FACT CABLE TERMINATION UNIT (FACT-ACCCTUMIFC)

Contents

## 1. General product information

- The IFC cable termination unit is designed to accomodate IFC cables with a maximum cable diameter of Ø 15 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 1 IFC cable 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.
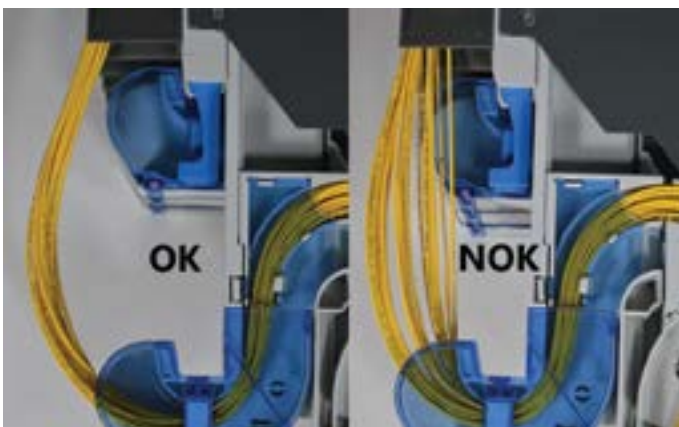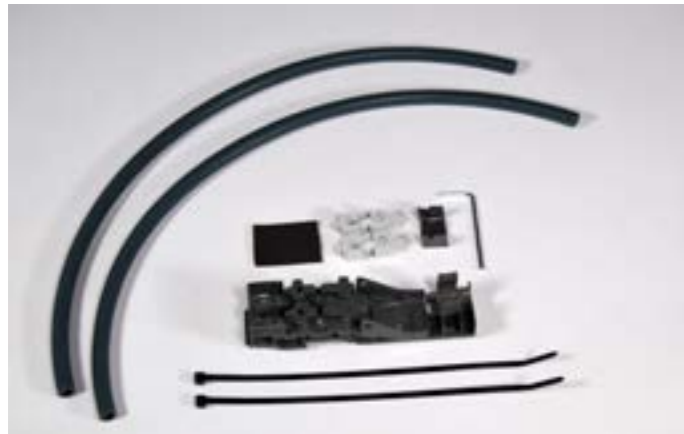

- Pay attention to the routing of the pigtails. These should move/hang freely, where they leave the bend control. If you see that there is tension occuring on the pigtails, please reroute these.
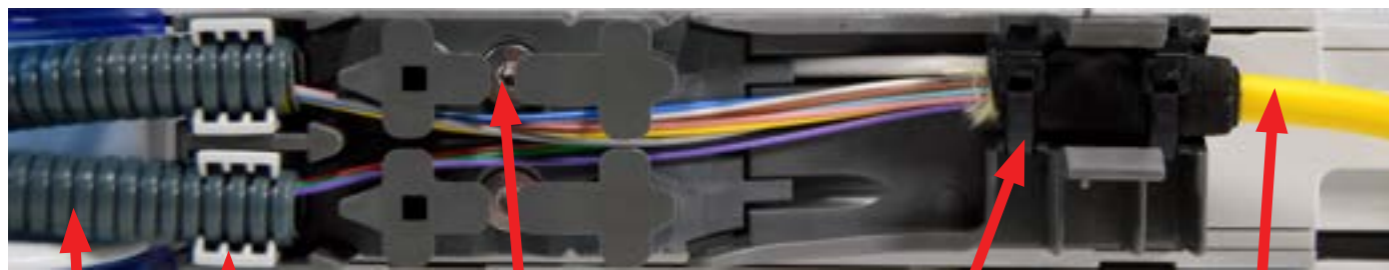
3.   Product images

4.   Kit content

- 1x Cable termination unit medium
- 1x Cover for flextube Ø 12 mm
- 2x Flex tube 430 mm
- 4x Flex tube holders for flex tube
- 1x Foam
- 2x Tie wrap black
- 1x Allen key

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

For GPS 430 mm is ok, cut these to 410 mm for GSS!

