

**FACT-CTU-S-LT**

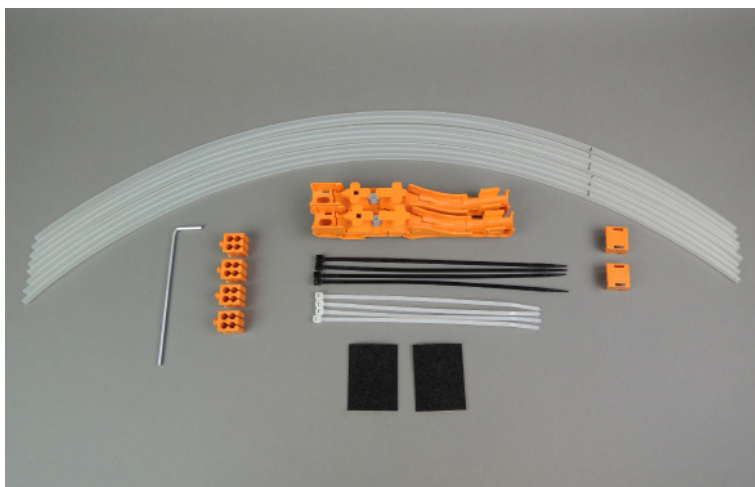
**NOTE:**

- the cable termination unit is designed to accommodate 1x fiber-cable with a maximum cable diameter of 8.5mm or 1x flex-tube 6/10mm
- 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 2 pieces of fiber-cable/flex-tube on 1 FACT-element

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**1 General**

1.1 Kit content

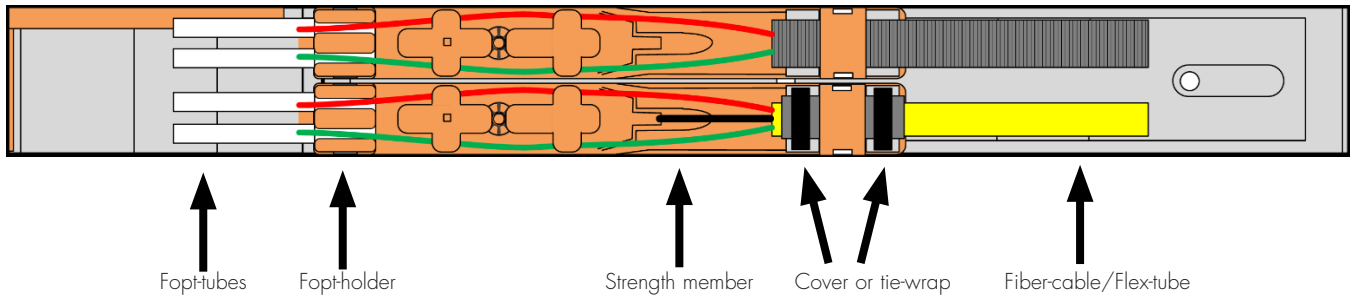


- 2x Cable termination unit small
- 2x Cover cable termination unit small
- 4x Fopt-holder
- 8x Fopt-tube 510mm (marker at 400mm)
- 2x Foam
- 4x Tie-wrap black
- 4x Tie-wrap white
- 1x Allen key

1.2 Tool required

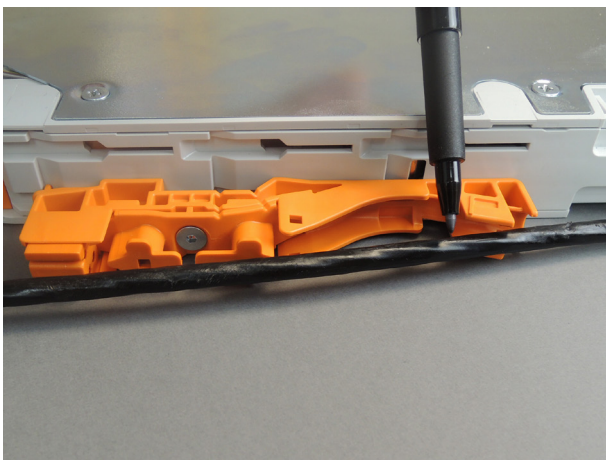
Standard installation tooling for fiber optic cable

