

FACT-CTU-S-IFC

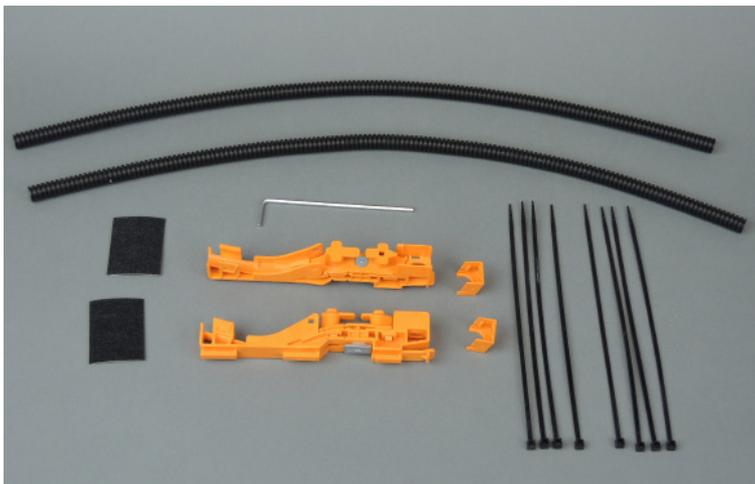
NOTE:

- the cable termination unit is designed to accommodate 1x IFC-cable with a maximum cable diameter of 8.5mm
- the cable needs to be flexible enough and allow a minimum bend radius less than 75mm
- the kit contains all parts to install 2 pieces of IFC cable on 1 FACT-element

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1 General

1.1 Kit content

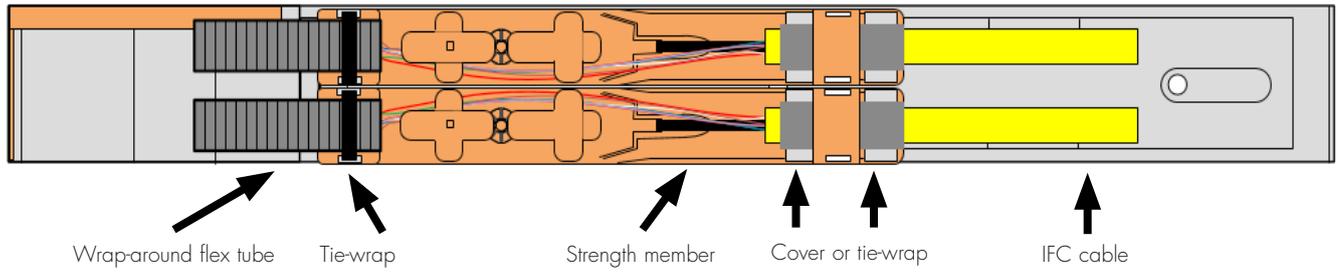


- 2x Cable termination unit small
- 2x Cover cable termination unit small
- 2x Wrap-around flex-tube 430mm
- 2x Foam
- 8x Tie-wrap black
- 1x Allen key

1.2 Tool required

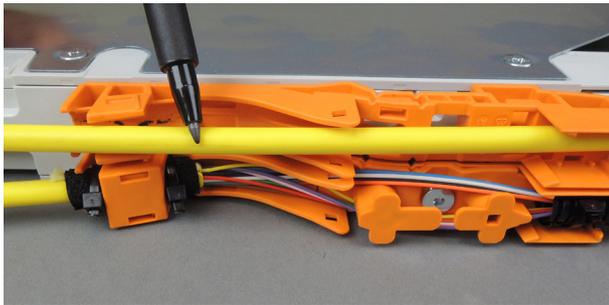
Standard installation tooling for fiber optic cable

