FACT Cable Termination Unit

INSTALLATION INSTRUCTION

FACT-CTU-M-IFC

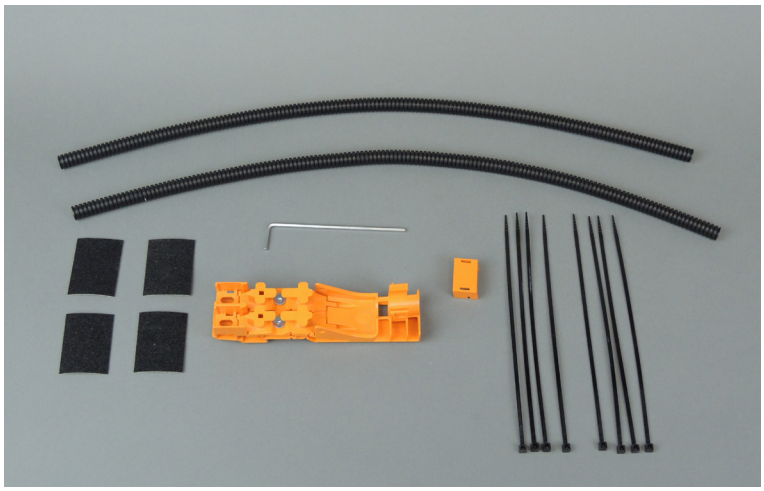
NOTE:

- **the cable termination unit is designed to accommodate up to 4x IFC-cable with a maximum cable diameter of 7mm**
- **the cable needs to be flexible enough and allow a minimum bend radius less than 75mm**
- **the kit contains all parts to install 4 pieces of IFC cable on 1 FACT-element**

CONTENT

1 General

1.1 Kit content

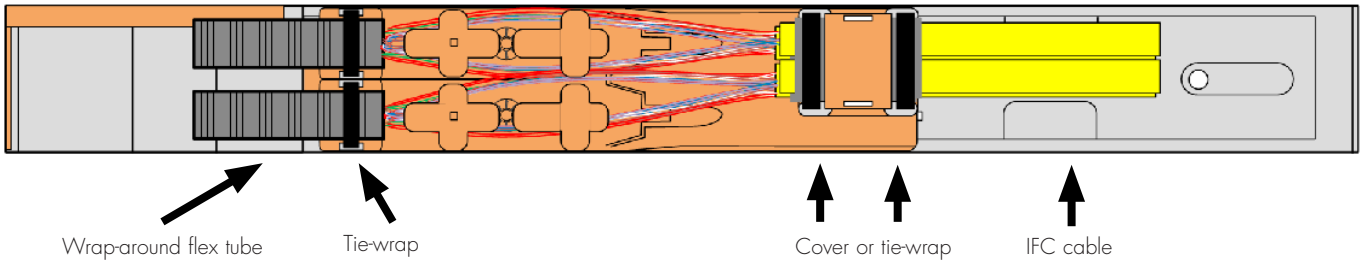


1x Cable termination unit medium
1x Cover cable termination unit medium
2x Wrap-around flex-tube 430mm
4x Foam
8x Tie-wrap black
1x Allen key

1.2 Tool required

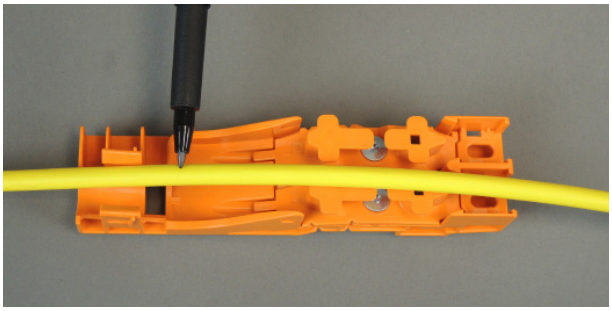
Standard installation tooling for fiber optic cable

