COMMSCOPE®

OFDC-B8-72

INSTALLATION INSTRUCTION

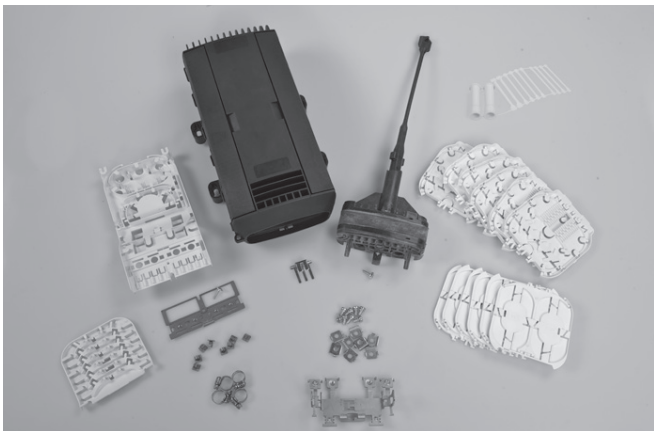
Outdoor fiber distribution closure

Content

1.Introduction

The OFDC is the environmentally sealed enclosure for fiber management system that provides the functions of splicing and passive component integration in the external network.
Longitudinal gel sealing and wraparound gel block for cable sealing.
Organizer is fully removable from the closure body and customer adding is transient free.
Cable diameters: 2 main cables 8-18 mm
2 extra drop cables: 5-8 mm
8 drop cables: 2.5-6 mm

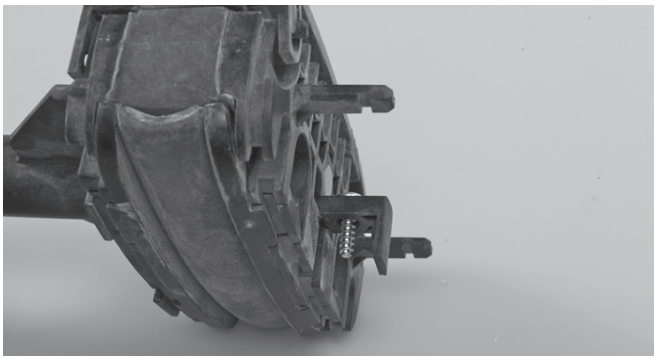
2 Kit content



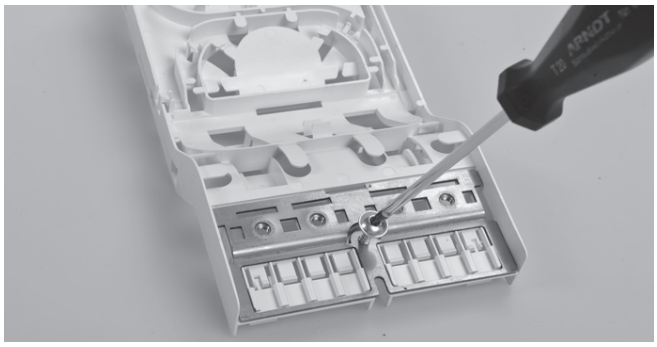
3 Closure preparation

3.1 Open the closure by lifting the 2 latches.

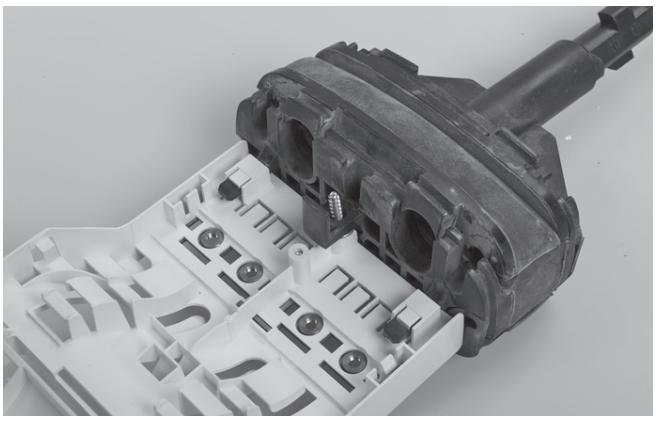
3.2 Put the 2 small screws in stand by (only 1-2 turns). The metal wedge can be used to keep the lid open when working vertical.



3.3 Insert (push) the screw in the gel block (cross) as shown.



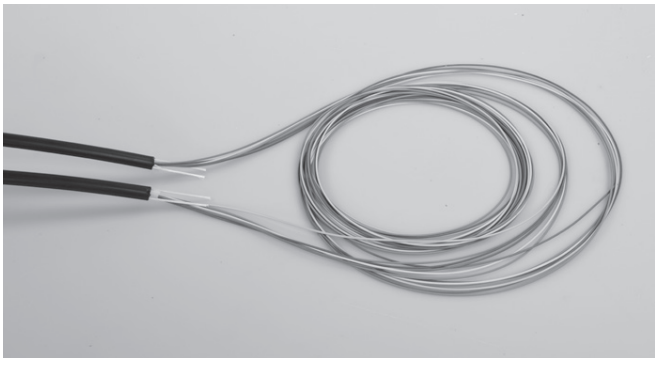
3.4 Fix the metal frame to the organizer as shown.



