TC-40107-IP-EN
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FACT CABLE TERMINATION UNIT (FACT-ACCCTUSIFC)

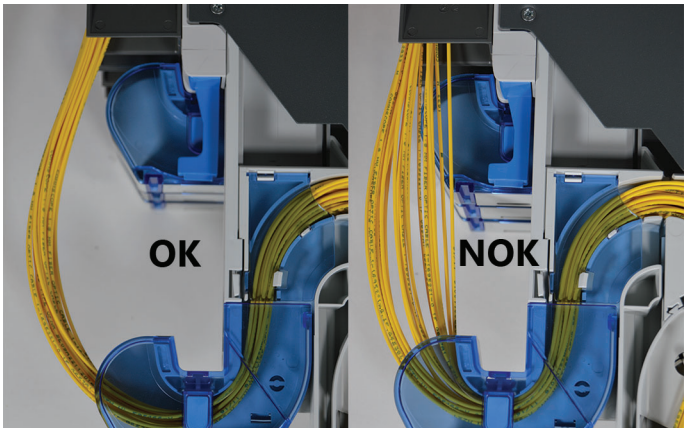
Contents

1. General product information

- The IFC cable termination unit is designed to accomodate non connectorised IFC cables with a maximum cable diameter of Ø 8.5 mm.
- The cable needs to be flexible enough to allow a bend radius less than 75 mm for IFC cable strength members with a diameter less than Ø 2.5 mm.
- The kit contains all parts to terminate 2 IFC cables on 1 FACT element (max. 48 x 900 µm).

2. Warnings and caution

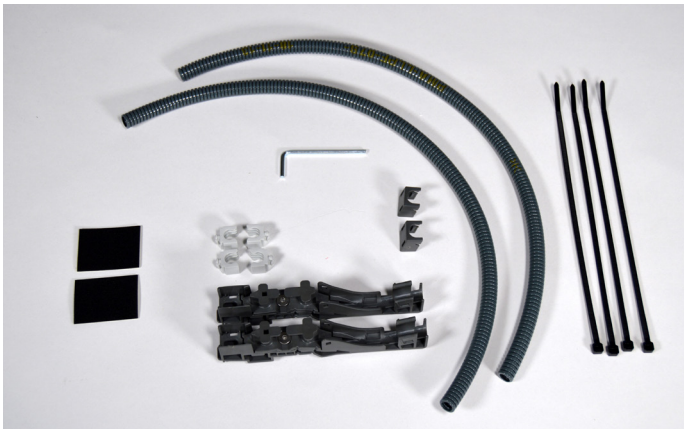
- Fiber optic cables may be damaged if bent or curved to a radius that is less than the recommended minimum bend radius. Always observe the recommended bend radius limit when installing fiber optic cables and patch cords.
- Exposure to laser radiation can seriously damage the retina of the eye. Do not 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.



- Pay attention to the routing of the patch cords. These should move/hang freely, where they leave the bend control. If you see that there is tension occuring on the patch cords, please reroute these.

3. Product image

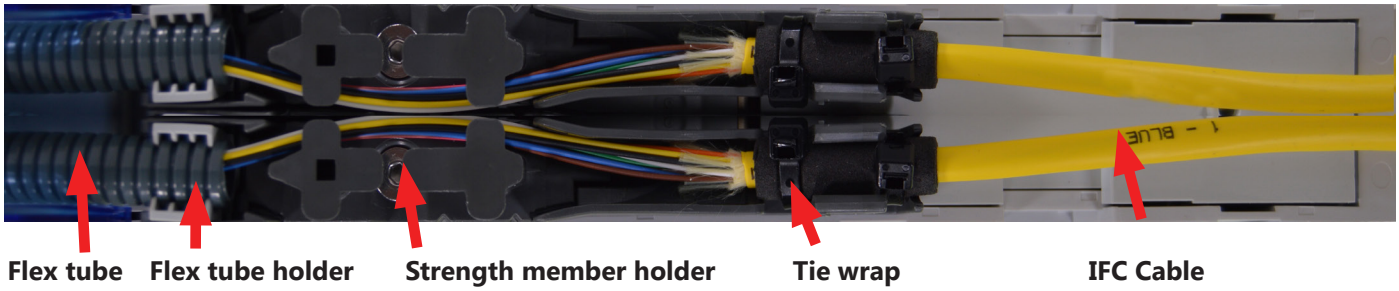
4. Kit content



- 2x Cable termination unit small
- 2x Cover for flextube Ø 10 mm
- 2x Flex tube 430 mm
- 4x Flex tube holders for flex tube
- 2x Foam
- 4x Tie wrap black
- 1x Allen key

Note: Check kit content and length of tubes before installation.