Flex tube   Flex tube holder   Strength member holder   Tie wrap   IFC Cable

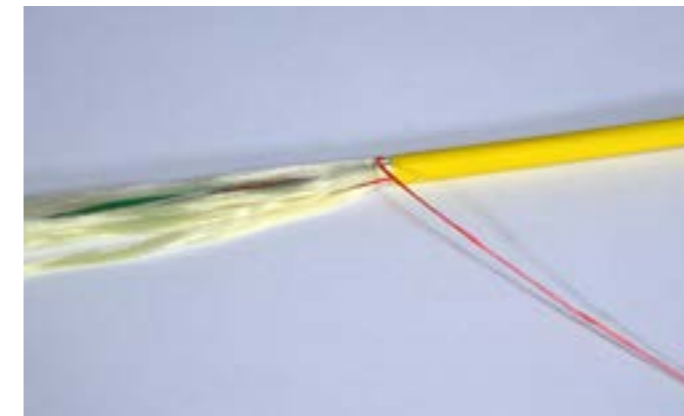**Example when installed.**

5.   Cable preparation
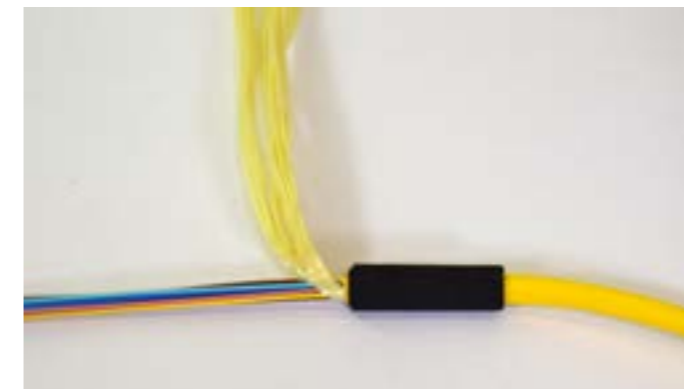### 5.1.   General cable preparation

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 and approx. 150 mm from the cable end to get access to the rip cord.

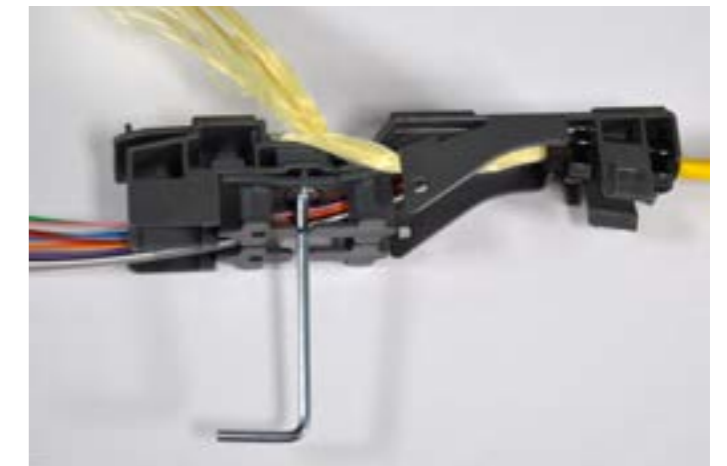5.1.3.   Use the rip cord to strip off the cable jacket.

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.
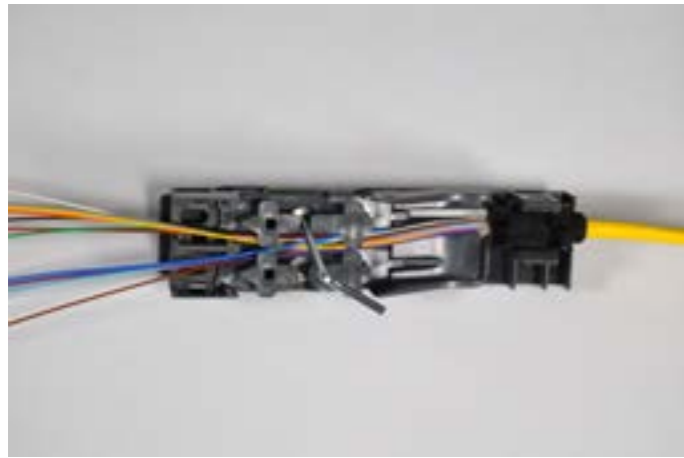

5.2.2.   Make several turns around the strength member connector to fix the aramid yarns, by using the allen key.

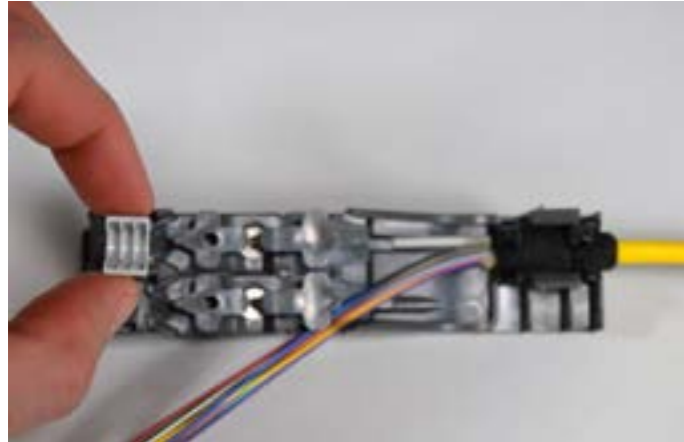## 5.3.   Cable preparation with central strength member

