

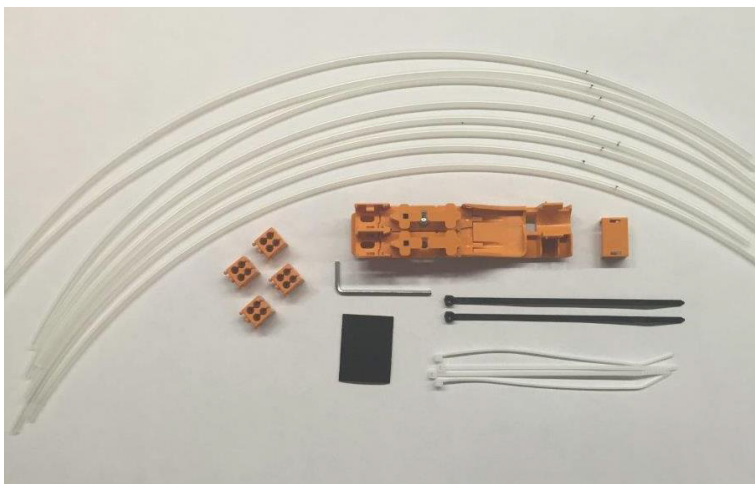
FACT-CTU-M-LT

NOTE:

- the cable termination unit is designed to accommodate 1x fiber-cable with a maximum cable diameter of 15mm or 1x flex-tube 12/16mm
- the cable needs to be flexible enough and allow a bend radius less than 75mm
- for fiber bundles with a diameter less than 2.1mm
- the kit contains all parts to install 1 pieces of fiber-cable/flex-tube on up to 2 FACT-element

CONTENT	1	General 1.1 Kit content 1.2 Tools required 1.3 Example drawing
	2	Cable preparation 2.1 General cable preparation 2.2 Cable without central strenght member 2.3 Cable with central strength member 2.4 1x flex-tube 12/16
	3	Routing and termination on FACT - splice element