1.3 Example drawing

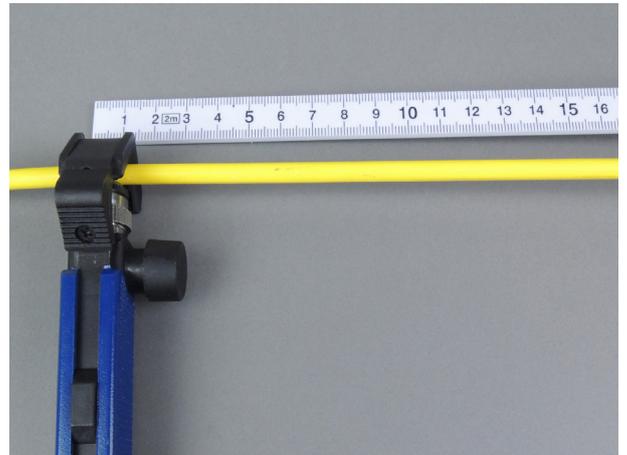


2 Cable preparation

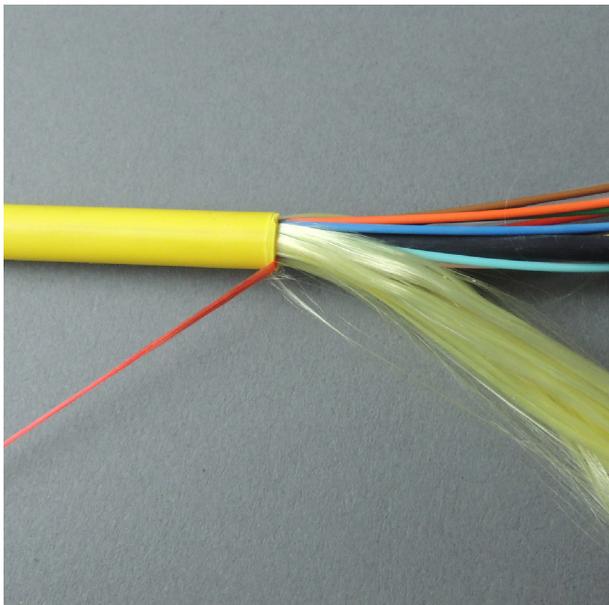
2.1 General cable preparation



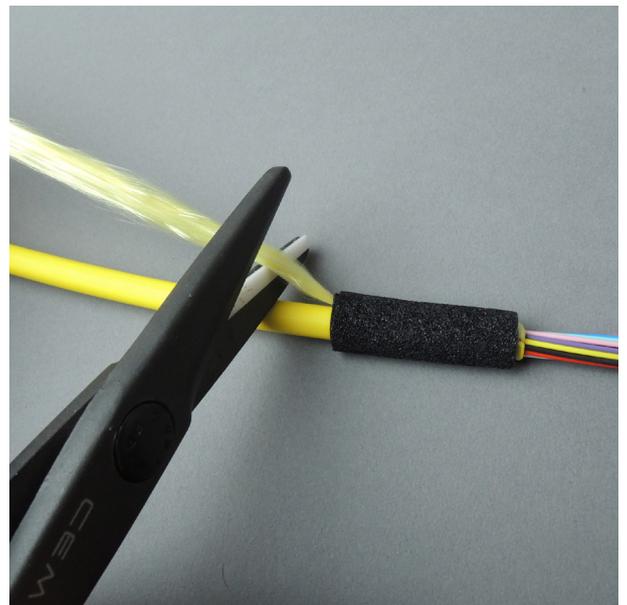
- 2.1.1 - mark the stripping point on the cable jacket
- make sure you have at least 2 meters of cable left



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

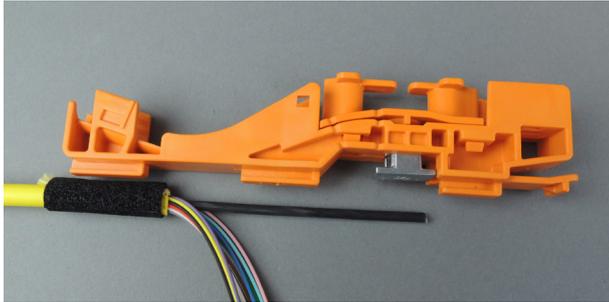


- 2.1.3 Use the rip-cord to strip off the cable jacket

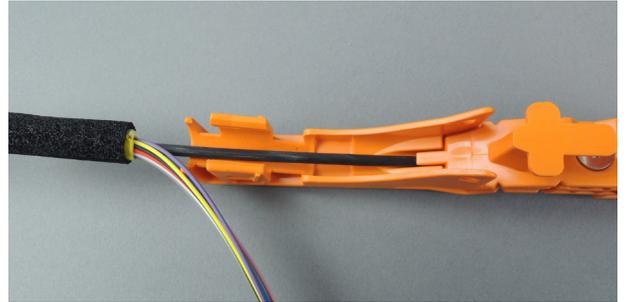


- 2.1.4 - Separate the aramid yarn from the 900µm carefully
- Turn the aramid yarn
- Apply a foam
- Cut off the unnecessary aramid yarn