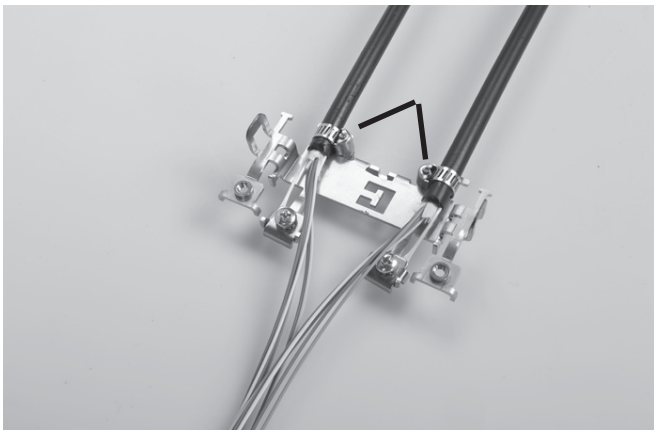
3.5 Connect the gel block with he organizer. (Snap fit)

4 Cable preparation

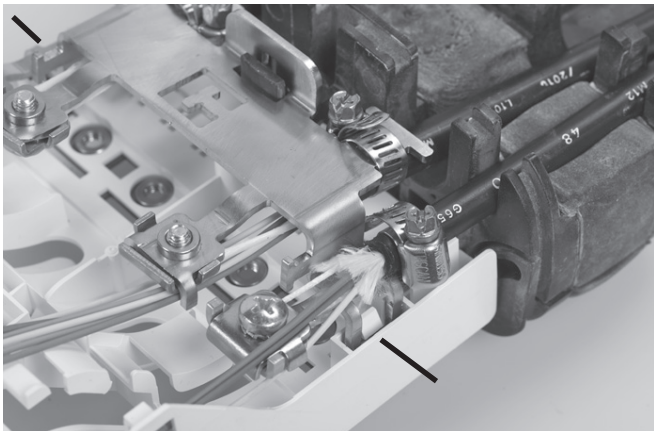
4.1 Feeder cable (loop)



4.1.1 Make a window cut of 2.97 m. Cut strength members at 4.5 cm from jacket end.

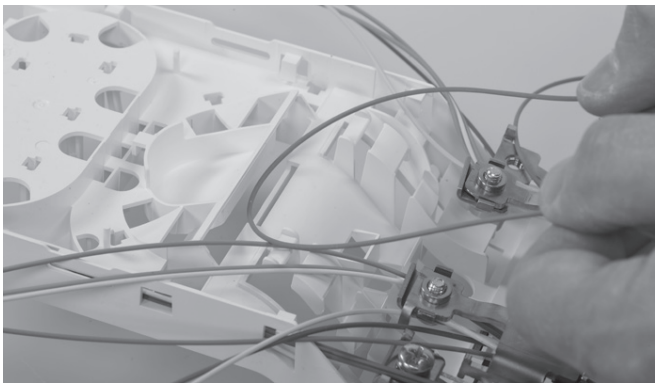


4.1.2 Fix the cables to the metal bracket as shown. Hose clamps at the cable jacket and strength members under the metal plate. (Position the hose clamp knobs at inside!)

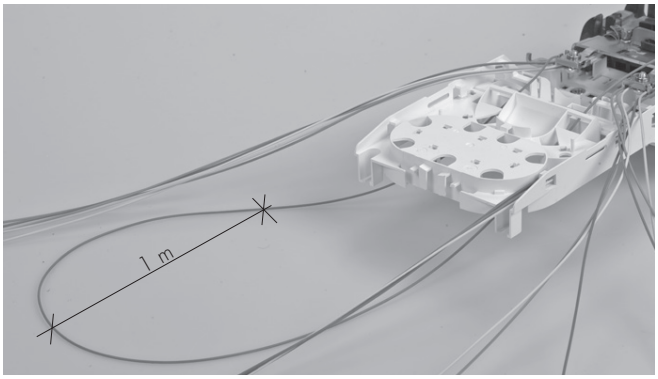


4.1.3 Fix the assembly to the organizer (snap fit at both sides) Make sure that the fiber bundles are free.

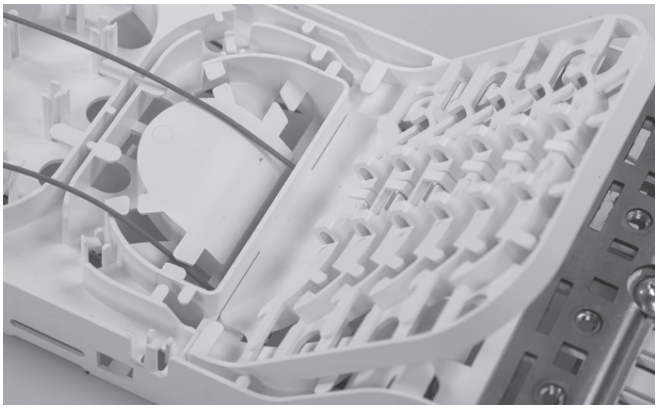
4.1.4 In order to have free fiber bundles at the organizer side the crossing of the bundles need to be shifted to the dedicated zone as shown.



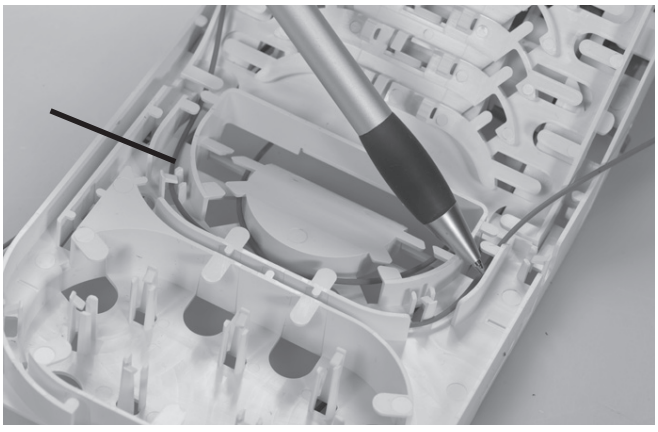
4.1.5 Feed the first loop through the opening.



