OFDC-B8G
OUTDOOR FIBER DISTRIBUTION CLOSURE

Contents

1   General product information

The OFDC-B8G is the environmentally sealed enclosure for fiber management system that provides the function of splicing (72 splices and for repair up to 96) / patching and passive component integration in the external network.
The closure is sealed with gel for longitudinal seal and wrap around gel block for cable sealing (IP68) 2m water head.
The organizer is fully removable from the closure body and the addition of customers is transient free.

Cable diameters:		
	2 main cables:	5-15 mm
	2 branch cables:	4-11 mm
	8/16 drop cables:	0-5.5 mm

2   Product image

3 Warnings and caution

3.1 Fiber optic cables may be damaged if bent or curved to a radius that is less than the recommended minimum bend radius. Always observe the recommended bend radius limit when installing fiber optic cables and patch cords.

3.2 Exposure to laser radiation can seriously damage the retina of the eye. Do not look into the ends of any optical fiber. Do not assume the laser power is turned off or that the fiber is disconnected at the other end.

4 Kit content

The kit content is different for the patch application and splice application:

4.1 SPLICE APPLICATION (72 splices)

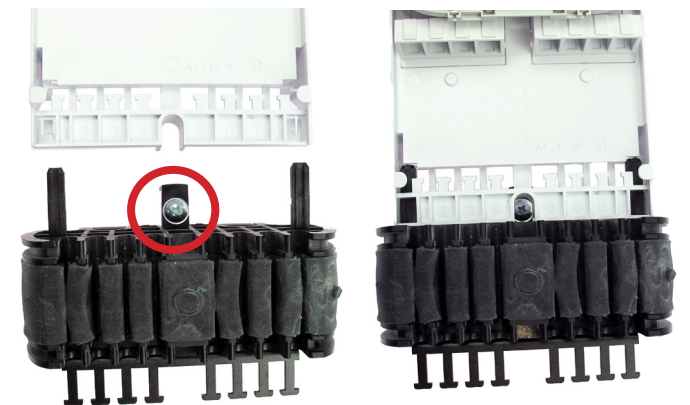## 4.2 PATCH APPLICATION (72 splices + 8/16 Patch points)