### 1.3 Example drawing



## 2 Cable preparation

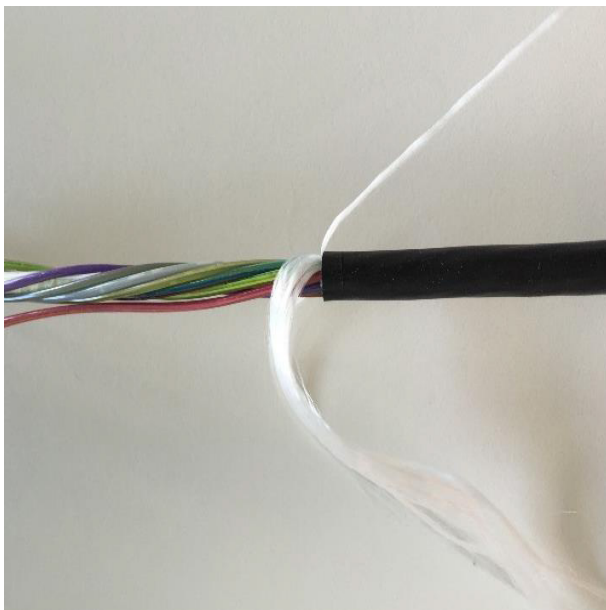
### 2.1 General cable preparation



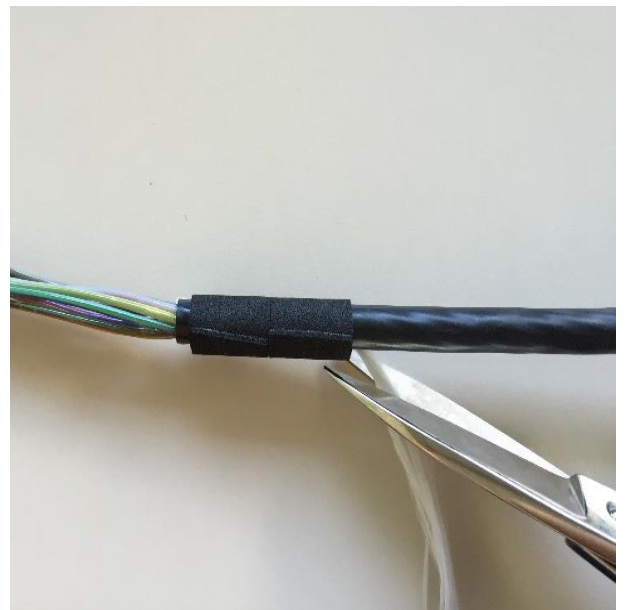
- 2.1.1 - mark the stripping point on the cable jacket  
- make sure you have at least 2 meters of cable left



- 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

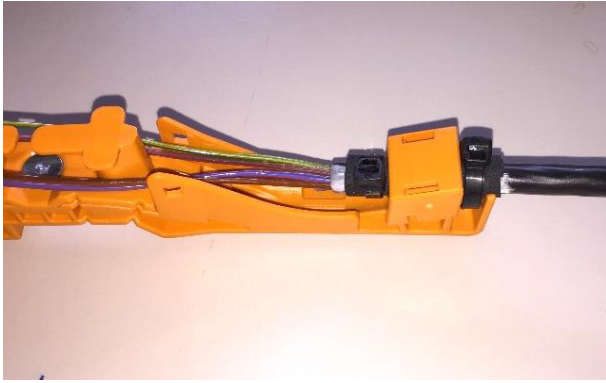


- 2.1.3 Use the rip-cord to strip off the cable jacket



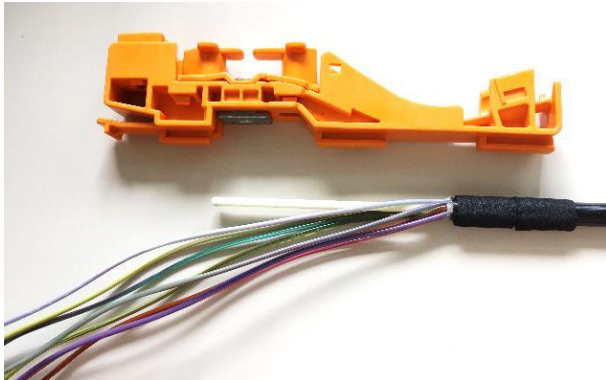
- 2.1.4 - Separate the aramid yarn from the loose-tubes carefully  
- Turn the aramid yarn  
- Apply a foam  
- Cut off the unnecessary aramid yarn