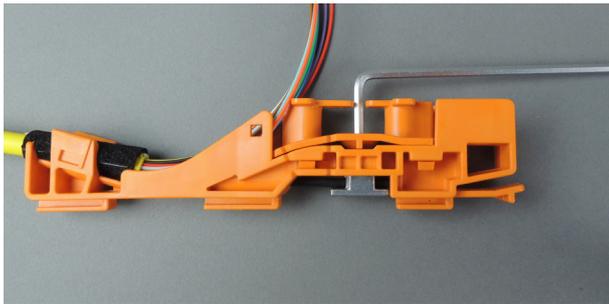
2.2 Cable preparation with central strength member



2.2.1 In case your cable contain a central strength member:
Cut the strength member on length of +/- 70mm



2.2.2 Feed the strength member to the backside



2.2.3 Fix the strength member by using the Allen key



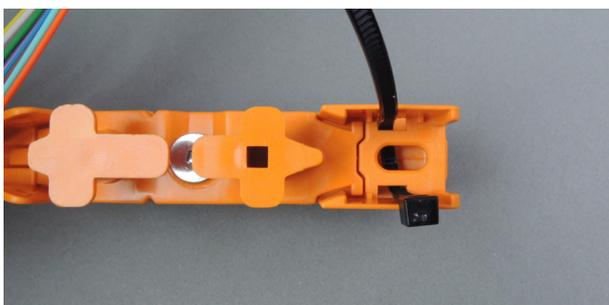
2.2.4 Fix the cable with 2 tie-wraps and cut them

2.3 Cable preparation without central strength member



2.3.1 Fix the cable with 2 tie-wraps and cut them

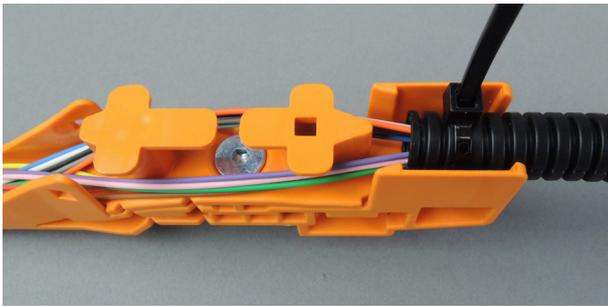
3 Routing and termination on FACT – splice element



3.1 Install the tie-wrap like shown in the picture



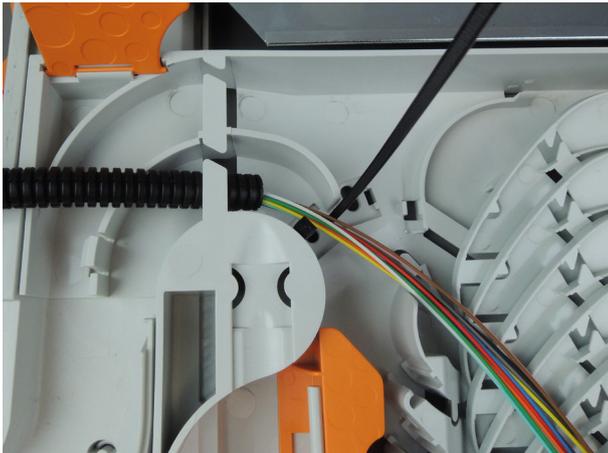
3.2 Feed the fiber through the flex tube



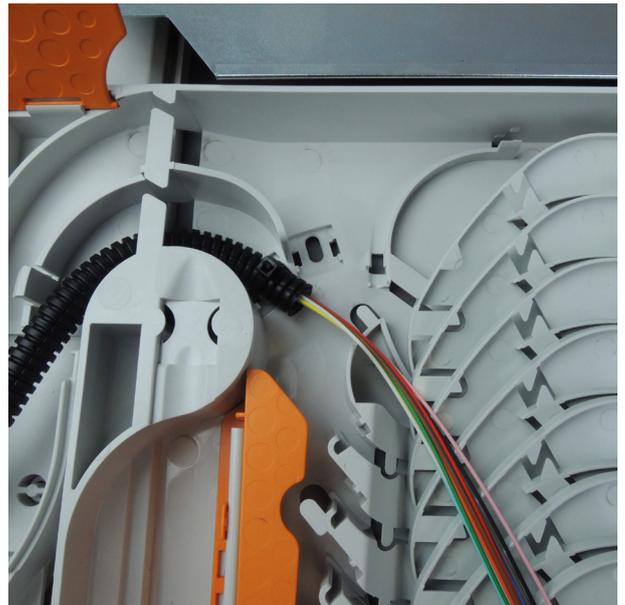
3.3 Fix the flex-tube with a tie-wrap like shown in the picture