5 Closure preparation

5.1 Open the closure by lifting the latches using a screw driver.
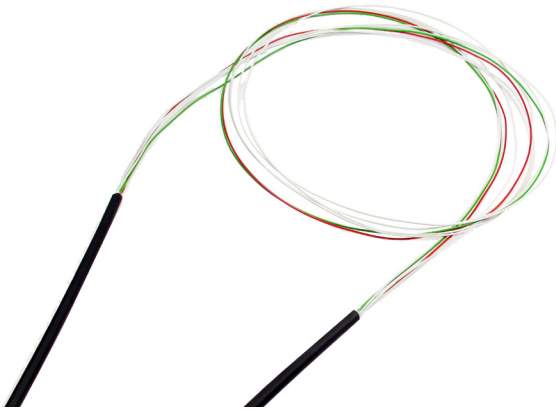

5.2 Install the 2 screws (1-2 turns) and the wedge (If needed).
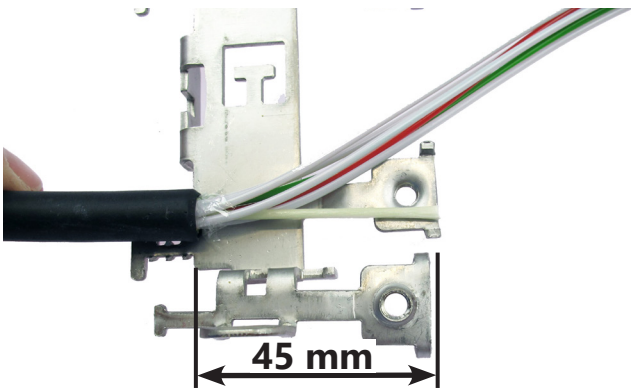

5.3 Slide the gel block on to the organizer. Verify the correct orientation: Head of the screw facing upwards.

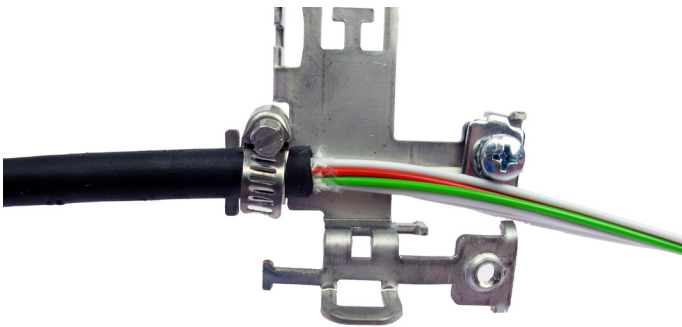# 6 Feeder cable installation (5-15 mm)
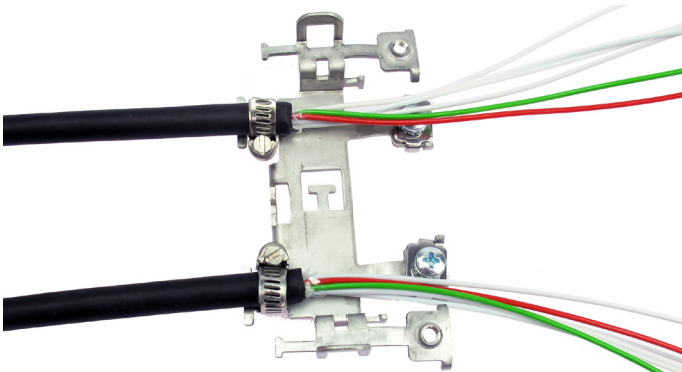
6.1 Feeder cable preparation

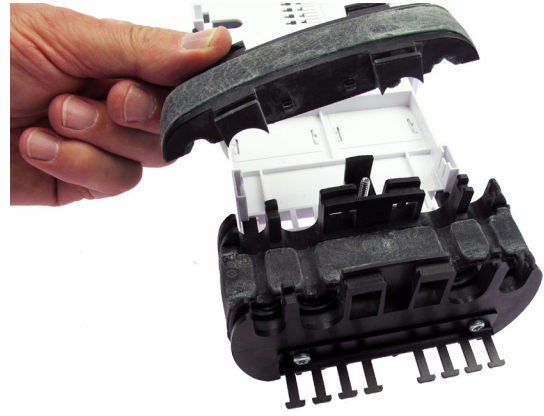6.1.1 Make a window cut of 2m.

45 mm

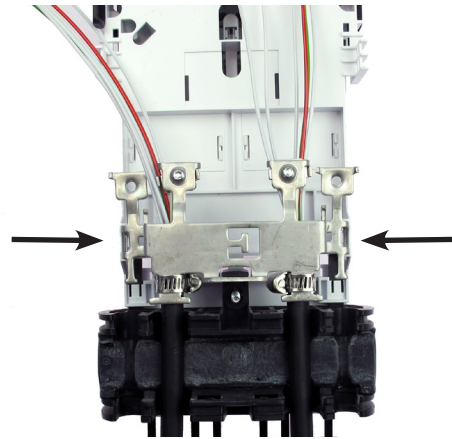6.1.2 Cut the strength members at 45 mm from the jacket end.

6.1.3 Install the cables to the metal bracket as shown. Secure the cable with a hose clamps at the cable jacket (use a piece of foam if the cable has a soft jacket). Secure the strength members or aramid yarn with the metal plate and screw.
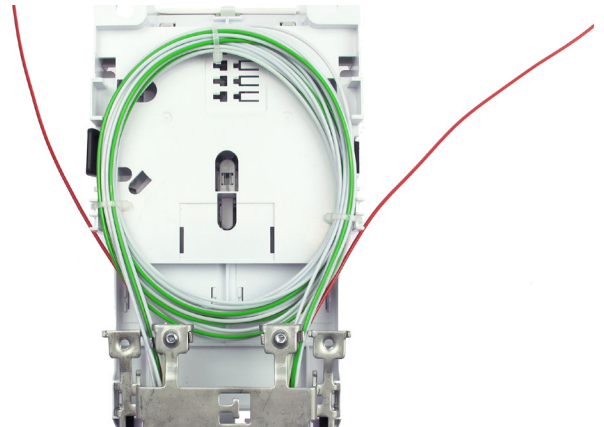