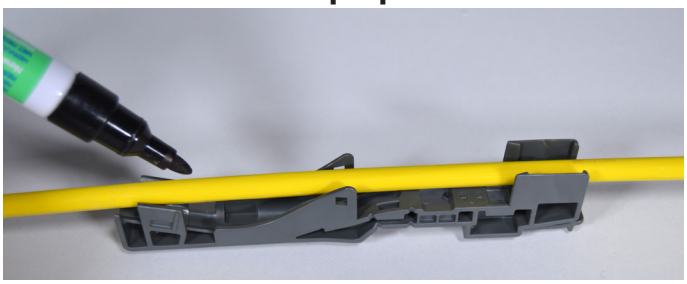
For FACT-xExHP 430 mm is ok, cut these to 410 mm for FACT-xESPL!



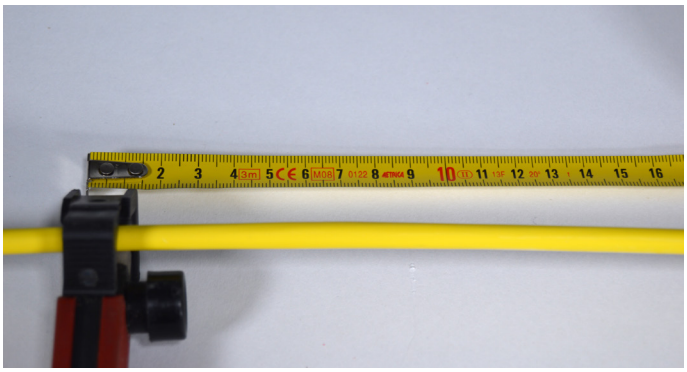
Example when installed.

5. Cable preparation

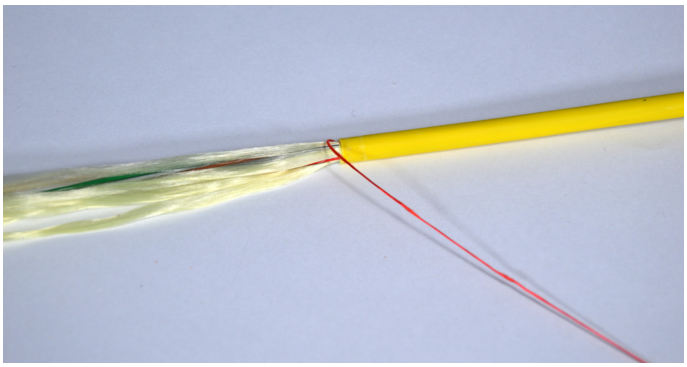
5.1. General cable preparation



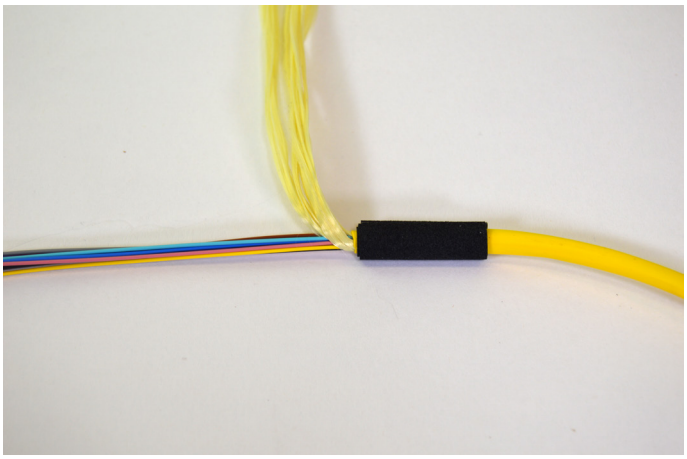
5.1.1. Mark the stripping point on the cable jacket. Make sure that you have at least 2 meters of cable left.