## 2.2 Cable preparation without central strength member

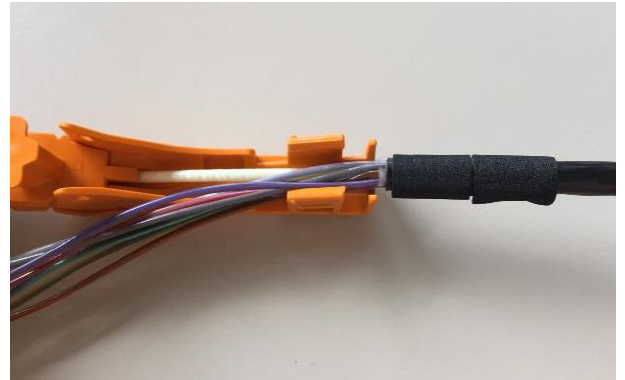


2.2.1 Fix the cable with 2 tie-wraps, cut them and install the cab

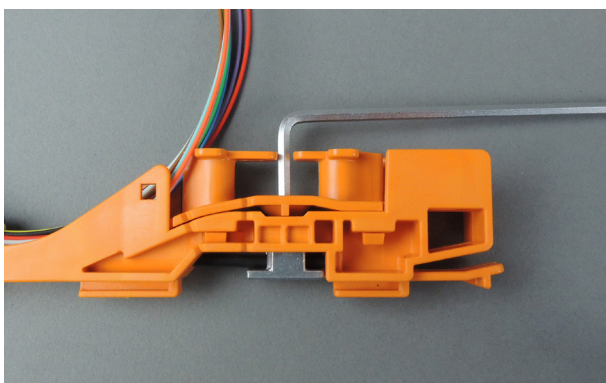
## 2.3 Cable preparation with central strength member



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



2.3.2 Feed the strength member to the backside

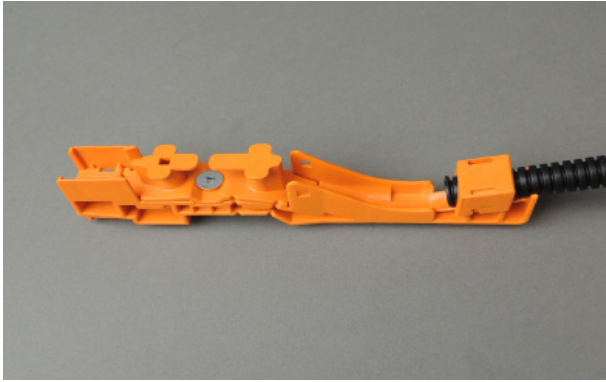


2.3.3 Fix the strength member by using the Allen key



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

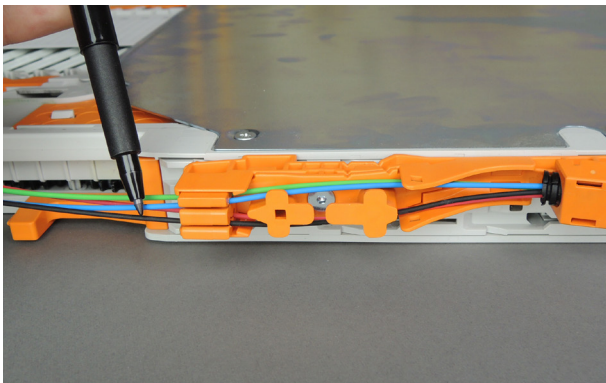
## 2.4 Flex-tube 6/10



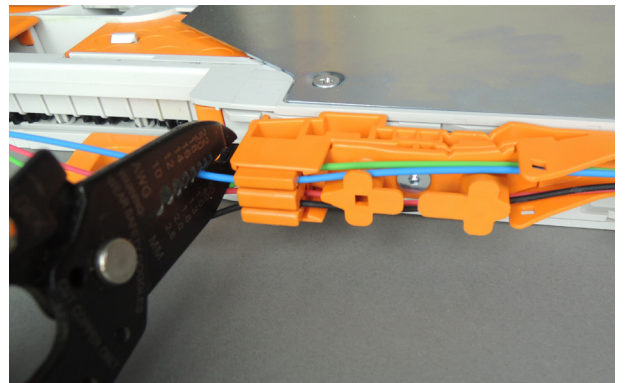
2.4.1 Install the flex-tube like shown in the picture