6.2 Feeder cable installation

6.2.1 Open the gel block.

6.2.2 Install the assembly to the organizer (snap fit at both sides). Make sure that the fiber bundles are free.
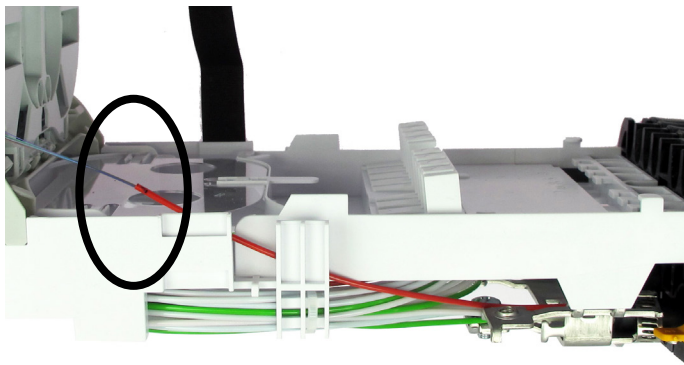
6.3 Feeder cable fiber routing

6.3.1 Take out the fiber tubes to be used and store the remaining loops as shown. (Secure with cable ties)
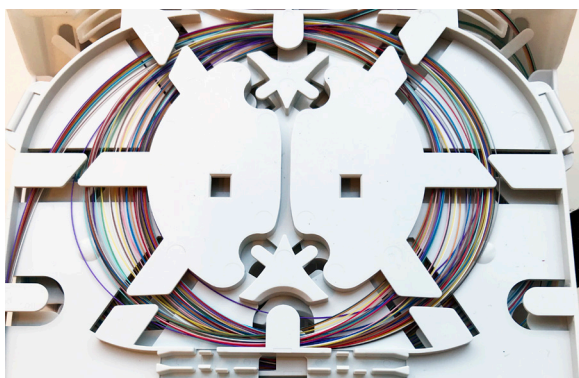

6.3.2 Install blind plugs in the unused port(s) and close the gel block with the top gel part.
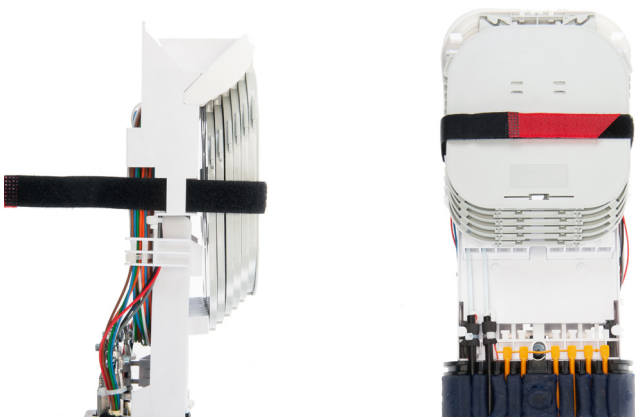
6.3.3   Strip the tube at 14 cm from the jacket end and clean the fibers before routing them to the tray.

7   Install branch cable (4-11 mm)

7.3.1   Remove the jacket over a length of 1 m (or 2 m if window cut). Prepare the cable jacket with a piece of foam and secure it with cable ties as shown.