1 General

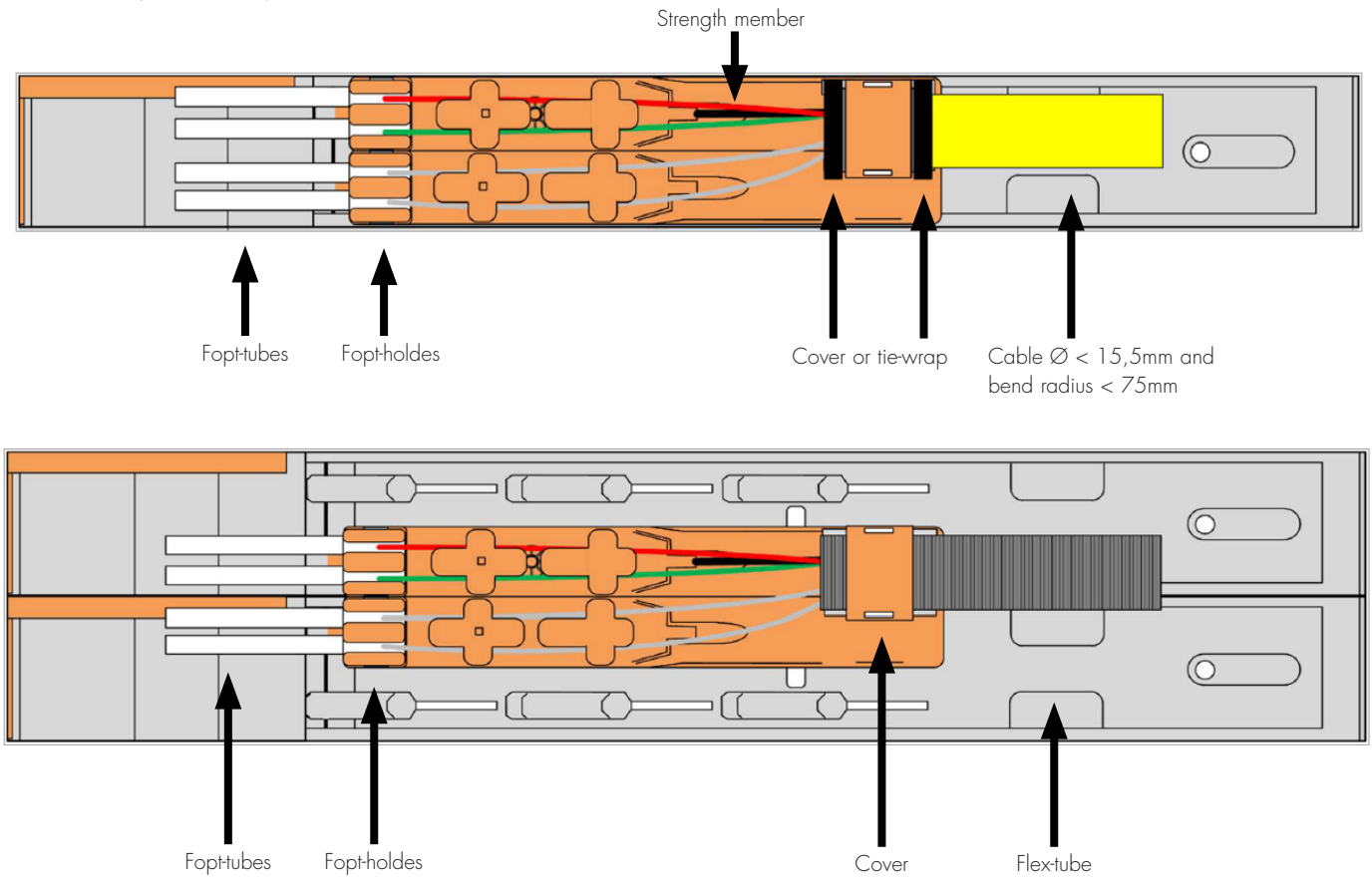


- 1x Cable termination unit medium
- 1x Cover for 1x flex-tube 12/16mm
- 4x Fopt-holder
- 8x Fopt-tube 510mm (marker at 400mm)
- 1x Foam
- 2x Tie-wrap black
- 4x Tie-wrap white
- 1x Allen key