5.1.2. Cut the cable jacket at the marked point at approx. 150 mm from the cable end to get access to the rip cord.

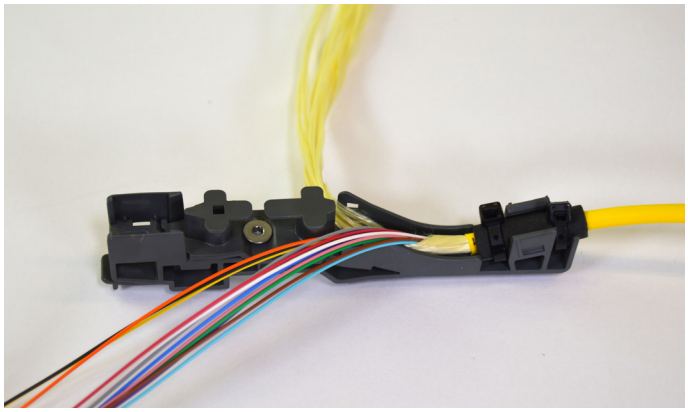


5.1.3. Use the rip cord to strip off the cable jacket.

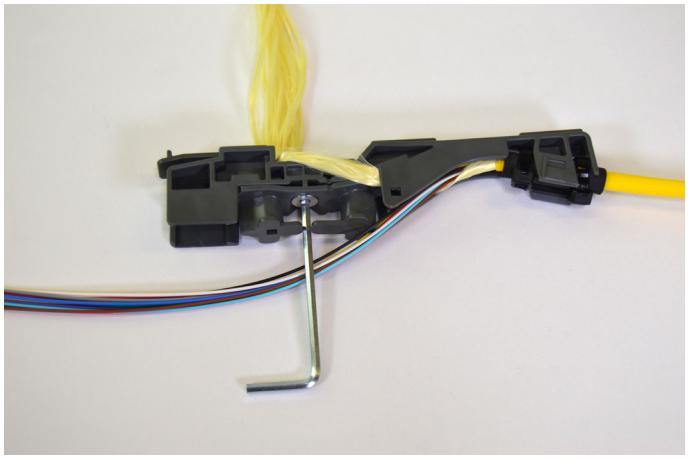


5.1.4. Separate the aramid yarns from the 900 µm. Apply a piece of foam.

5.2. Cable preparation without central strength member



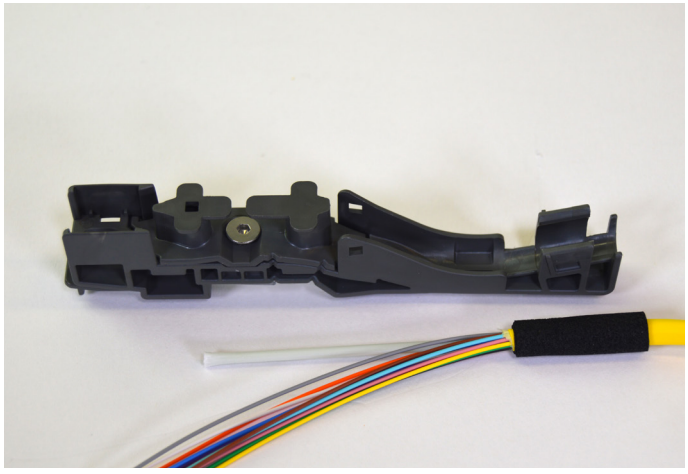
5.2.1. Fix the cable with 2 tie wraps. Route the aramid yarns to the backside of the bracket.

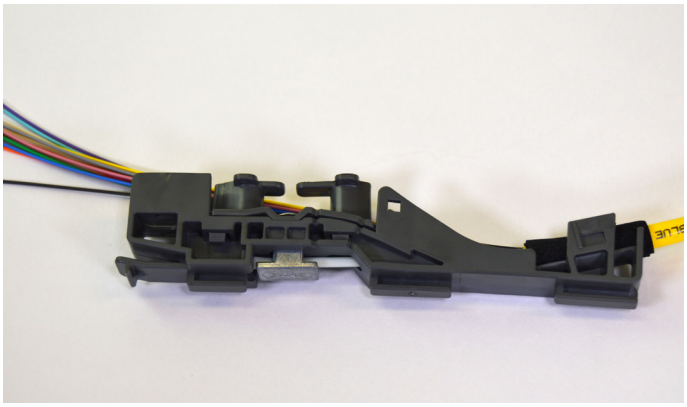


5.2.2. Make several turns around the strength member connector to fix the aramid yarns, by using the allen key.

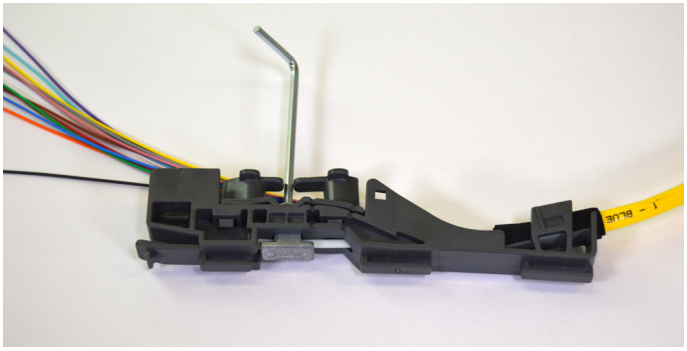
5.3. Cable preparation with central strength member