7.3.2   Secure the strength member (35 mm) or aramid yarn with the metal plate and screw.

7.3.3   Route the fiber bundle and fibers the same way as for the main cable. (See section 6.3)

6.3.4   Secure the loose tube with 2 cable ties as shown.

8   Install organizer in housing

8.1   Install the organizer in the housing as shown. Bring in under an angle of 45°.

6.3.5   Store the fibers on the tray. Changing direction is possible with figure 8.

8.2   Tighten the 2 top screws. (when organizer needs to be removed release the 2 screws)

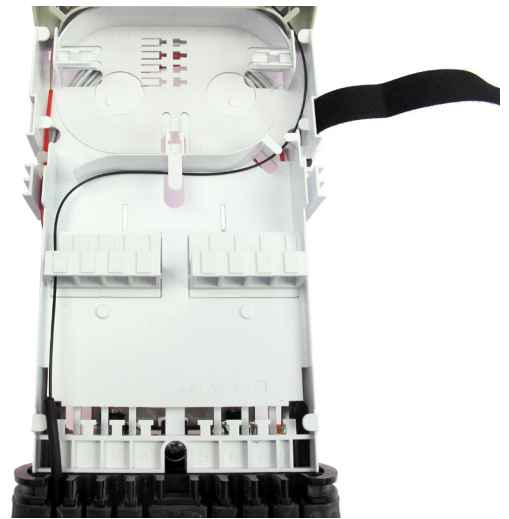

6.3.6   Secure the trays as shown.
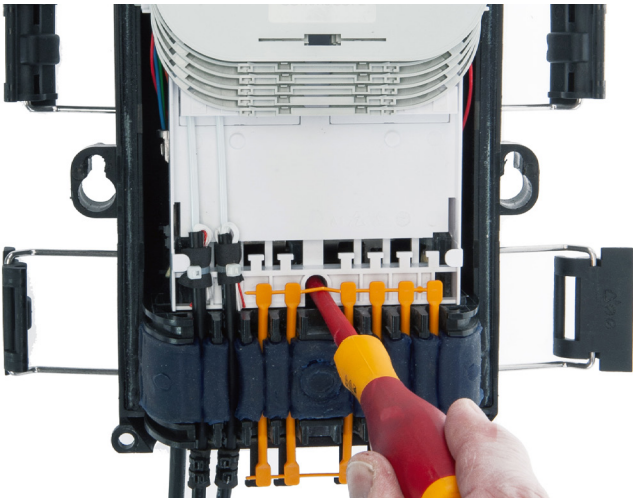
8.3 Tighten the bottom screw and install blind plugs in the unused ports.
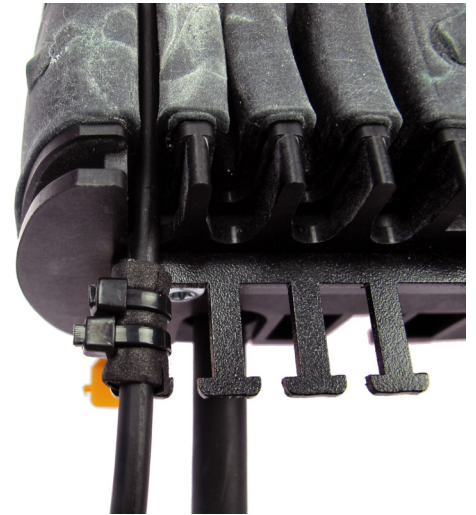
9.1.2 Install a wrap of foam at 80 mm from the jacket end and secure the cable with 2 cable ties.