## 3 Routing and termination on FACT – splice element

### 3.1 Outside termination



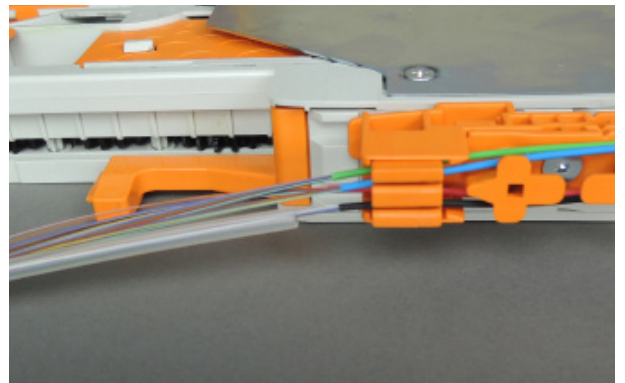
3.1.1 Mark the stripping point on the loose-tubes make sure that there is an overlap of 1cm behind the fopt-holder



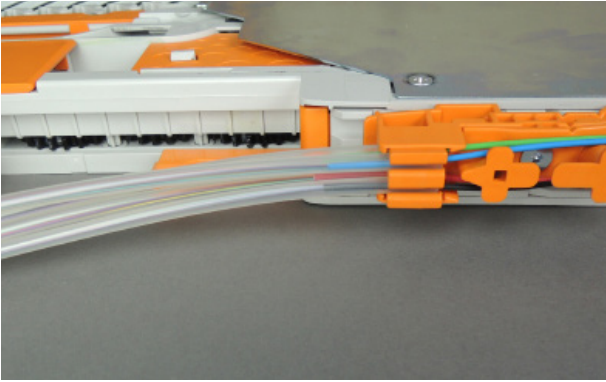
3.1.2 Cut the loose-tube at the marked point and clean the fibers



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

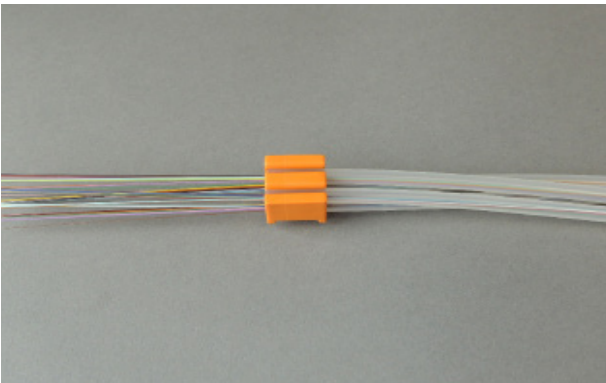


3.1.4 Slide the fopt tube over the fiber bundle



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



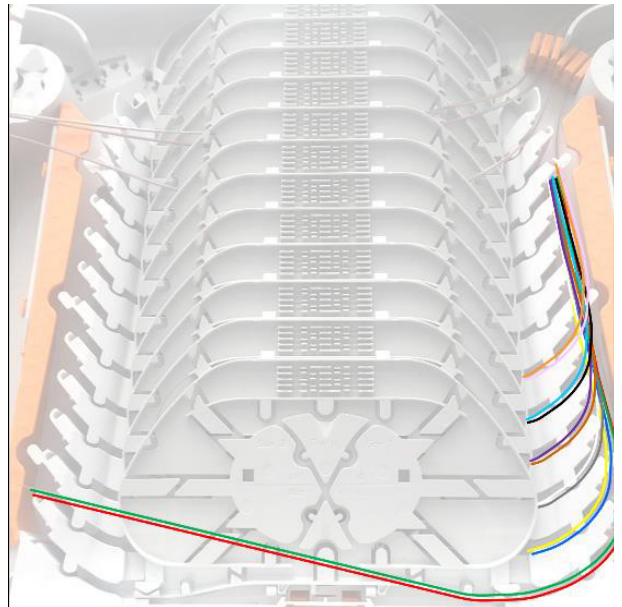
3.2.1 Put the fopt tubes into the fopt-holder  
in case of installing 5 up to 8 fopt-tubes use 2  
fopt-holder