1.2 Tool required

Standard installation tooling for fiber optic cable

1.3 Example drawing

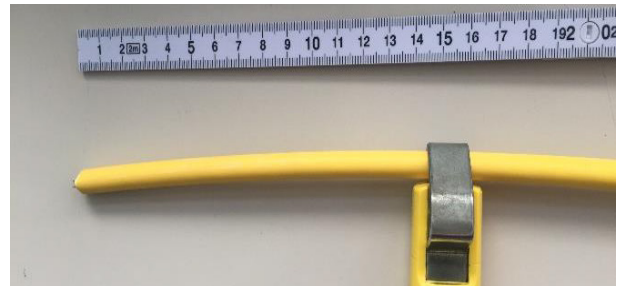


2 Cable preparation

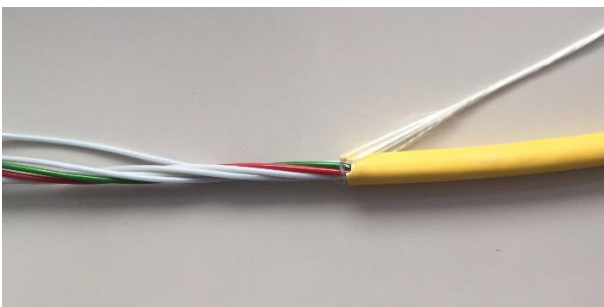
2.1 General cable preparation



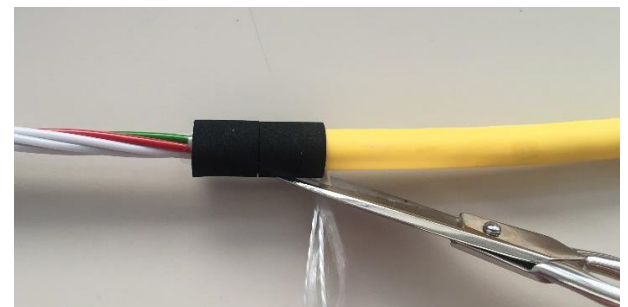
- 2.1.1 - mark the stripping point on the cable jacket
 - make sure you have at least 2 meters of cable left



- 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

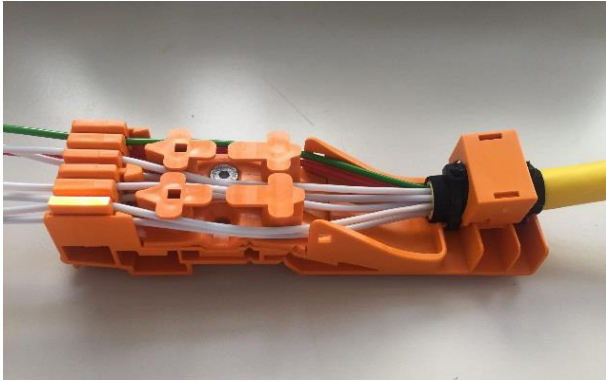


- 2.1.3 Use the rip-cord to strip off the cable jacket



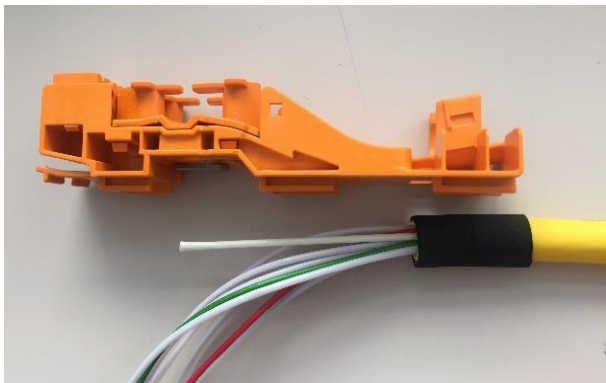
- 2.1.4 - Separate the aramid yarn from the loose-tubes carefully
 - Turn the aramid yarn
 - Apply a foam
 - Cut off the unnecessary aramid yarn

2.2 Cable without central strength member

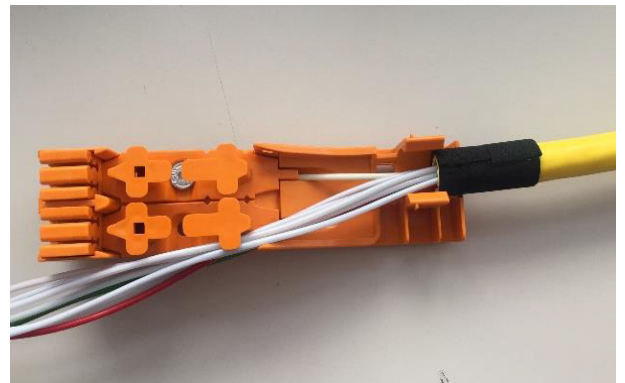


2.2.1 Fix the cable with 2 tie-wraps, cut them and install the cab

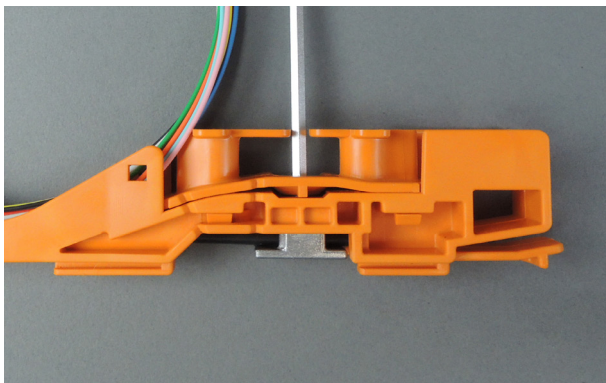
2.3 Cable preparation with central strength member