8.4 Close the 6 hinges using a screw driver.

9 Install Drop cables (spliced)
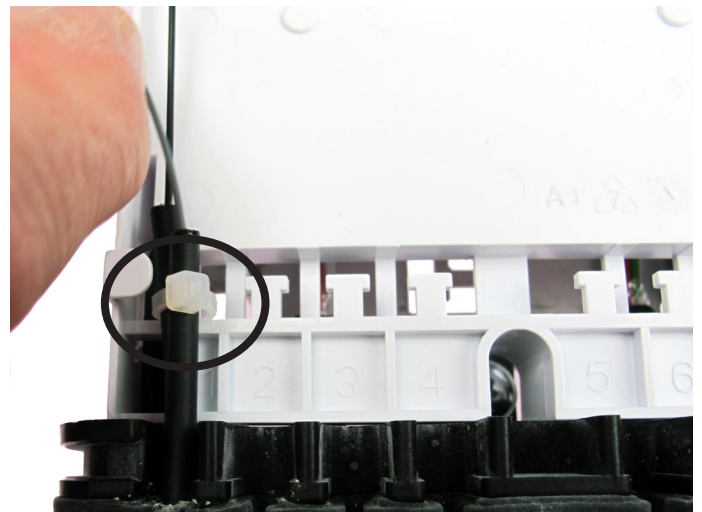
9.1 Installing 1 cable per drop port (0-5.5 mm)

9.1.3 Route the fiber(s) bundle to splice tray trough the adapter holder.
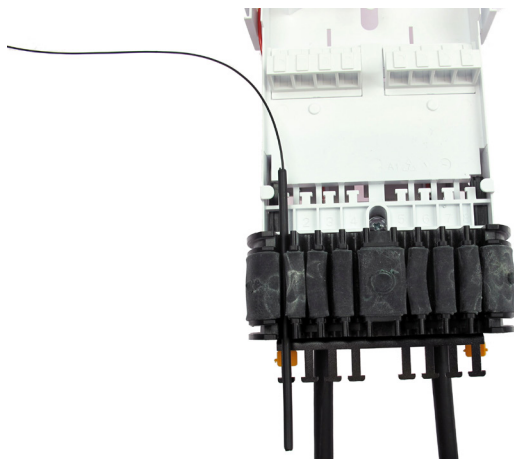
9.1.1 Remove the cable jacket over a length of 1 m.

9.1.4 Secure the cable to the T-shape with a cable tie.
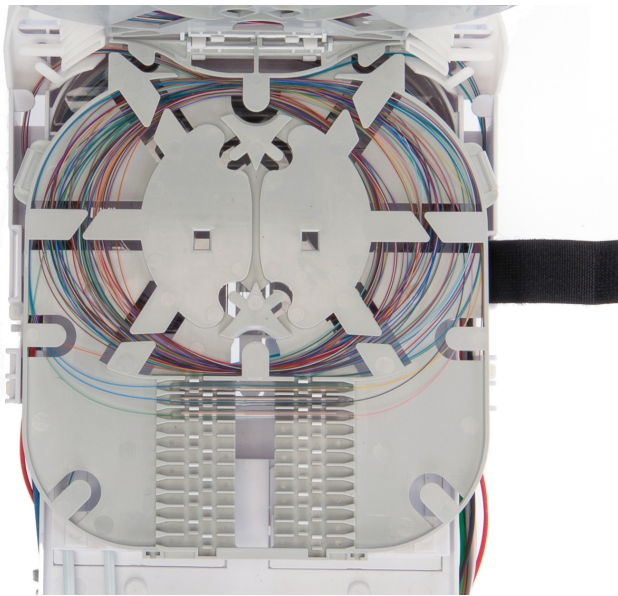
9.1.5   Route the fiber into the correct tray using the groove. Make the splices. Store the splice protector and the fiber overlength properly.
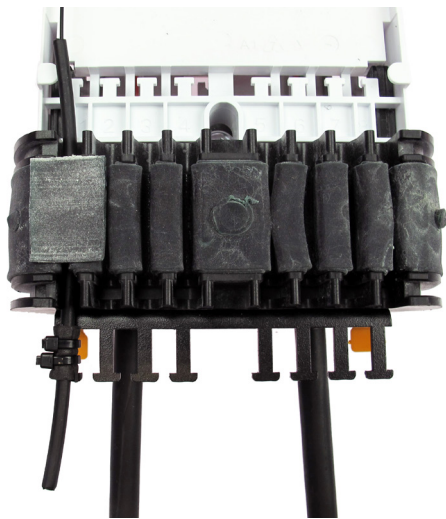
9.2   Installing 2 cables per drop port (0-5.5 mm)