5.3.1. Cut the strength member on length +/- 70 mm.

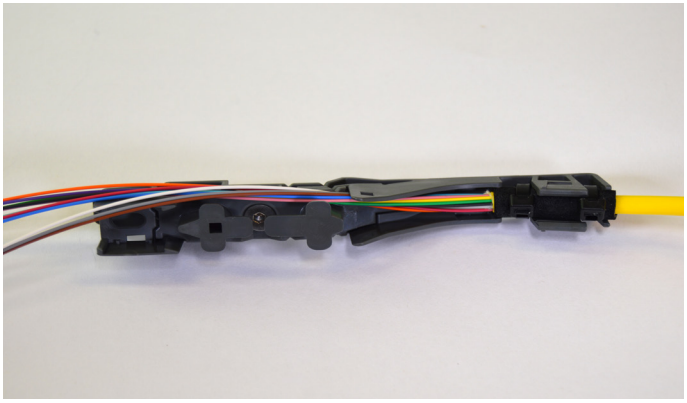




5.3.2. Feed the strength member to the backside.

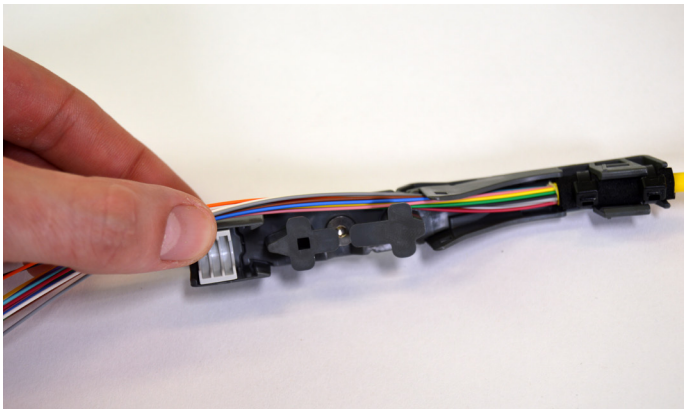


5.3.3. Fix the strength member by using the Allen key.

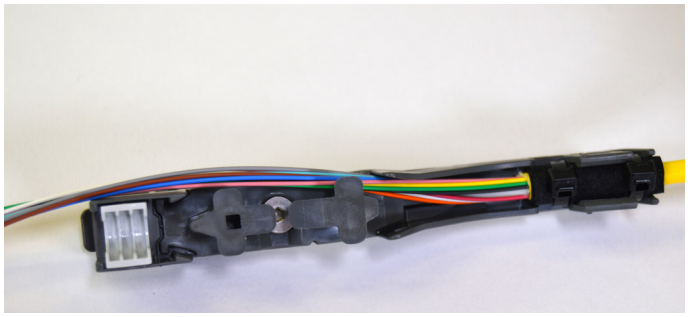


5.3.4. Fix the cable with 2 tie wraps and cut them.

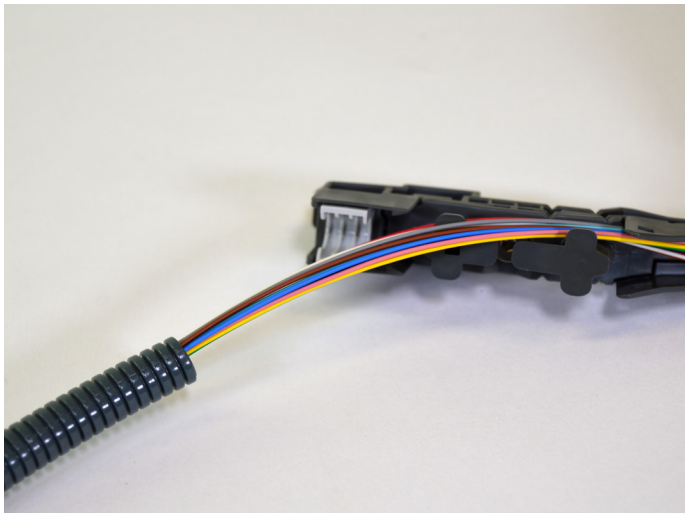
6. Routing and termination on FACT-xESPL (splice element)