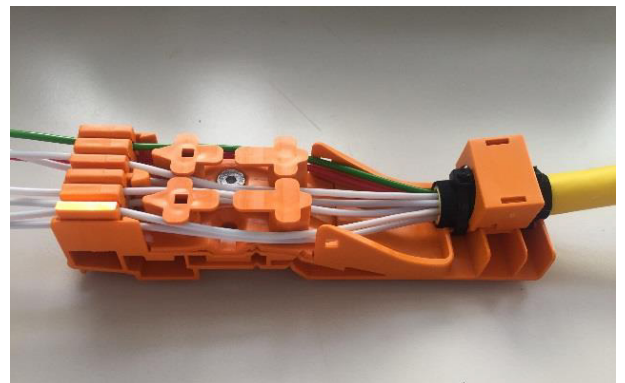
2.3.1 Cut the strength member on length of +/- 70mm



2.3.2 Feed the strength member to the backside

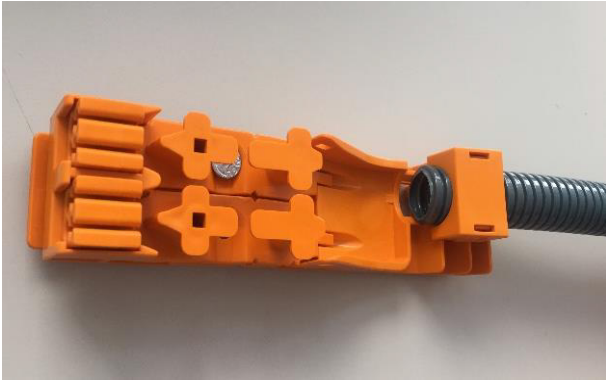


2.3.3 Fix the strength member by using the Allen key

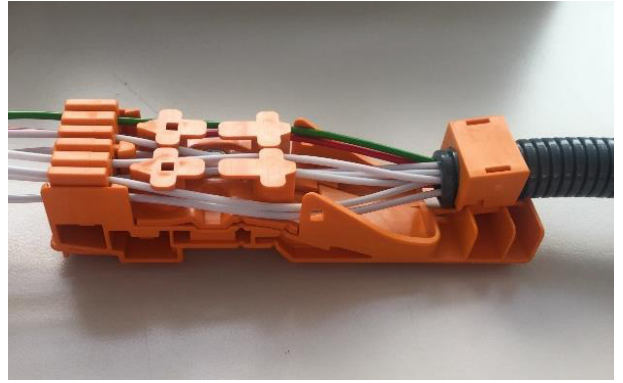


2.3.4 Fix the cable with 2 tie-wraps, cut them and install the cab

2.4 1x flex-tube 12/16



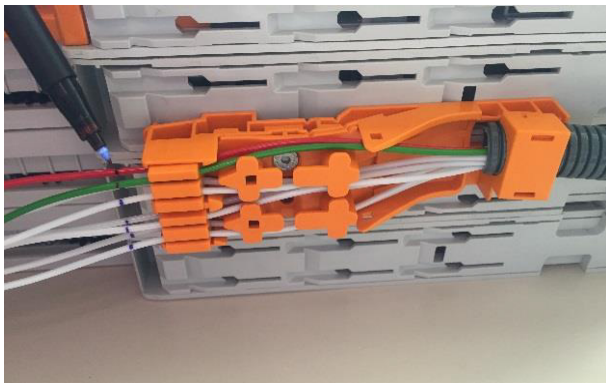
2.4.1 Install 12/16mm flex-tube with special cap like shown in the picture