In case 2 cables per drop port need to be installed, the use of 2 cm gel strip is mandatory.
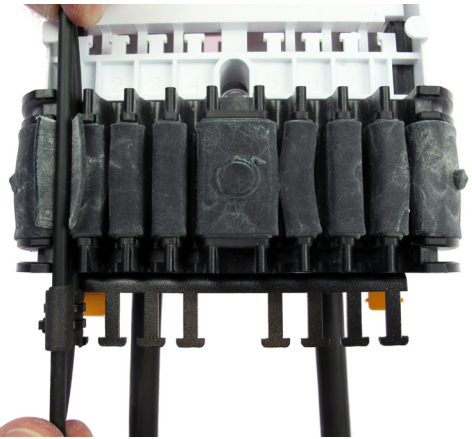
Gel strip to be ordered separately:
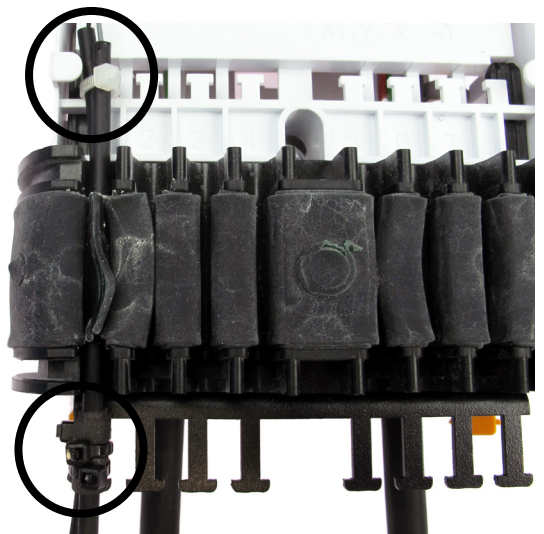S1515-30X1.5X700-AUTO-N

9.2.1   Cut 2 cm of the gel strip.

9.2.2   Place the gel strip on top of the first drop port.

9.2.3   Prepare the 2nd drop cable the same way as the first one. Put the cable on top of the gel strip and then push the drop cable down.

9.2.4   Secure the drop cable with Cable ties as shown.
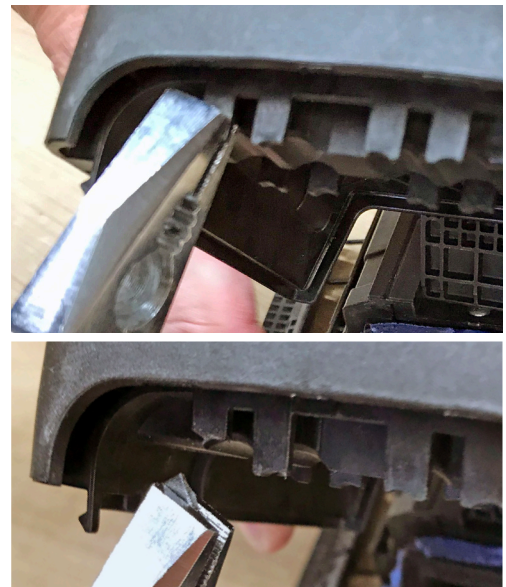
9.2.5   **IMPORTANT**: In order to avoid damaging the cable jacket when 2 cables (diameter ≥ 3 mm / 0.12 inch) are installed in a single drop port, the lip(s) in the cover need to be removed.

To do this, break off the plastic lip by means of a pair of pliers, and be sure to avoid sharp edges (recommended to use sandpaper).