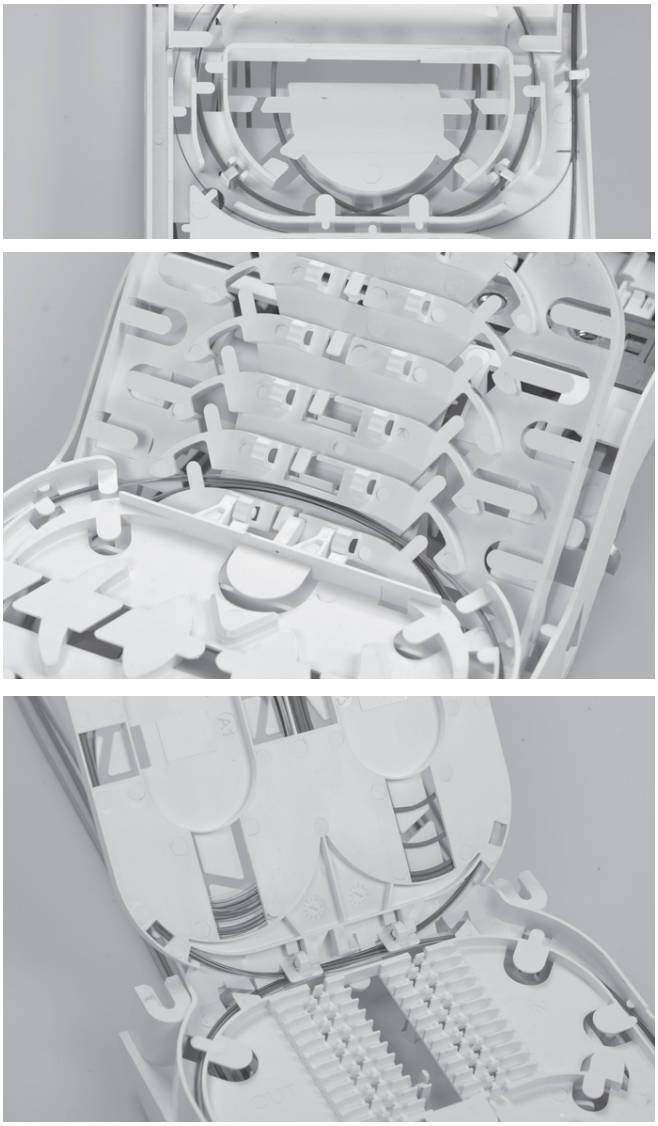
4.1.6 Mark the middle of the loop and measure 1 m towards the outgoing side. This 1 m may not be stripped.



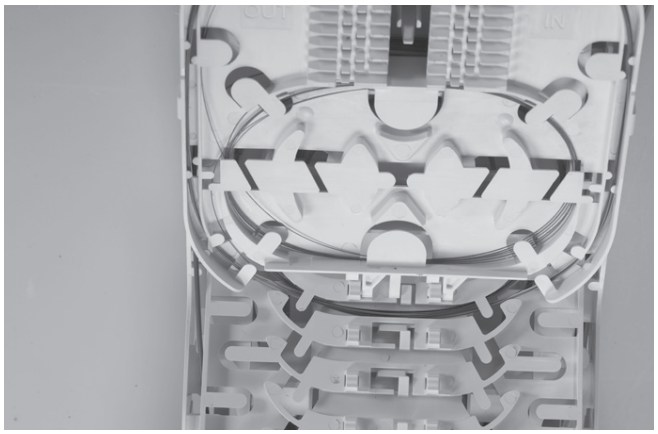
4.1.7 Install the groove plate as shown.



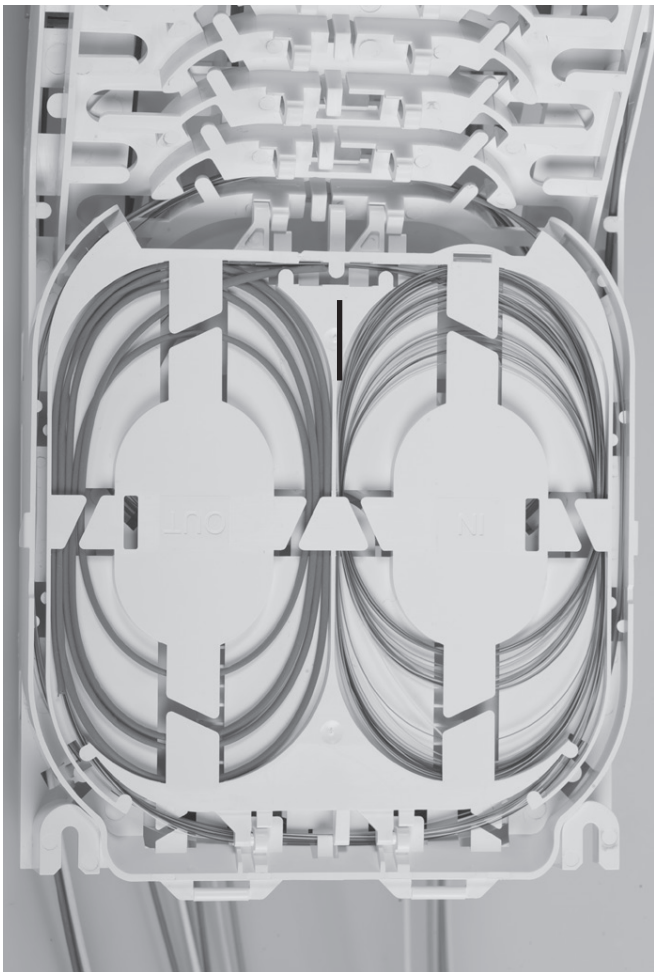
4.1.8 Route the bundle and mark at the lips. Remove the jacket except the marked 1 m. (see 4.6)