1.3 Example drawing



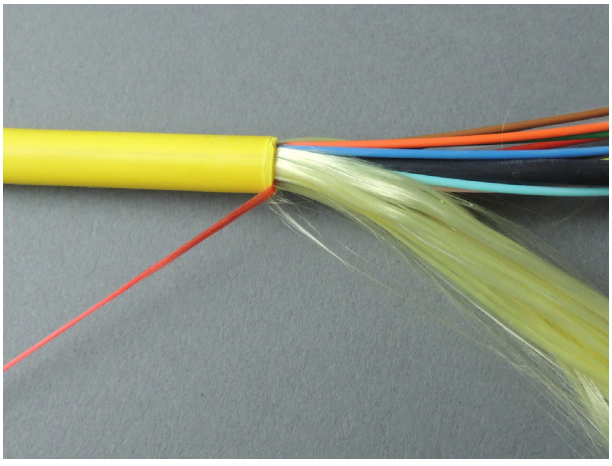
2 Cable preparation

2.1 General cable preparation

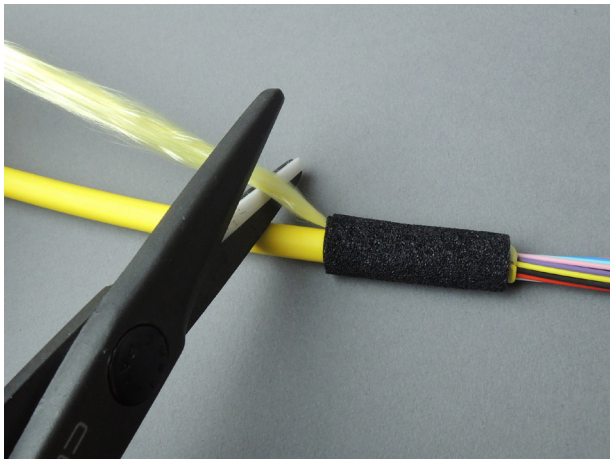


2.1.1 - mark the stripping point on the cable jacket
- make sure you have at least 2 meters of cable left

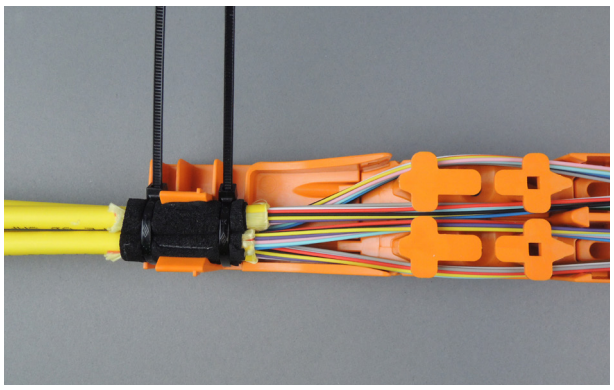
2.1.2 Cut the cable jacket at the marked point and approx. 150mm from the cable end to get access to the rip-cord



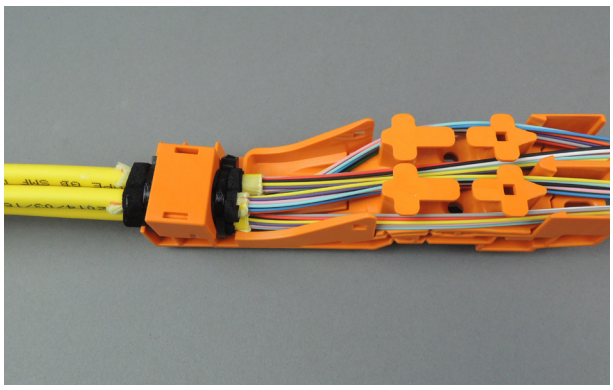
2.1.3 Use the rip-cord to strip off the cable jacket