6.1. Take one flex tube holder.

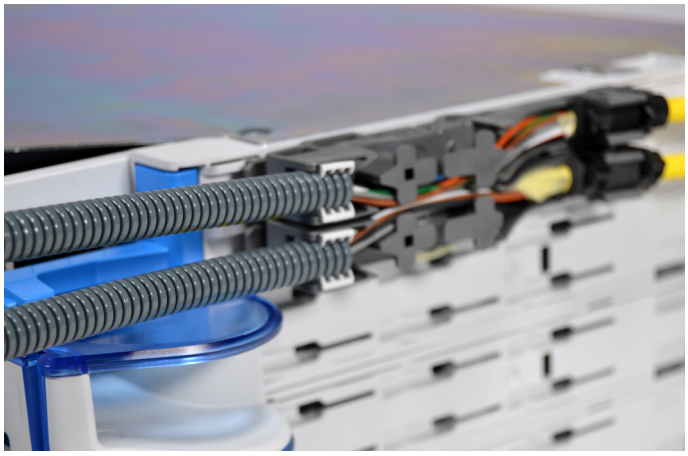


6.2. Install the flex tube holder on the bracket.



6.3. Feed the 900 µm fibers into the flex.

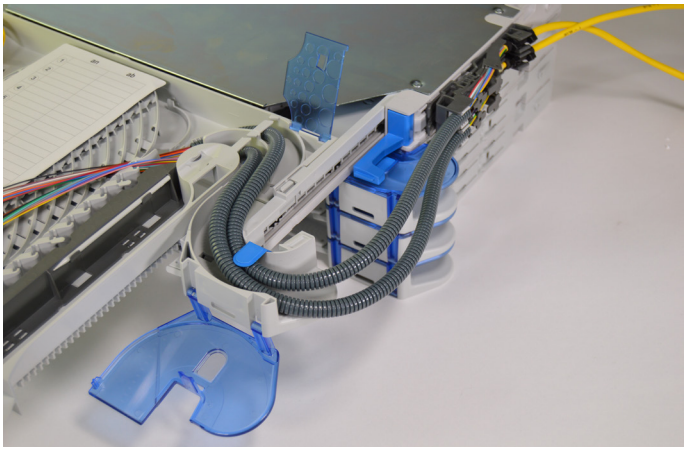
Note: for FACT-xESPL this flex tube should be cut to 410mm first!



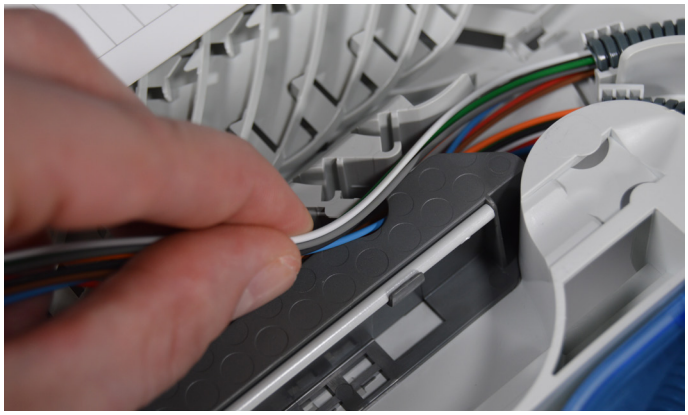
6.4. Slide on the CTU bracket. Fix the flex tubes by pressing the flex tube(s) into the flex tube holders.

6.5. Install flex tube holder(s) in the splice tray.

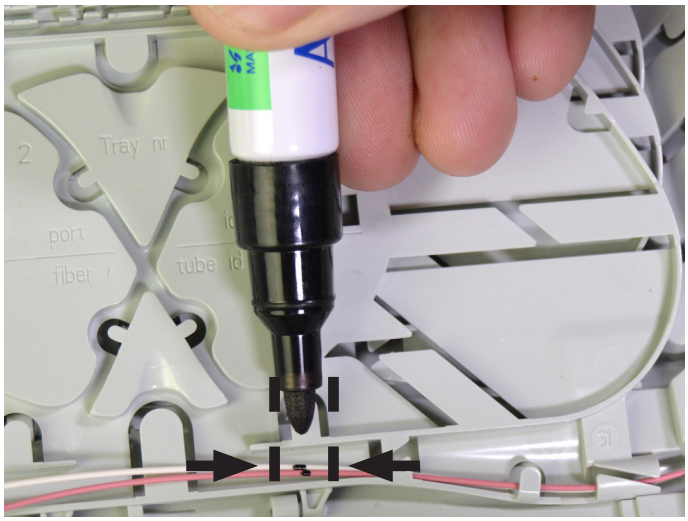
6.6. Open the lids. Guide the flex and the 900 µm fibers to the splice tray. Fix the flex tube in the flex clip.



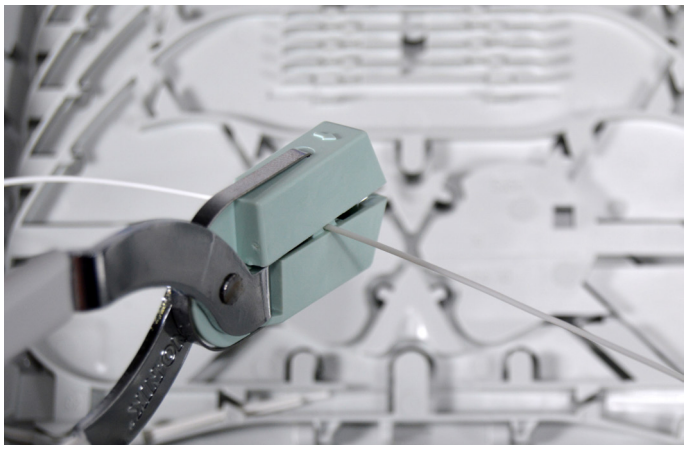
6.7. Overview flex routing without crossing.