2.4.2 Install fiber-bundles like shown in the picture

3 Routing and termination on FACT – splice element

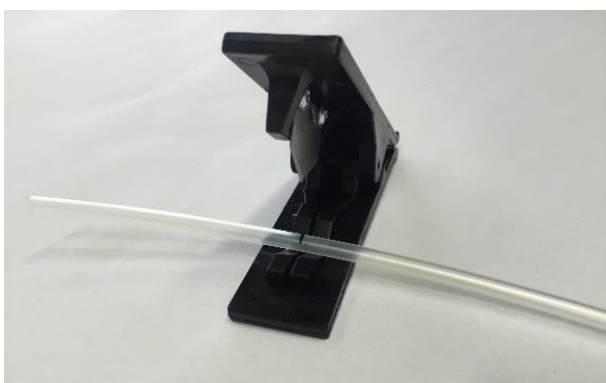
3.1 Outside termination



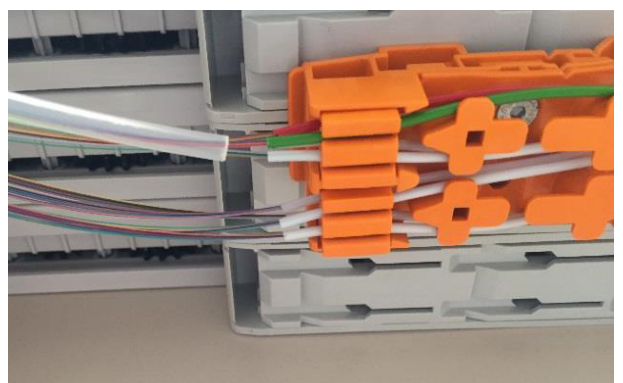
3.1.1 Mark the stripping point on the loose-tubes make sure that there is an overlap of 1cm behind the fopt-holder



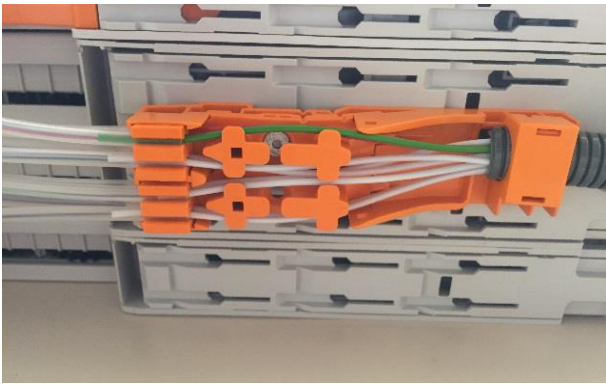
3.1.2 Cut the loose-tube at the marked point and clean the fibers