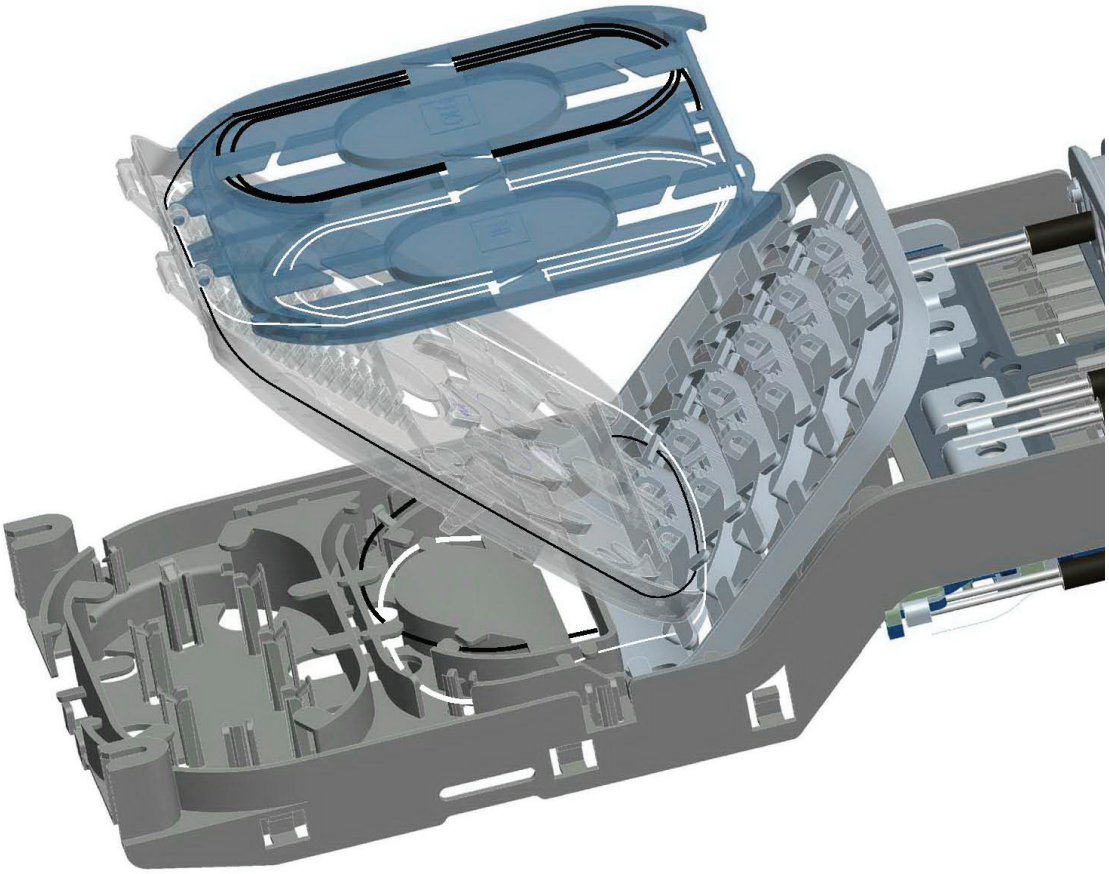
4.1.9 Install the first splice tray and lift the top part, route the fiber bundles via the groove plate in the bottom (splice) part of the cassette. use the outer (left en right) "channels "to go to the top part for storing the unused fibers.



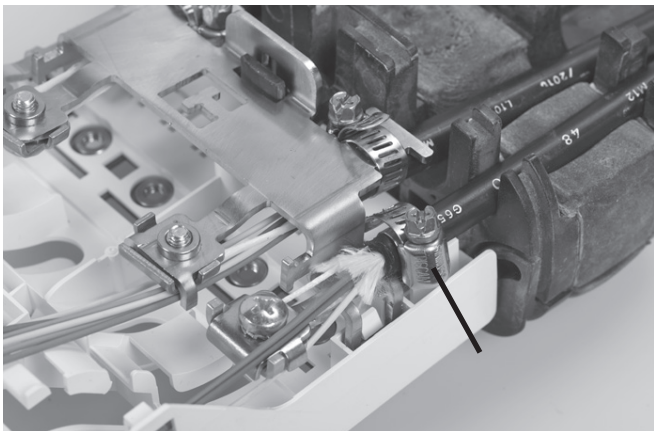
4.1.10 Take out the fiber(s) to be spliced and leave them in the splice area.



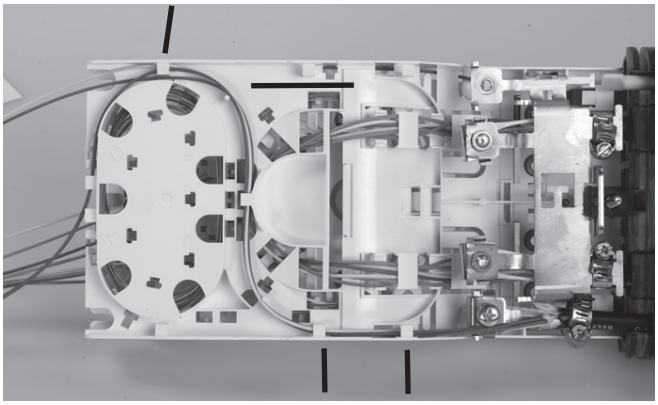
4.1.11 Bring top part down and store uncut fibers as shown Transition of coating/250µ should be in the middle of the splice tray (under the lip).