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

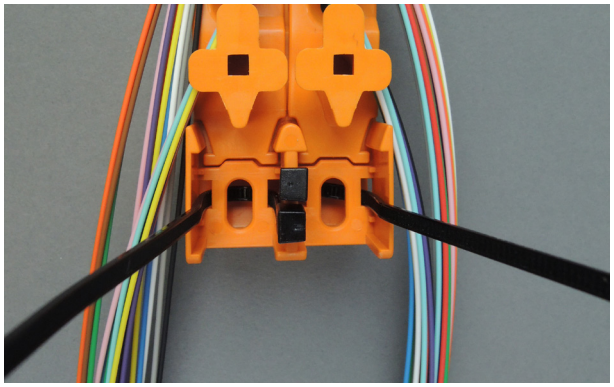


2.1.5 Fix all 4 cables with 2 tie-wraps and cut them

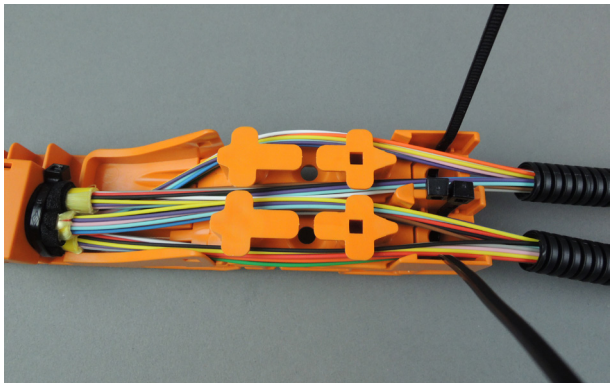


2.1.6 Install the cover

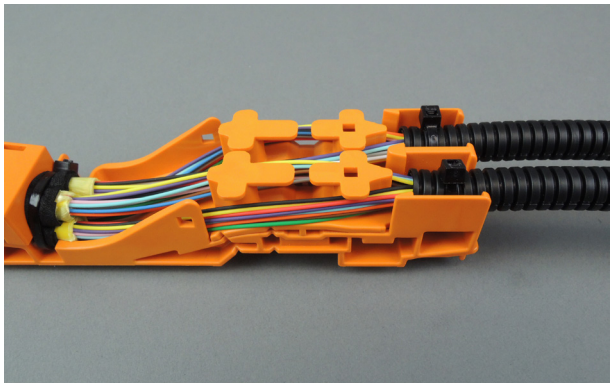
3 Routing and termination on FACT – splice element



3.1 Install the tie-wraps like shown in the picture

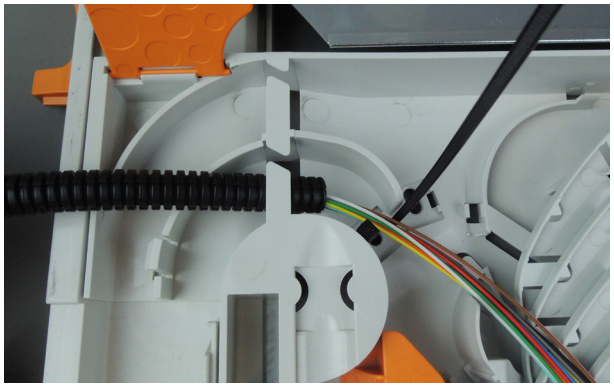


3.2 Route IFC-1 over the top trumpets, IFC-2 and IFC-3 in between and IFC-4 under the lower trumpets and feed 24 fibers each through both flex-tubes

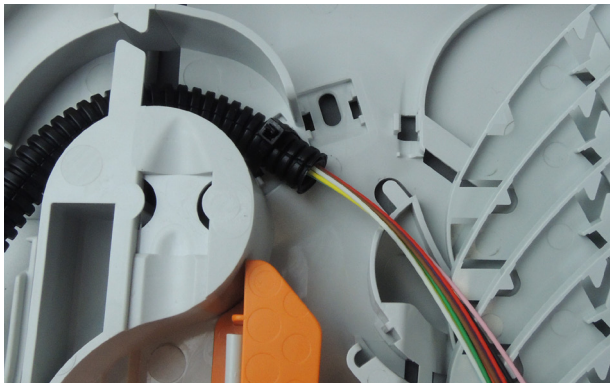


3.3 Fix the flex-tube with tie-wrap like shown in the picture

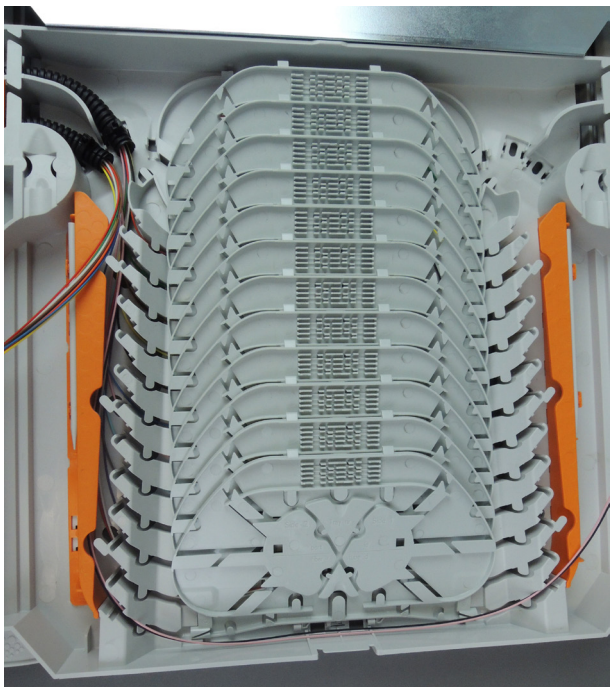
3.4 Install the tie-wrap like shown in the picture