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

5.3.2.   Feed the strength member to the backside.

Fix the strength member by using the allen key. Fix the cable with 2 tie wraps and cut them.
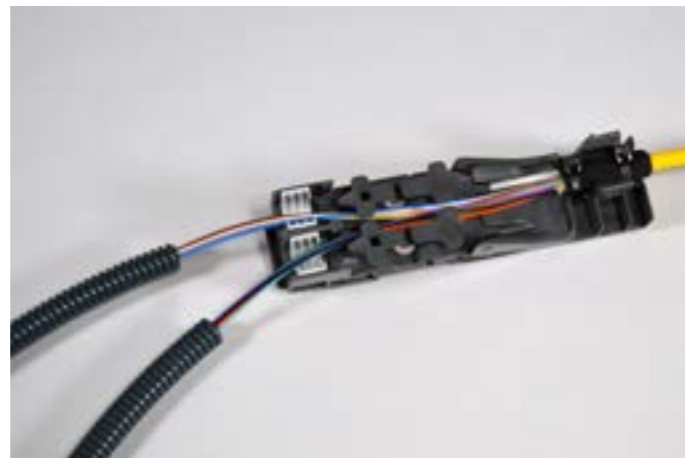
6.   Routing and termination on FACT-GSS - splice element

6.1.   Take a flex tube holder.

6.2.   Install the flex tube holder(s) on the bracket.

6.3.   Feed the 900 µm fibers into the flex.

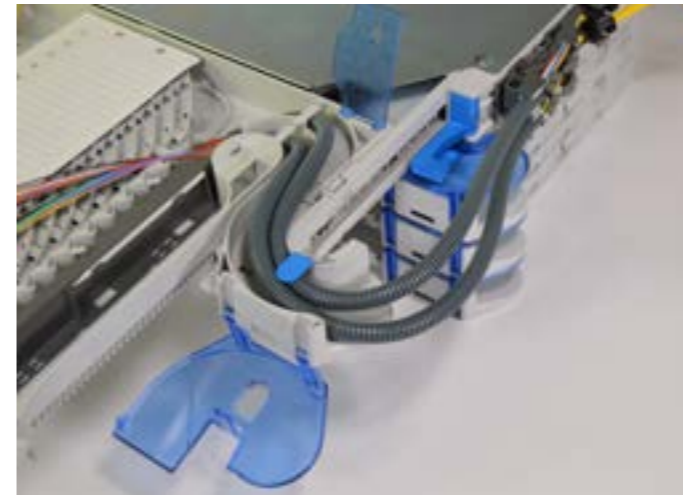Note: The flex tube should be cut to 410mm first (for GSS)!

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

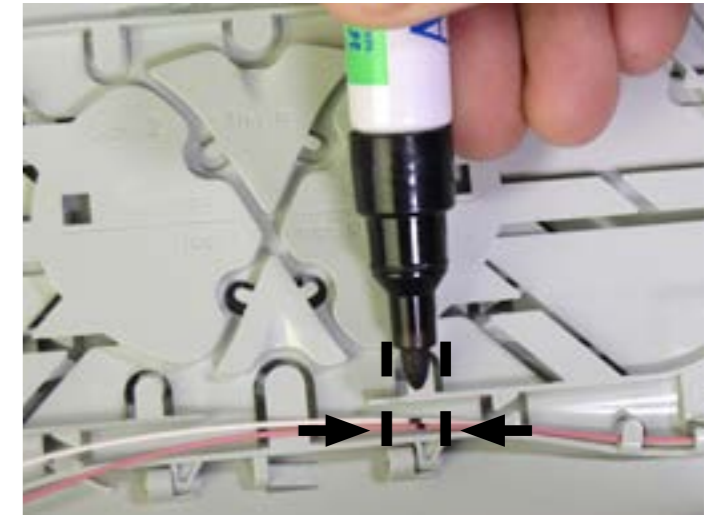6.5.   Ope the lids. Install flex tube holder(s) in the splice tray.