4.2 Drop cable 8 mm

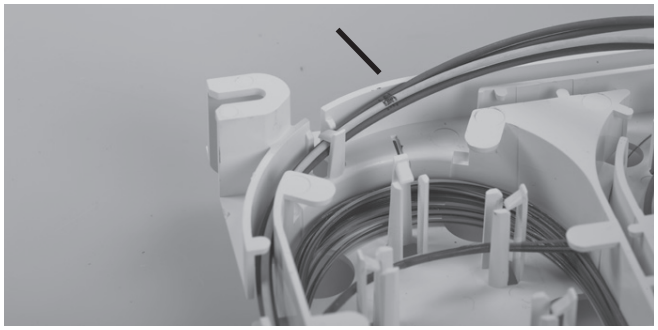


4.2.1 Remove the outer jacket over a length of 145 cm. Cut strength members at 40 mm from jacket end. Fix to the metal frame as shown (see feeder cables). Make sure that knob of hose clamp doesn't interfere with organizer.

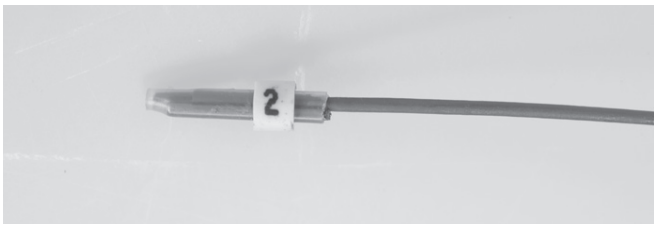


4.2.2 Route as shown, when coming from the opposite side, just route straight. Make sure bundles are under the holders.

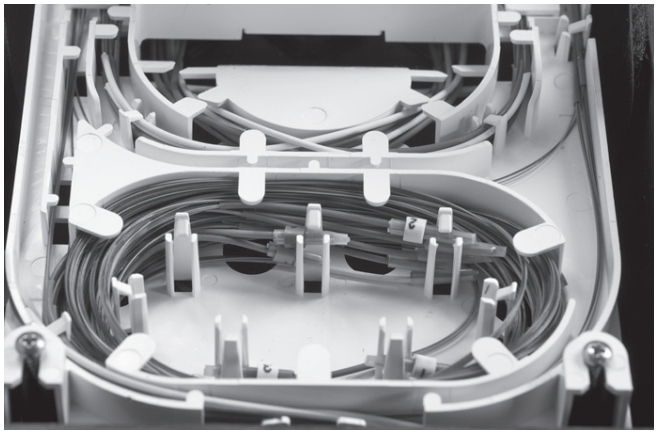
4.2.3 Route over the top to go to the organizer.



4.2.3 Mark the bundles at the entrance of the organizer. Remove the jacket from this point on except the last 40 mm!

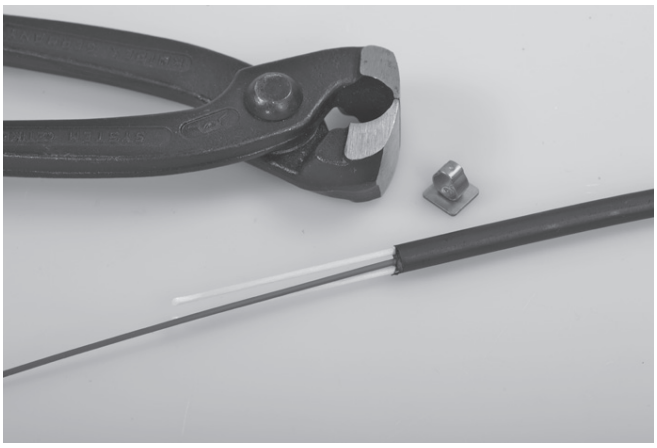


4.2.4 Shrink a piece of SMOUV over the remaining jacket and mark the module.

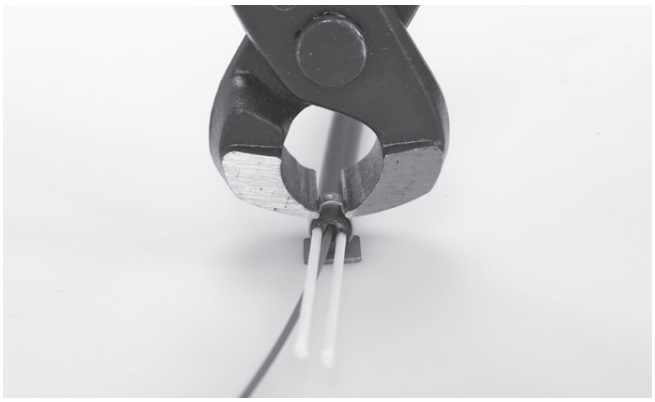


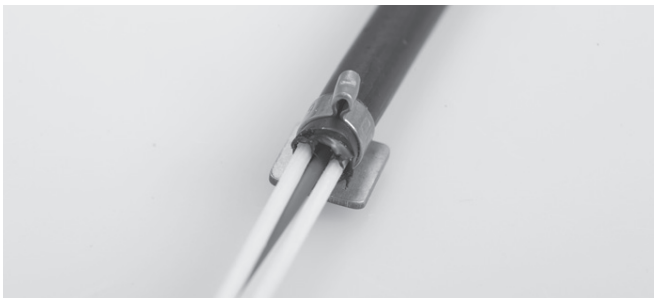
4.2.4 Store the modules as shown.