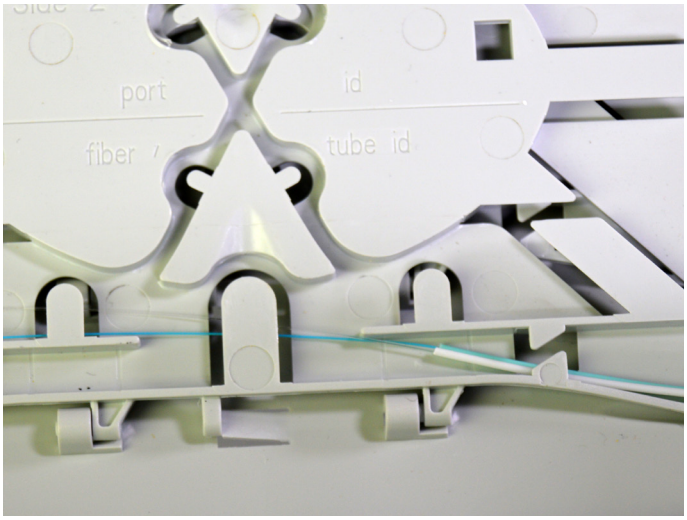
6.8. Route the fibers throughout the groove plate to the dedicated splice trays.



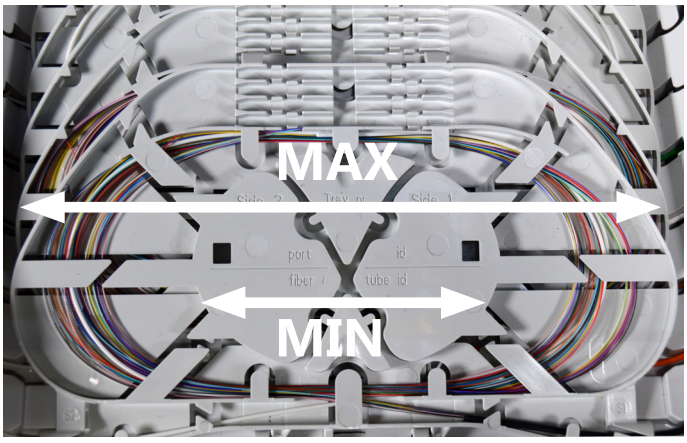
6.9. Route the 900 µm fiber to the splice tray and mark the stripping point to 250 µm. This is between the 2 marks.

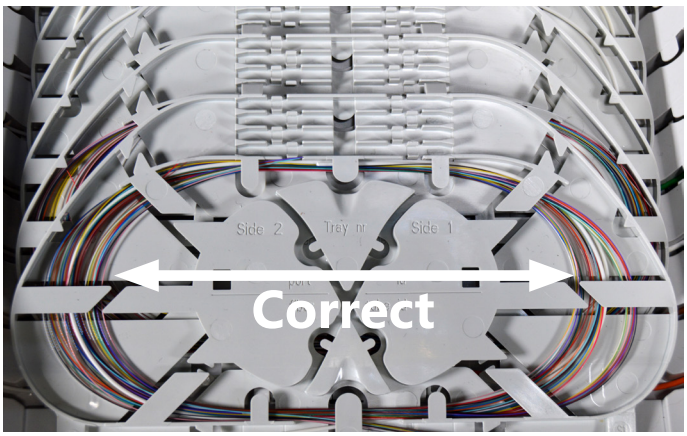


6.10. Strip the 900 µm to 250 µm with a proper tool.



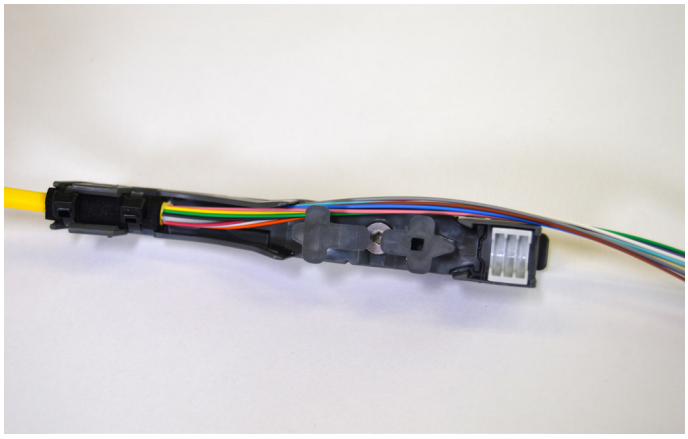
6.11. Check the proper routing of the fiber into the splice tray.