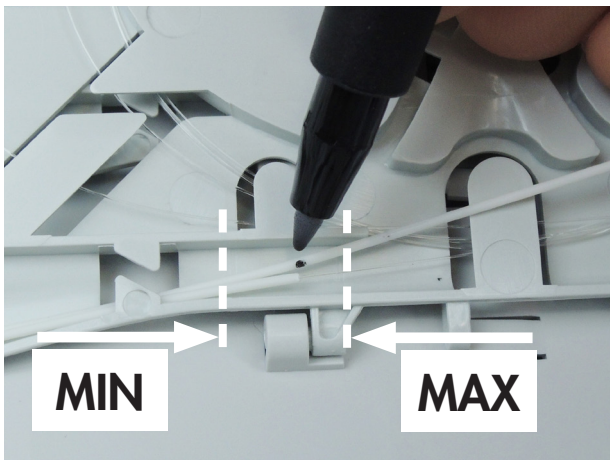
3.5 Open the orange covers and guide the flex-tube into the splice drawer



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

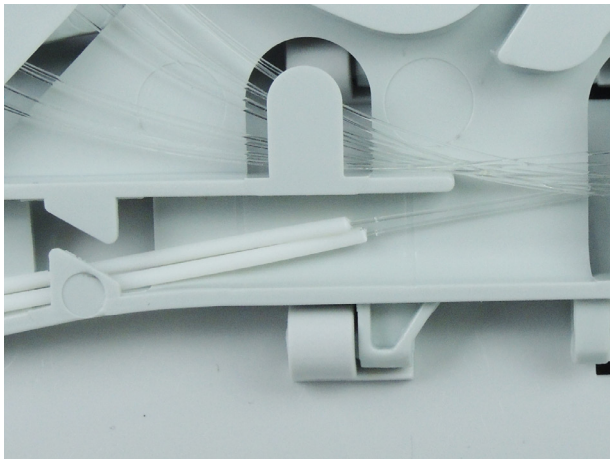


3.7 Route the fiber throughout the groove plate to the dedicated splice trays

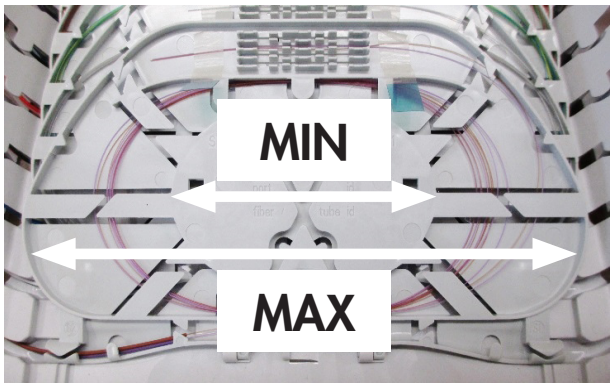


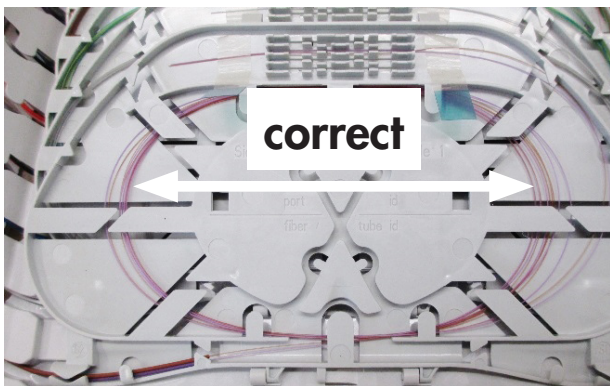
3.8 Route the 900µm fiber to the splice tray and mark the stripping point to 250µm (stripping zone marked on tray)

