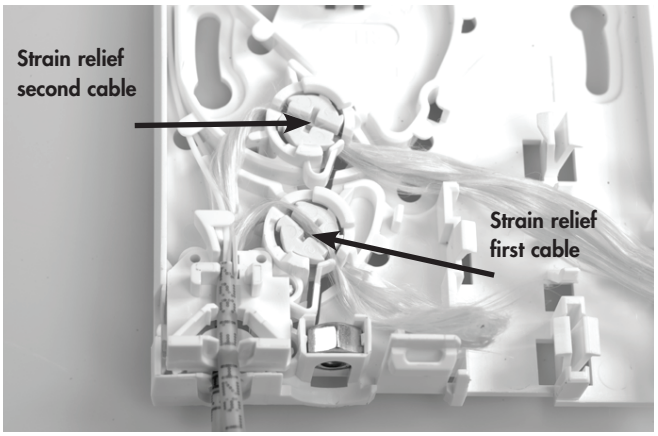


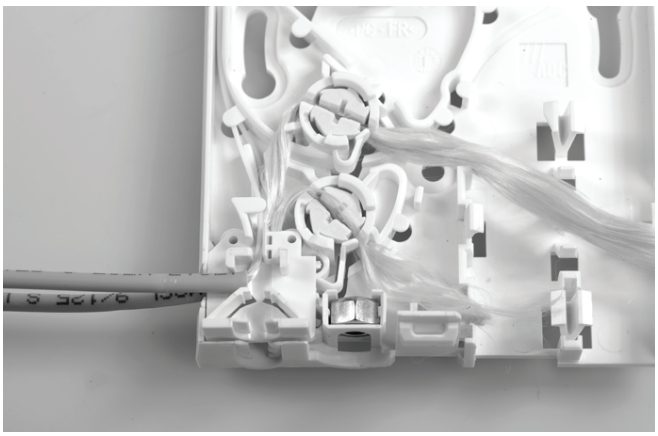




6.1 Cut the Aramid-Fibers to length as shown above. Put the Aramid-Fibers through the slot of the strain relief as shown and push the fibers on both sides of the strain relief down. Ensure that all fibers are underneath the slot. The length of Aramid-Fibers on the left and right hand side of the strain relief should be about the same. Then turn the strain relief clockwise using a cross-head screwdriver until the Aramid-Fibers are under tension and properly wound up.

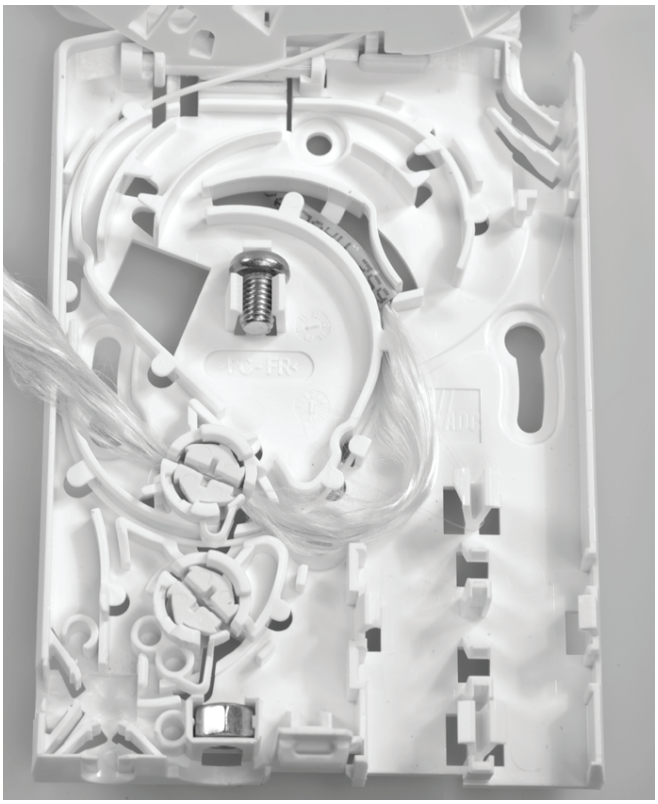
B Strain relief second cable (90 mm)





6.2 In case of strain relief second cable repeat the steps from point 6.1.

C Strain relief backside Cable Entry (100mm)