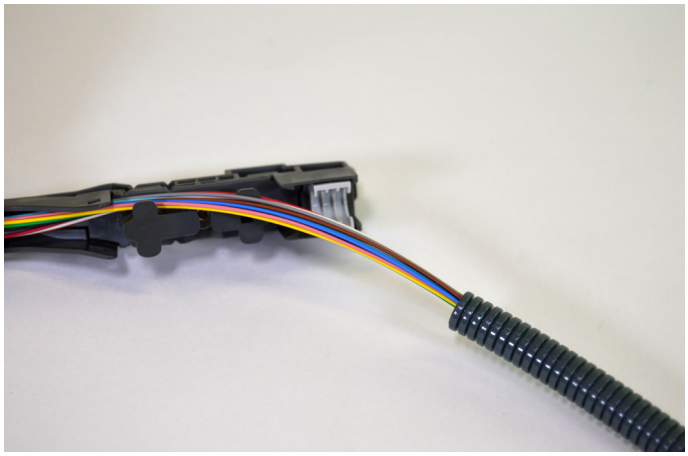


6.12. Pay attention to store the fiber correctly. A properly stored fiber doesn't touch the bend radius limiter on inner or outer side and can move freely.

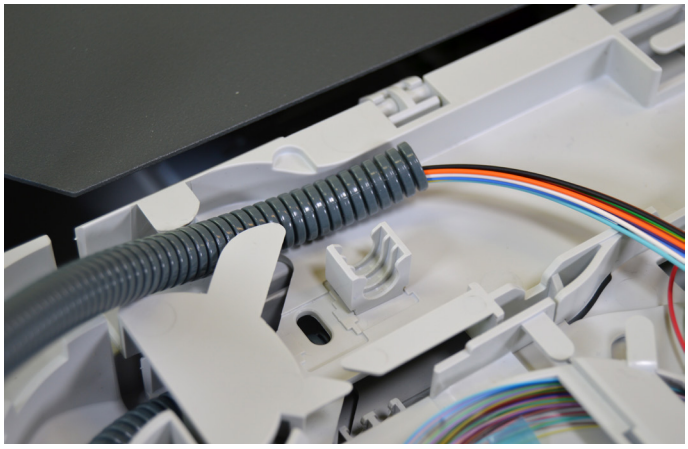
7. Routing and termination on FACT-xExHP (splice/patch element)



7.1. Install the flex tube holder on the bracket.

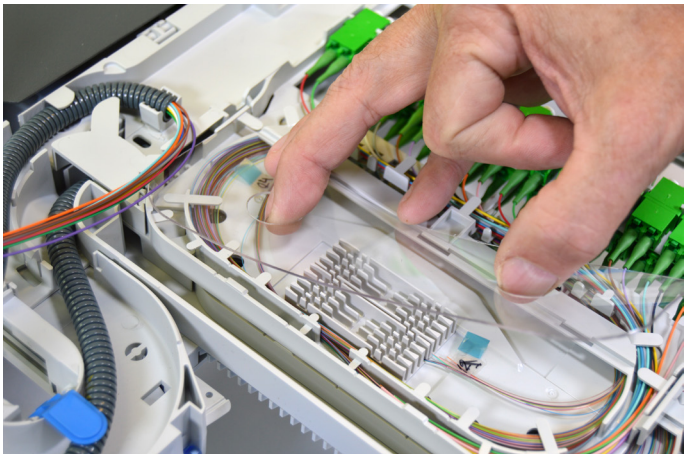


7.2. Feed the 900µm fibert through the flex tube. Push the flex tube in the flex tube holder, on the bracket.



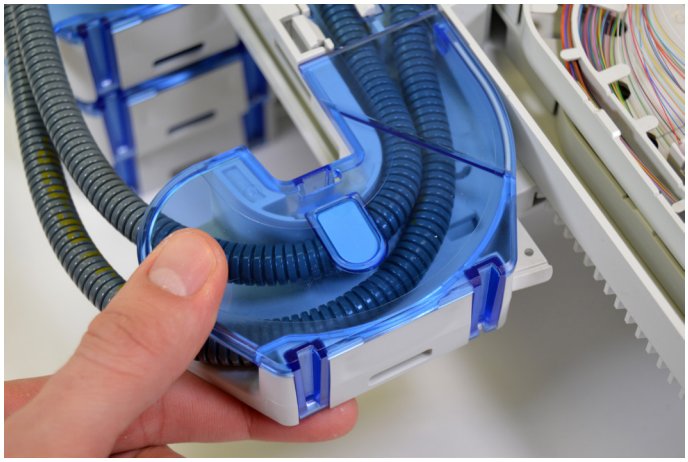
7.3. Install the flex tube holder in the tray. Next, feed the flex tube with 900 µm fibers through.