4.3 Drop cable 6 mm

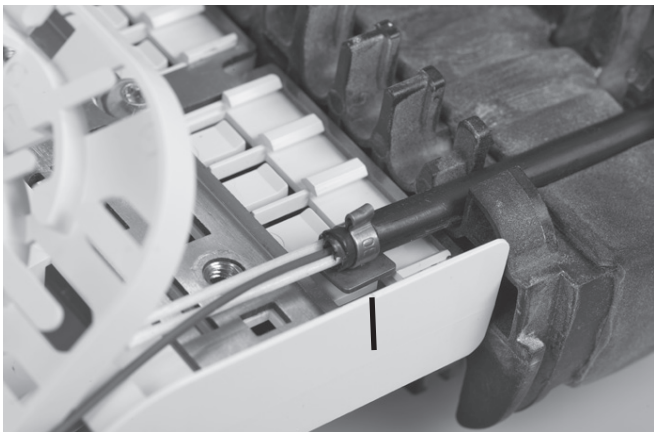


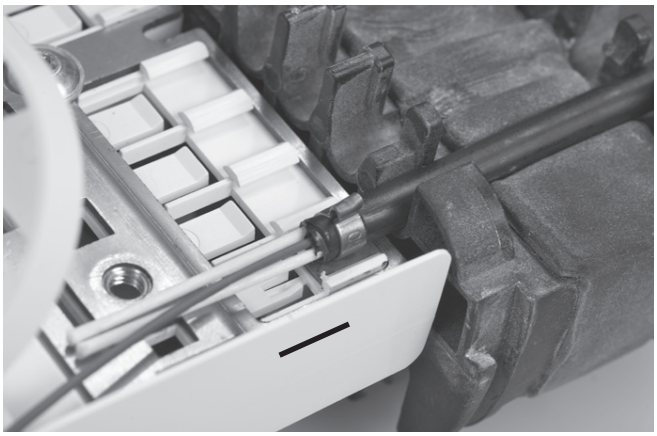
4.3.1 Remove the outer jacket over a length of 145 cm, cut strength members at 30 mm from jacket end.



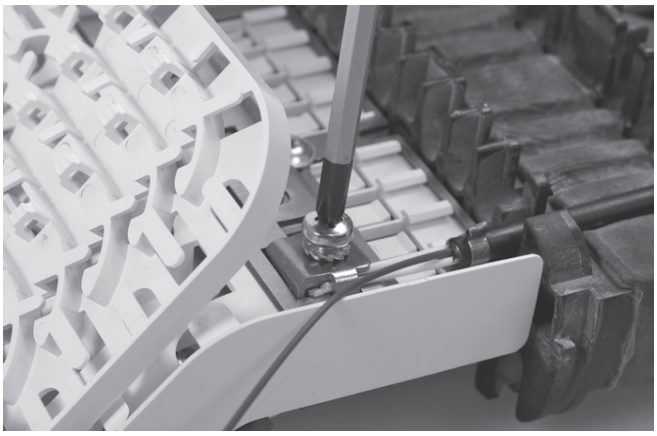


4.3.2 Slide the metal clip over the cable and install as shown.



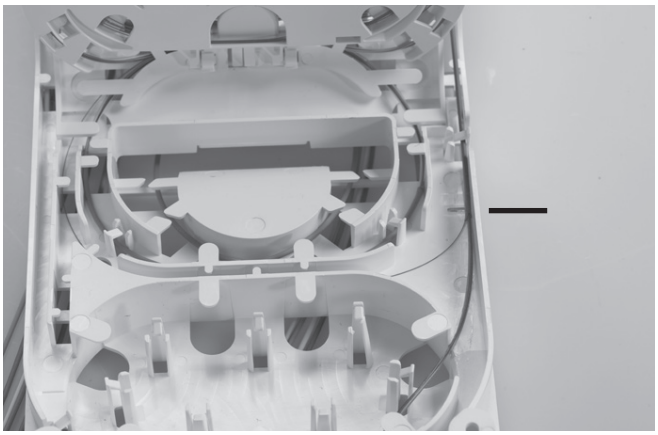


4.3.3 Open the gel block and install as shown: push down and pull back into the plastic holder.

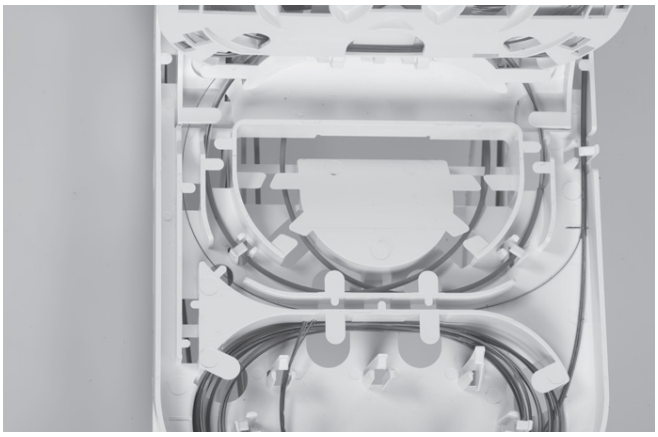


4.3.4 Fix strength members with the metal plate, make sure that the strength members are positioned horizontal and installed both at one side of the screw. One fixation point can contain 2 drop cables!