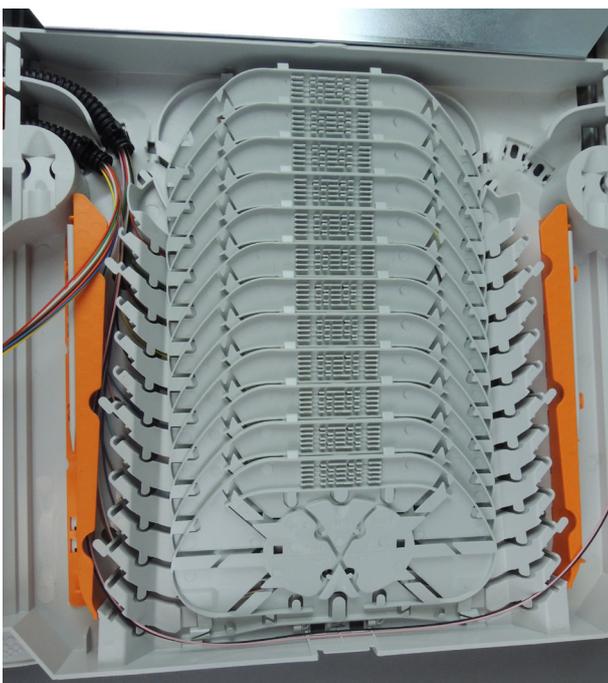
3.4 Install the tie-wrap like shown in the picture



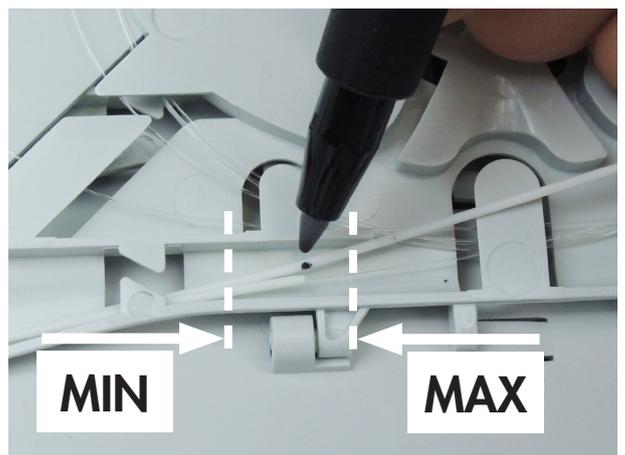
3.5 Open the orange covers and guide the flex-tube into the splice drawer



3.6 Fix the flex-tube with tie-wrap on splice drawer
Repeat this steps for the second IFC-cable as well



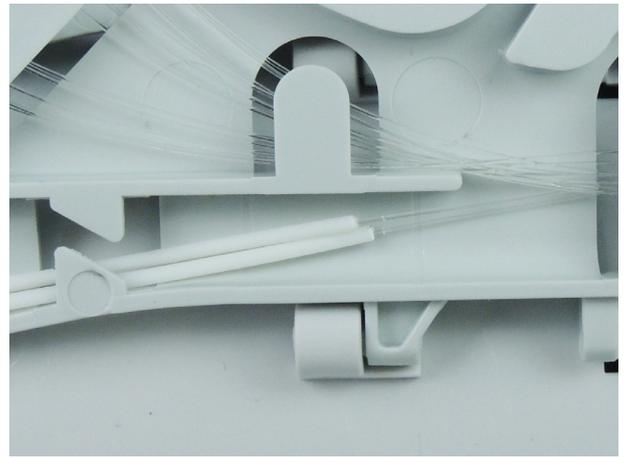
3.7 Route the fiber throughout the groove plate to the dedicated splice trays



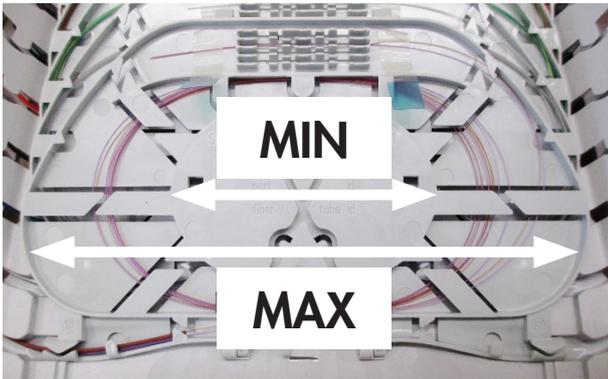
3.8 Route the 900 μ m fiber to the splice tray and mark the stripping point to 250 μ m (stripping zone marked on tray)