10   Install Connectorized drop cable
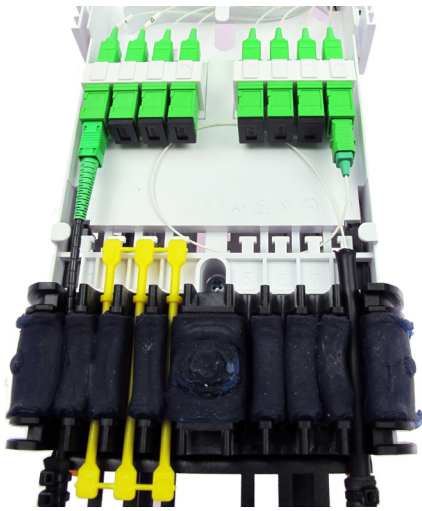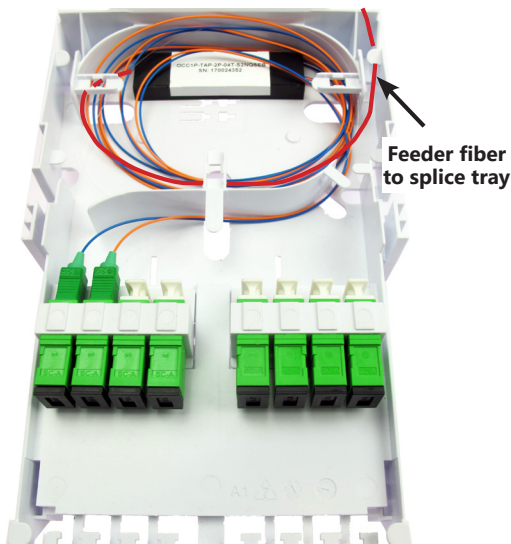

10.1   Install the pre-connectorized cable as shown. Secure the cable jacket to the external bracket with foam and cable ties. In case of field installable connectors (FIC), store 900 μ overlength as shown. Install blind plugs in the unused ports.

11   Install TAP's/Splitters

Feeder fiber to splice tray

11.1   Install the TAP-module/splitter as shown. For the drop connection see section 10.

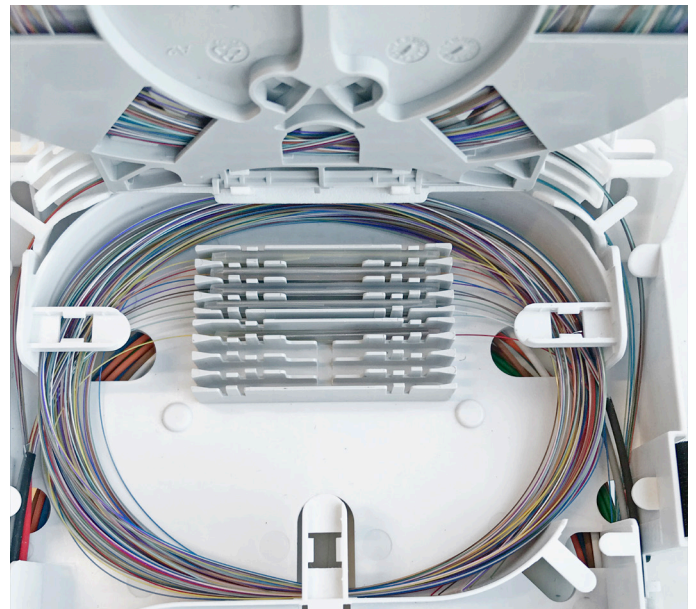## 12   Repair function (96 splices)
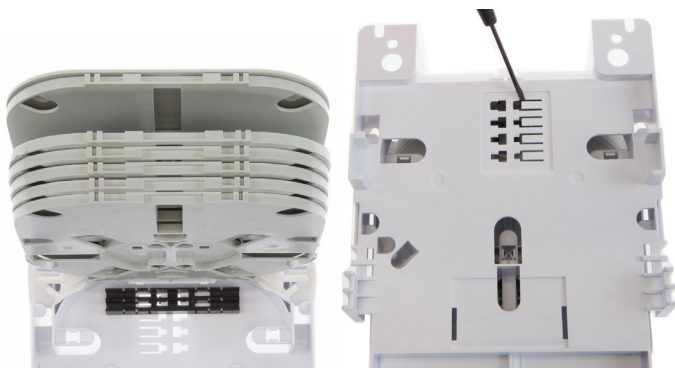
12.1   In order to increase the splice capacity to 96 one need to remove the splitter holder. Turn around the organizer, gently lift the plastic lip and push out the holder from the other side.