3.1.3 Cut the fopt-tubes at the mark (400mm)

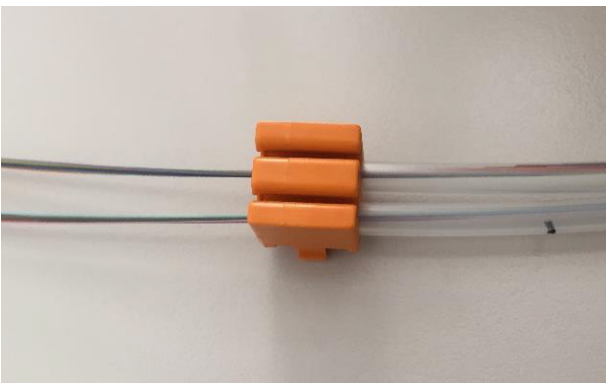


3.1.4 Slide the fopt tube over the fiber bundle

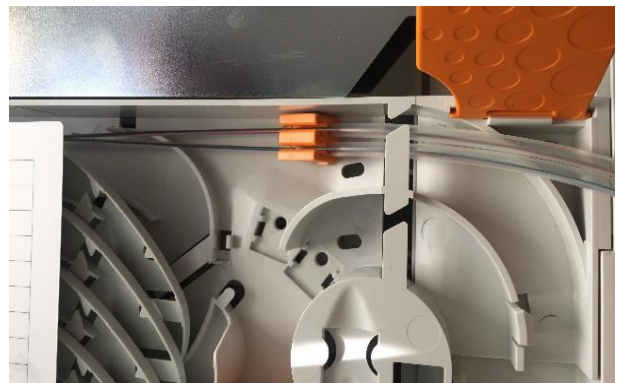


3.1.5 Put the fopt-tube into the fopt-holder
make sure the fopt-tube is pushed to the end

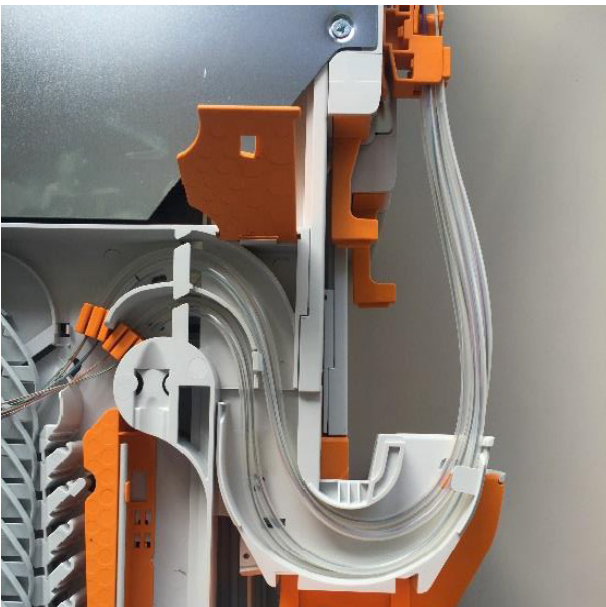
3.2 Inside routing and termination



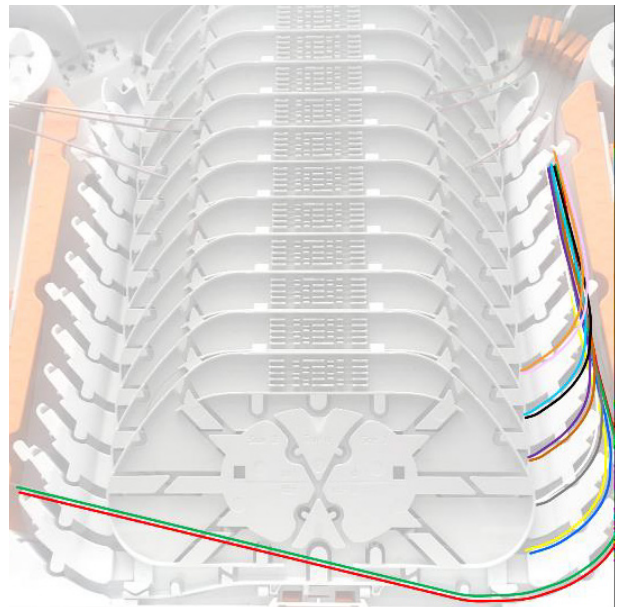
3.2.1 Put the fopt tubes into the fopt-holder
in case of installing 5 up to 8 fopt-tubes use 2
fopt-holder