6.6.   Guide the flex and the 900 µm fibers to the splice tray. Fix the flex tubes in the flex tube holder.

6.7.   Overview flex routing without crossing.

6.8.   Route the fibers throughout the groove plate to the dedicated splice trays.
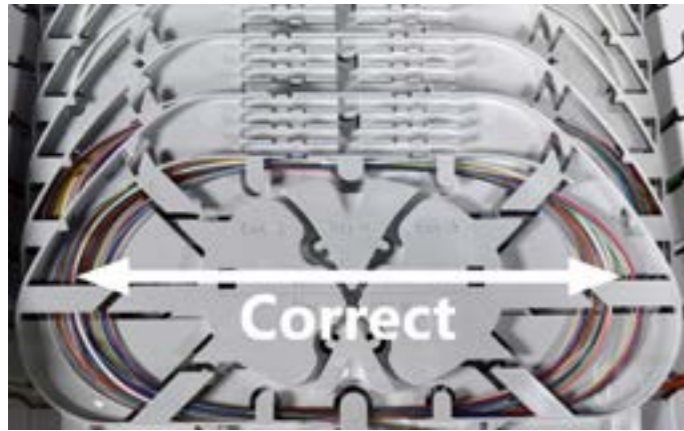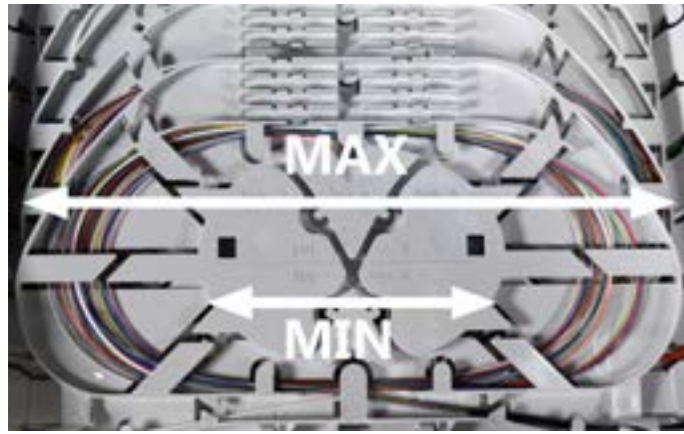
6.9.   Route the 900 µm fiber to the splice tray and mark the stripping point to 250 µm.

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-GPS - splice/patch element

7.1. Install the flex tube holder(s) on the bracket by pressing them in.

7.2. Install the flex tube holder in the tray.

7.3. Feed the flex int the tray. Next, feed the 900 μm fibers towards the splice/patch area.

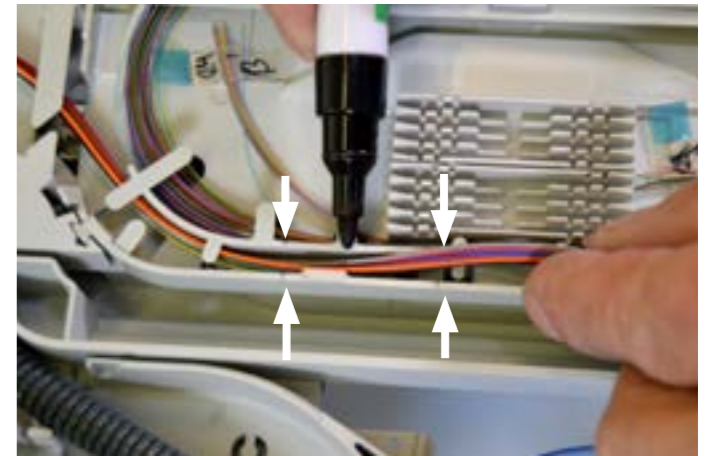7.4. Guide the flex tube and push it in the flex tube holder.

7.5. Remove the transparent cover.
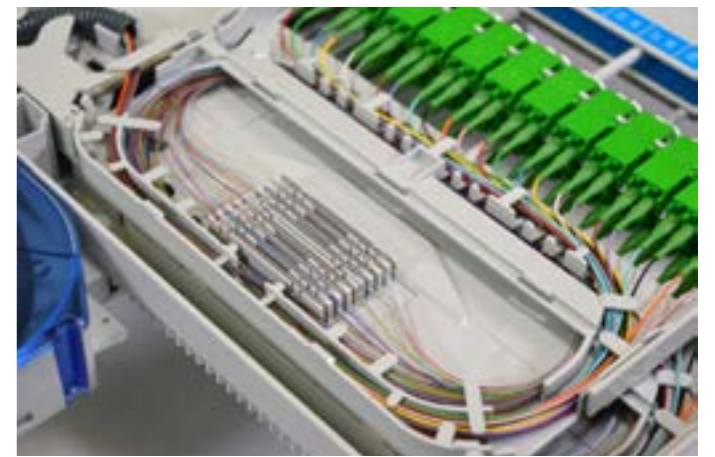

7.6. Close the back lid.

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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