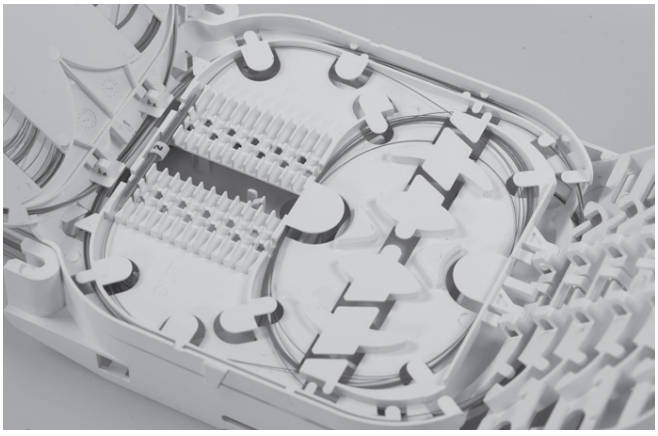
5 Fiber routing and splicing



5.1 Remove the jacket at the indicated point and take out the needed fiber, store the rest in the dedicated zone.

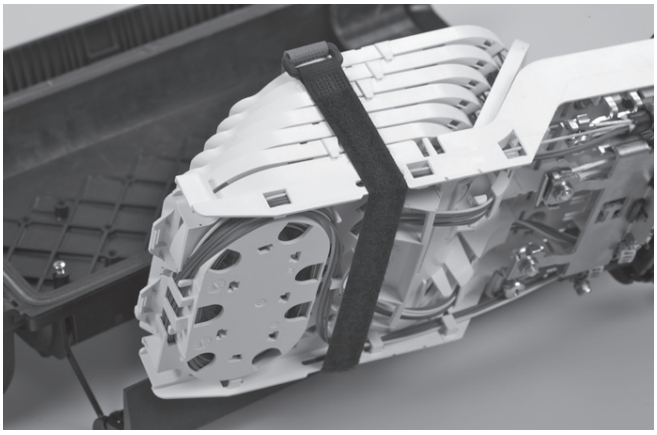


5.2 Route the fiber to the splice tray (same procedure as for feeder cable).

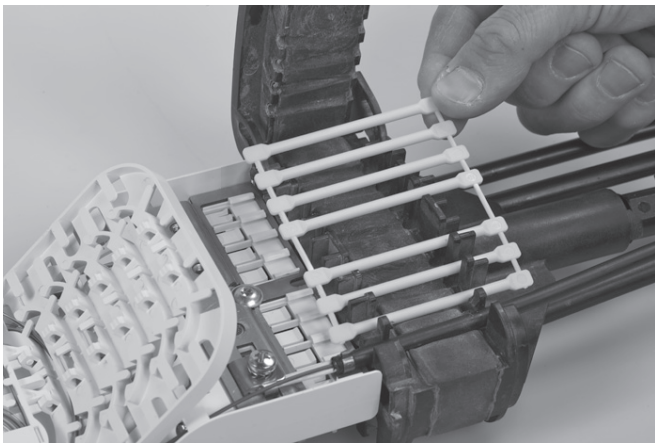


5.3 Install the tag before splicing. Make the fusion splice, install the tag on the SMOUV and store as shown. Store the fiber overlength in the dedicated area.

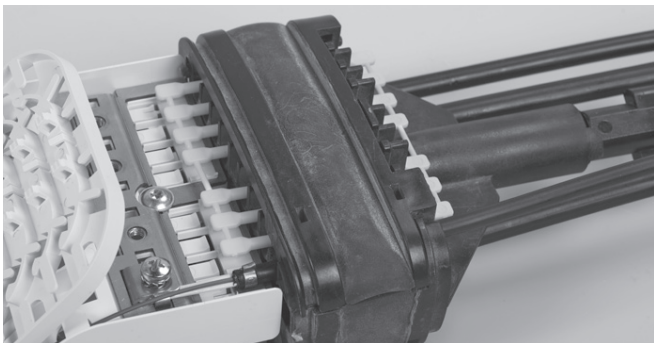
6 Closing



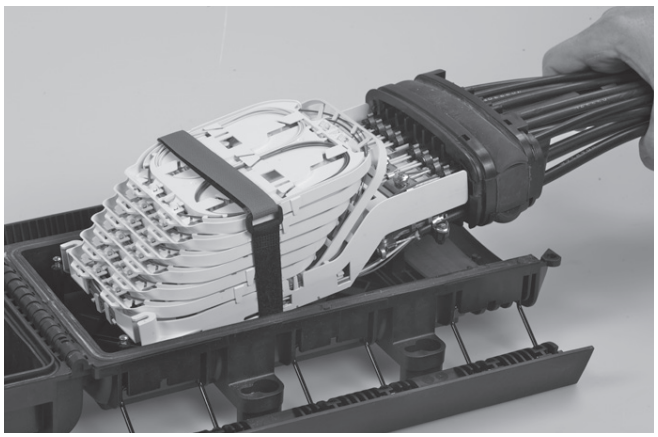
6.1 Fix the Velcro as shown.