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



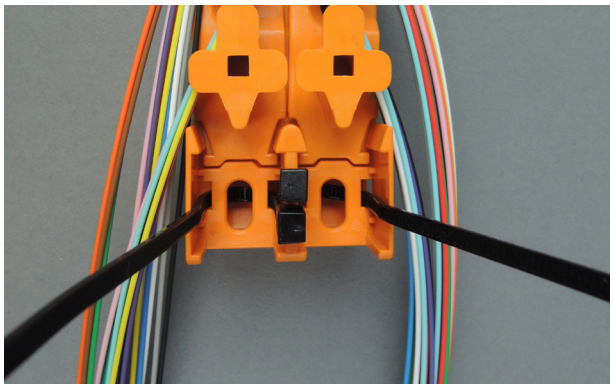
3.10 Check the proper routing of the fiber into the splice tray



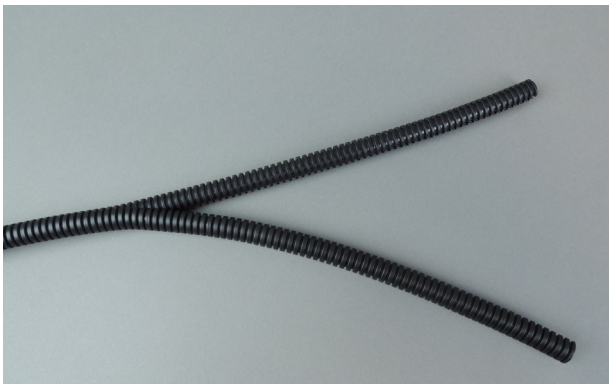


3.11 Attention to correct fiber storage - A properly stored fiber don't touch the bend radius limiter on inner or outer side and can move freely

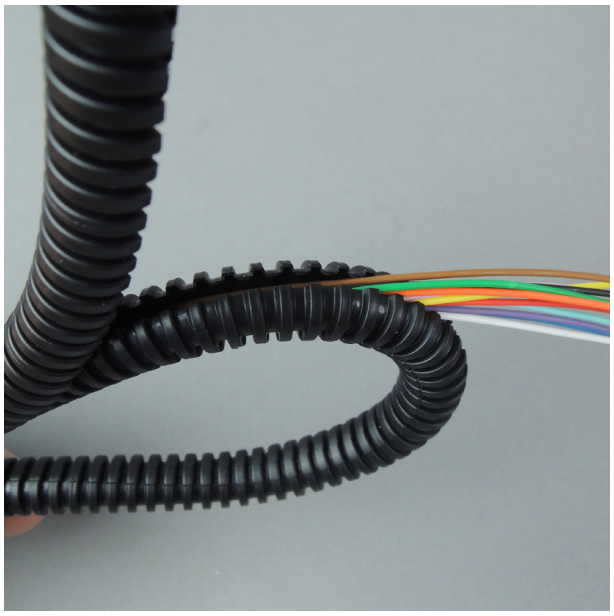
4 Routing and termination on FACT – splice/patch element



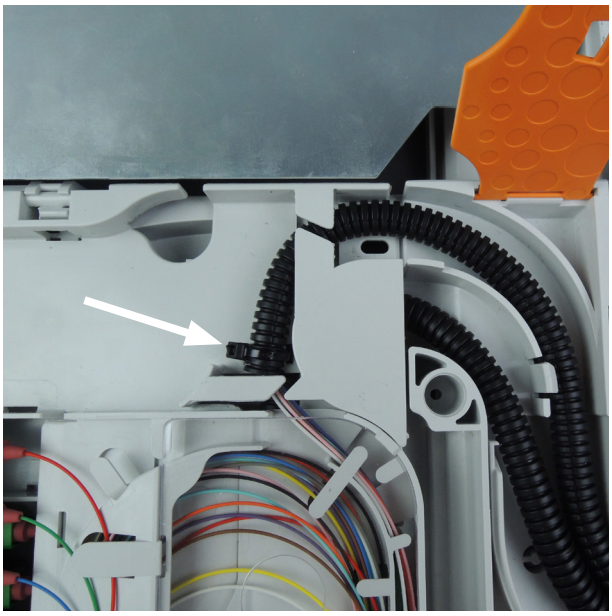
4.1 Install the tie-wrap like shown in the picture



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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TC 1338/3/IP/1 07/16