7.4. Push the flex tube in the flex tube holder. Feed the 900µm fibers towards the splice/patch area.

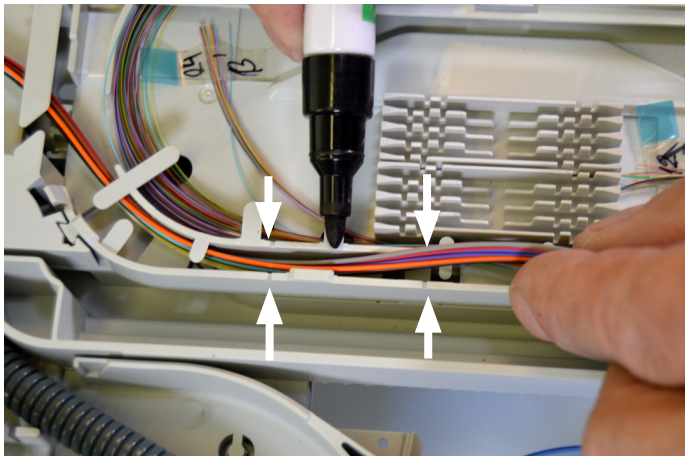


7.5. Remove the transparent cover.

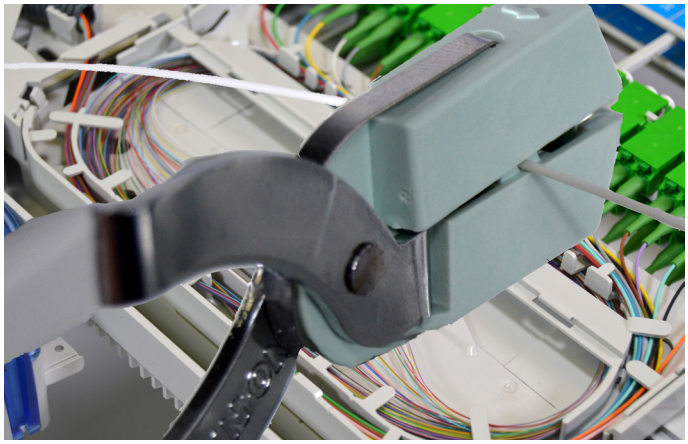
7.6. Close the back lid.



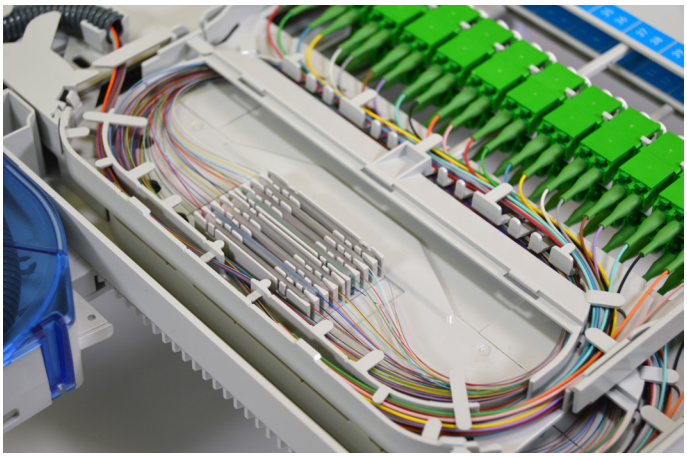
7.7. Close the front lid.



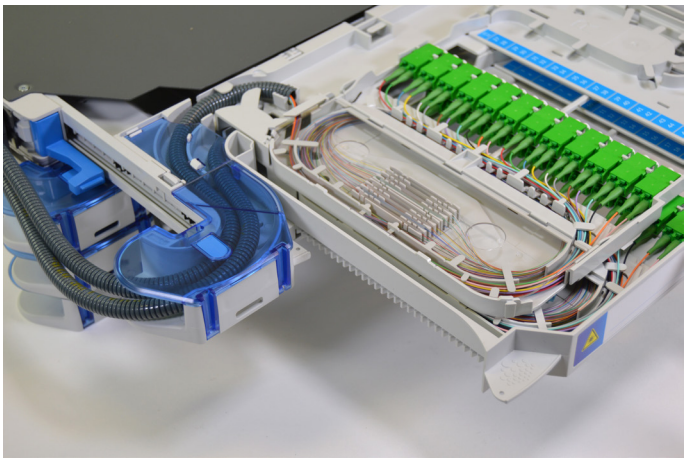
7.8. Route the fibers towards the splice area. Mark these between the V-shaped marks. Strip the marked fibers.



7.9. Carefully take the fibers out of the splice island. Splice the fibers to fibers that you just stripped.



7.10. Put the spliced fibers in the smouv-holder. Route the spliced fibers back in the splice island.



7.11. Reinstall the transparent cover.

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