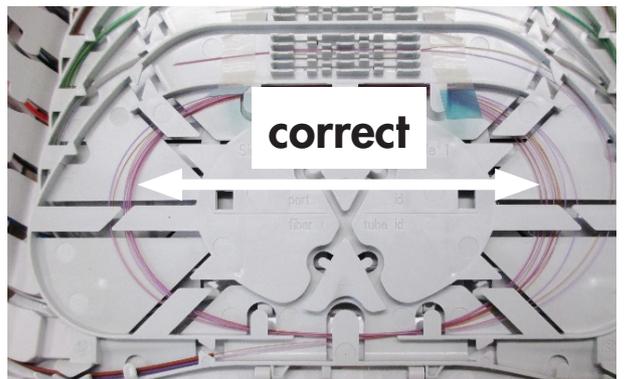
3.9 Strip the 900µm to 250µm with a proper tool



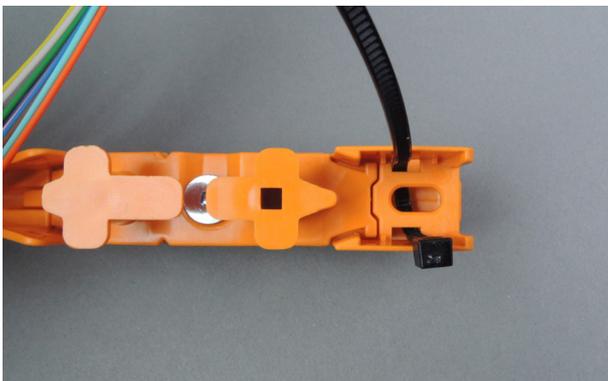
3.10 Check the proper routing of the fiber into the splice tray



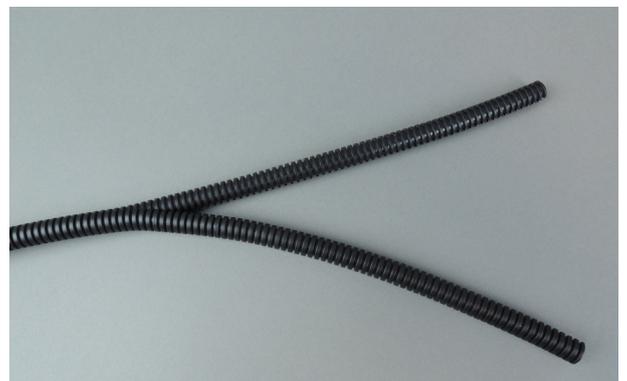
3.11 Attention to correct fiber storage - A properly stored fiber don't touch the bend radius limiter on inner or outer side and can move freely



4 Routing and termination on FACT – splice/patch element



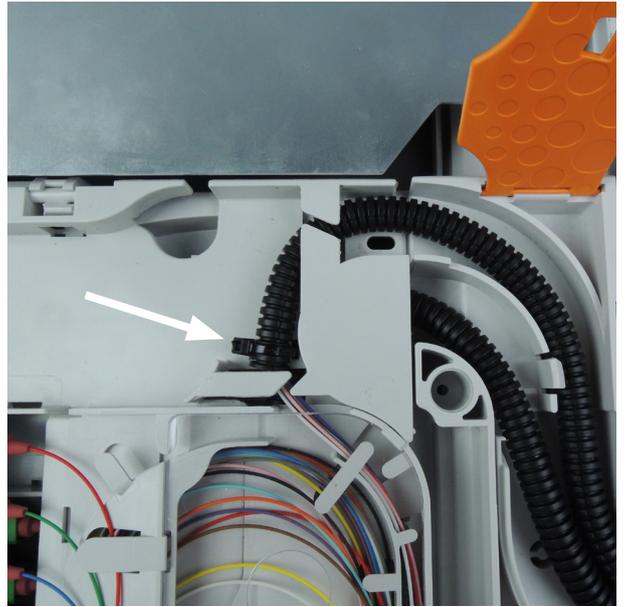
4.1 Install the tie-wrap like shown in the picture



4.2 In case the IFC-cable is already connectorized:
Split the flex-tube into two half, it's a wrap-around flex-tube



4.3 If you bend the flex-tube the slot becomes slightly bigger, so that the 900µm fiber can be installed easier
Close the flex-tube with the second half carefully



4.4 Fix the flex-tube on the splice-patch tray with a tie-wrap

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