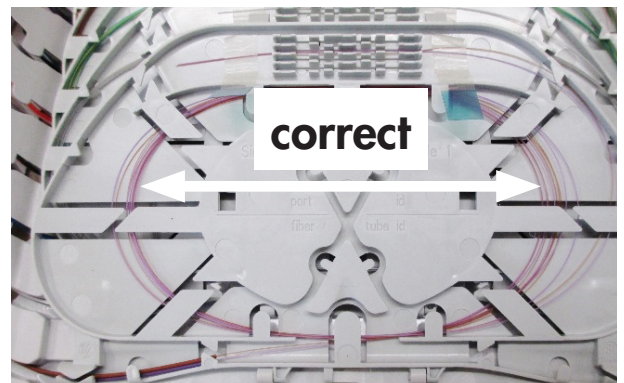
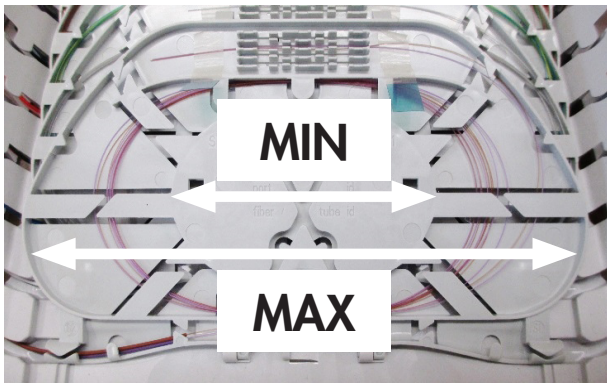
3.2.2 Open the orange covers and guide the fopt-tube
into the splice drawer



3.2.3 Click the fopt-holder(s) into the splice drawer
and guide the fopt-tubes as shown in the picture



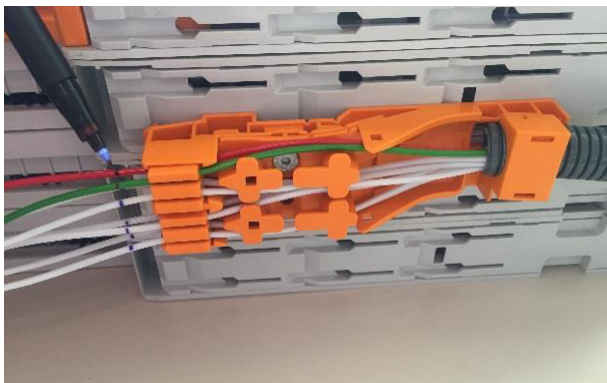
3.2.4 Route the fiber throughout the groove plate to
the dedicated splice trays



3.2.5 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

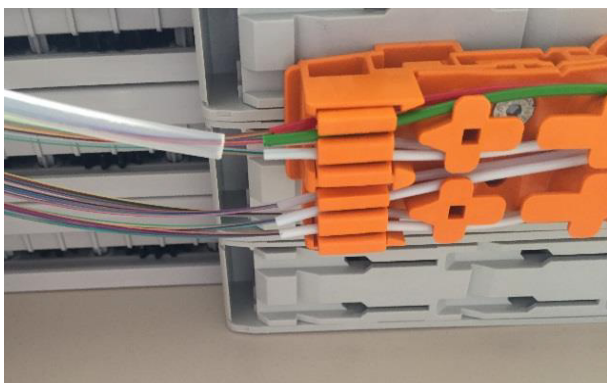
4.1 Outside termination



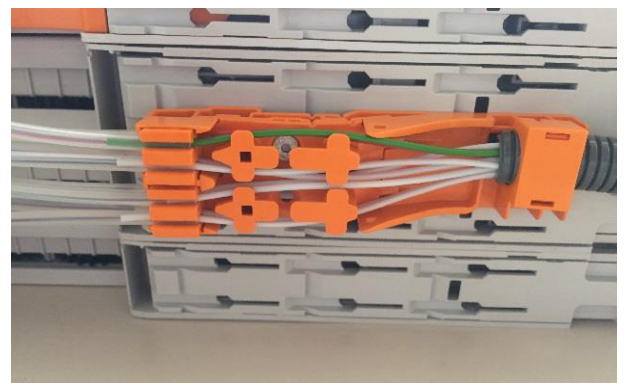
4.1.1 Mark the stripping point on the loose-tubes make sure that there is an overlap of 1cm behind the fopt-holder