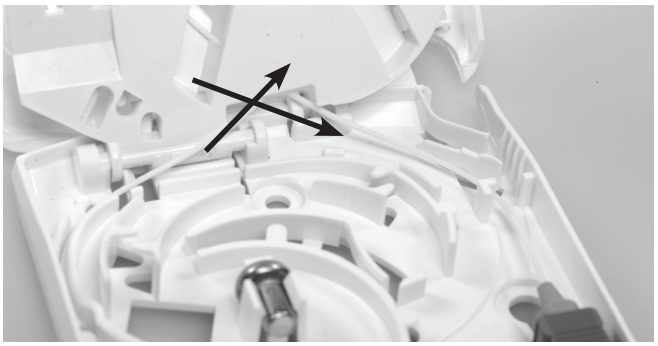


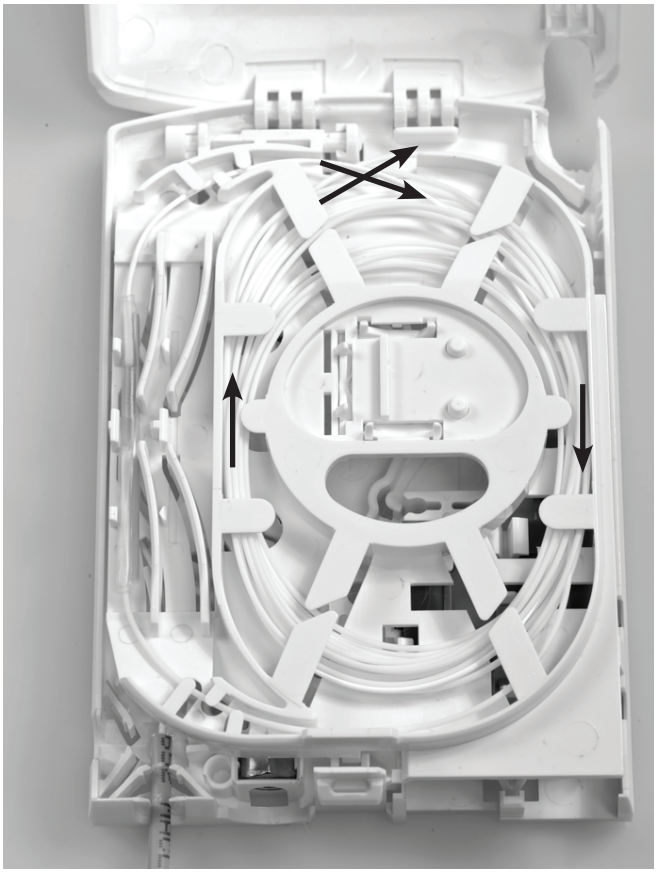
5.3 In case of strain relief backside cable entry repeat the steps from point 7.1.

D Strain relief top cable entry (125mm)

6.4 In case of strain relief top cable entry repeat the steps from point 7.1.v

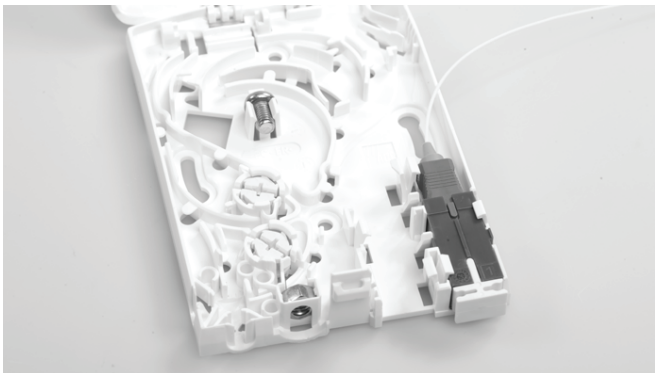
7 Fiber management inside splice cassette

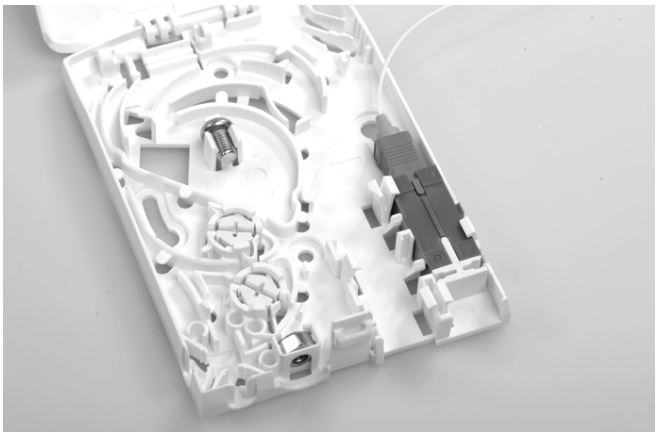




7.1 The spare length of the fibers coming from the left side of the base (1.2 m) is guided to the right side of the cassette and wound up in here in a clockwise direction. The ends of the fibers are guided to the splice holders on the left side of the cassette for splicing. The outgoing fibers with a maximum spare length of 1.2 m are looped clockwise as well and are leaving the cassette to the right. With this set-up the cassette can be rotated upwards again and the fiber management can be continued in the base of the box.

8 Adapter positions





8.1 Two positions of adapter are possible. In the front position the plug can be accessed with the box closed. At the inside position the plug cannot be accessed when the box is closed and/or sealed. The box needs to be opened first. When the box is sealed, this set-up can prevent unauthorized access to the plug.

NOTE:
When installing a new adapter, make sure that the attached spring is removed.

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