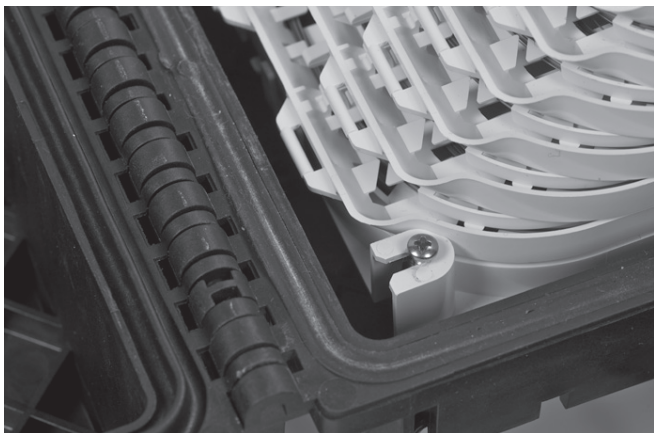


6.2 Install the dummy rods in the unused ports.

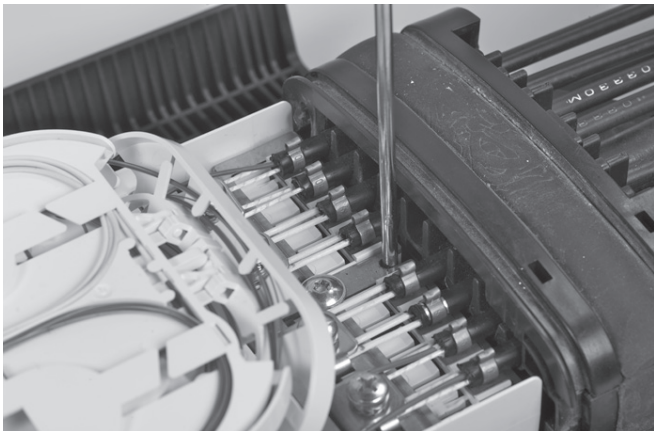


6.3 Close the gel block at both sides.

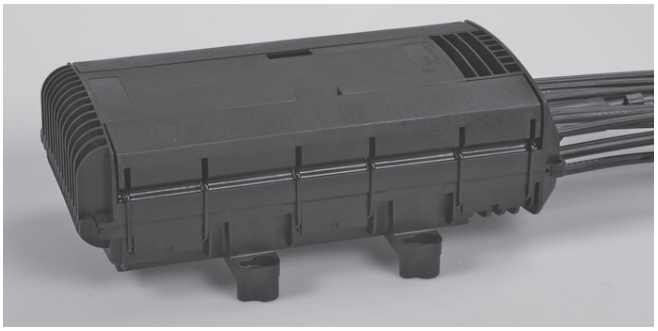




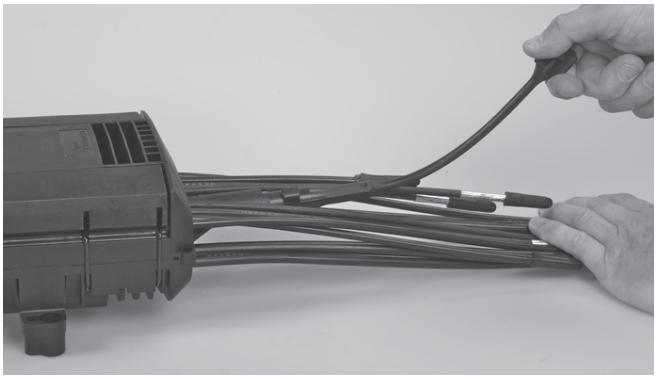
6.4 Slide the top of the organizer underneath the 2 screws and secure.

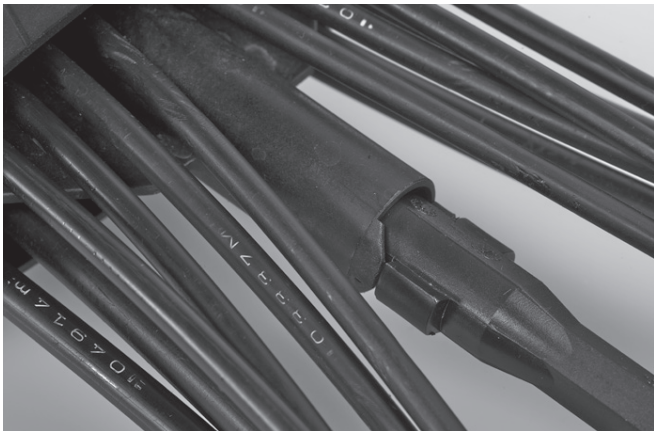


6.5 Push down and secure the organizer with the screw.



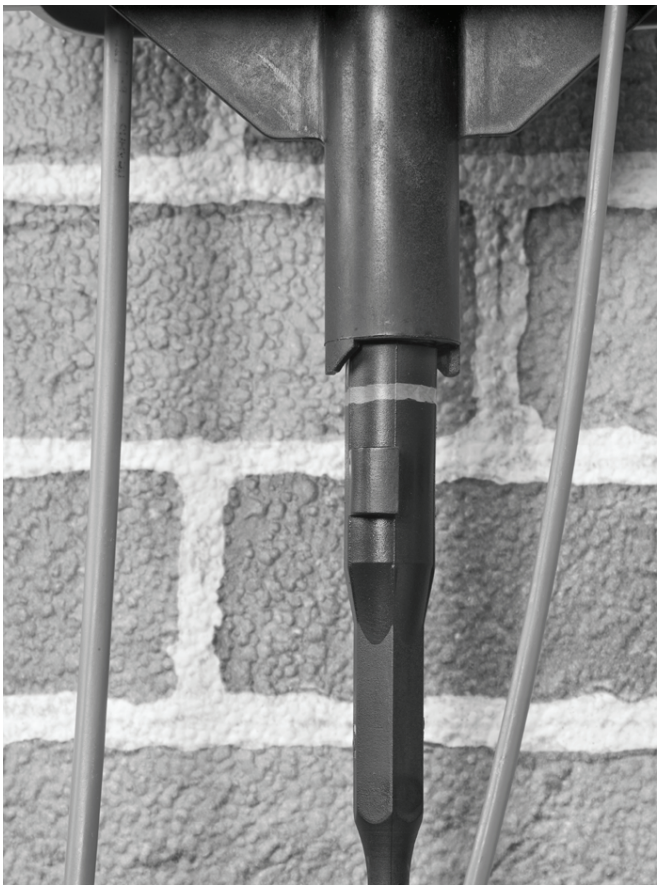
6.6 Close the 2 latches.





6.7 Tighten the trigger till the wings butt up with the plastic tube.

7 Re-entry



Before opening the closure, release the trigger till the marking line is visible. Open the latches.

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