4.1.2 Cut the loose-tube at the marked point and clean the fibers

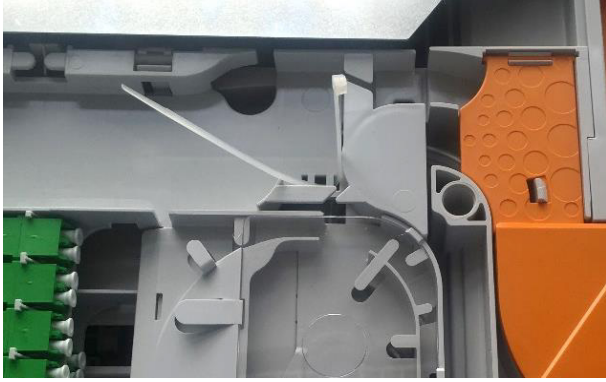


4.1.3 Slide the fopt-tube over the fiber bundle



4.1.4 Put the fopt-tube into the fopt-holder make sure the fopt-tube is pushed to the end

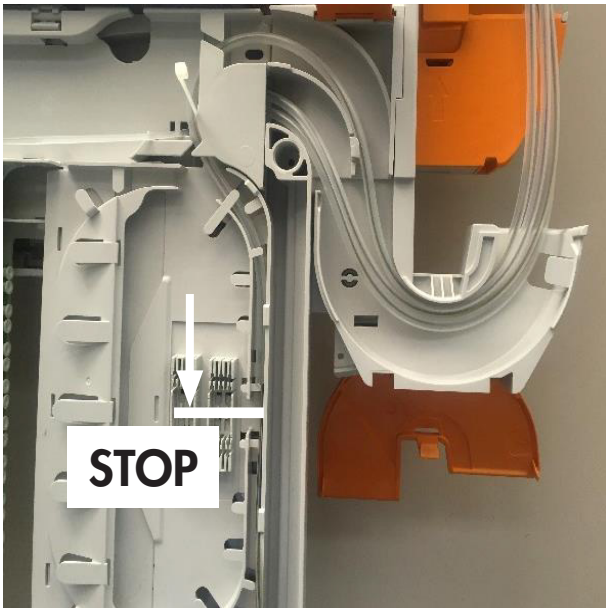
4.2 Inside routing and termination



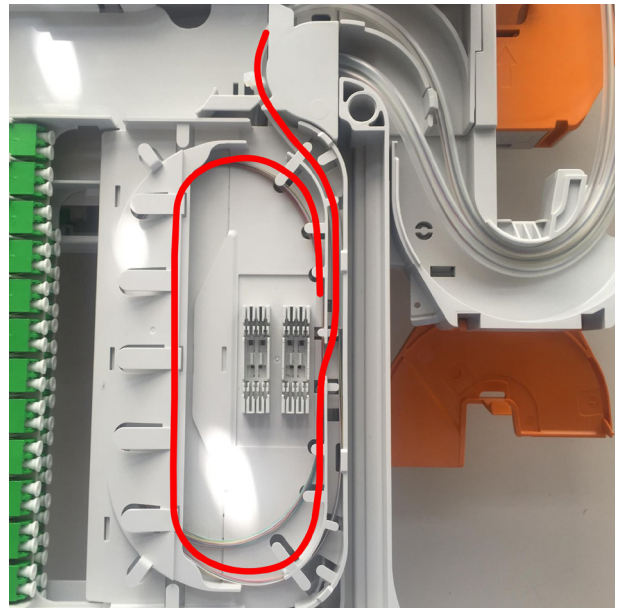
4.2.1 Install the white tie-wrap like shown in the picture



4.2.2 Open the orange covers and guide the foptube(s) into the splice/patch drawer



4.2.3 Guide the foptube(s) under the lids into the splice cassette stop at the mark as shown on the picture



4.2.4 Fix the foptube(s) with the tie-wrap and store the fiber in the splice cassette

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