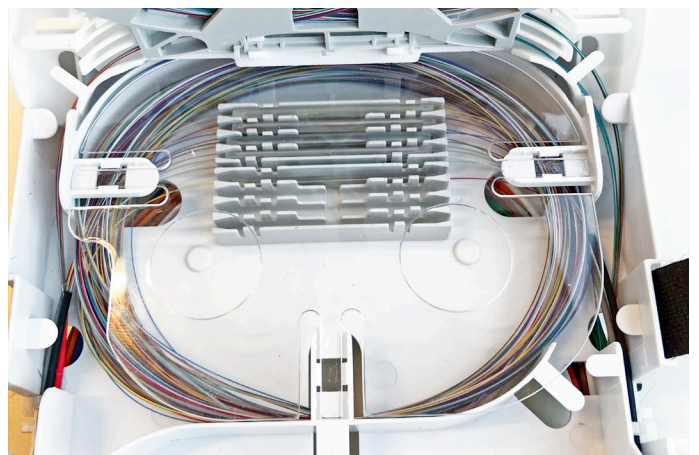12.2   Install the 2 splice holders as shown.

REMARK: Cable lengths are different for repair function (fiber overlength in bottom tray).

Use **1.1 m** instead of 1 m (see section 7)
12.3   For repair up to 72 the 6 trays can be used. For repair up to 96 the bottom tray can accommodate an extra 24 splices

12.4   Store splice protectors and fiber overlength properly and close with lid.
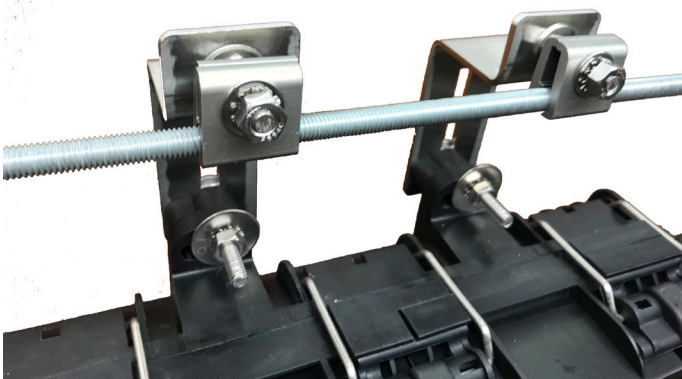
13 Extra features

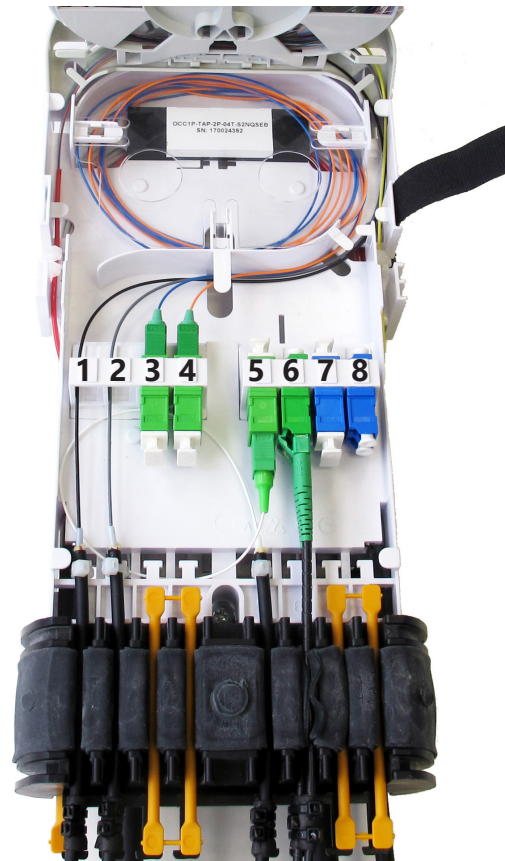

13.1   Demarcation cover

13.2   Top cover can be locked in open position.

14 Mounting options

- Wall fixation: use mounting ears.
- Pole fixation: use mounting ears in combination with plastic or metal hose clamps.
- Strand mount: OFDC-C12 BRKSTRAND (To be ordered separately).

15 Overview of possibilities

Port 1 + 2: Spliced
Port 3 + 4: TAP with SC APC connectors
Port 5: FIC with 900 µ overlength storage
Port 6: Pre-connectorized LC APC duplex
Port 7: SC UPC
Port 8: LC UPC duplex

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