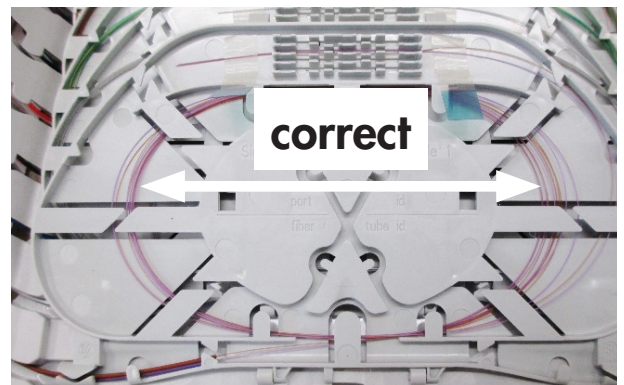
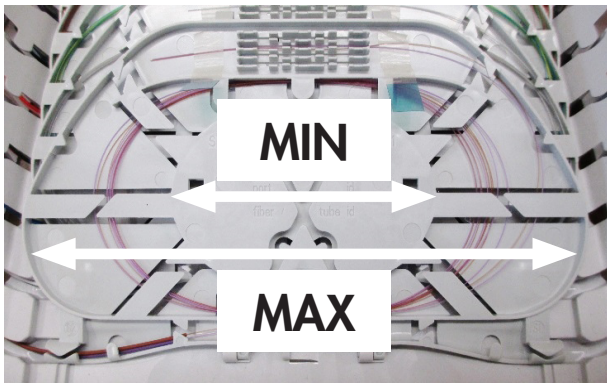
3.2.2 Open the orange covers and guide the fopt-tube  
into the splice drawer



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



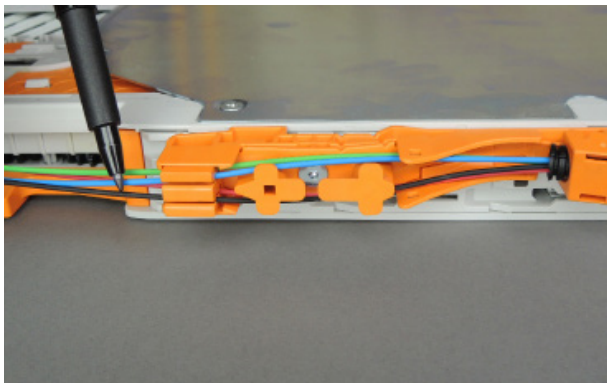
3.2.4 Route the fiber throughout the groove plate to  
the dedicated splice trays



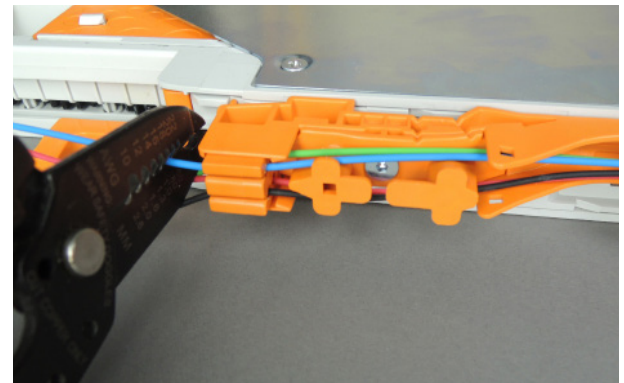
3.2.5 Attention to correct fiber storage - A properly stored fiber don't touch the bend radius limiter on inner or outer side and can move freely

#### 4 Routing and termination on FACT – splice/patch element

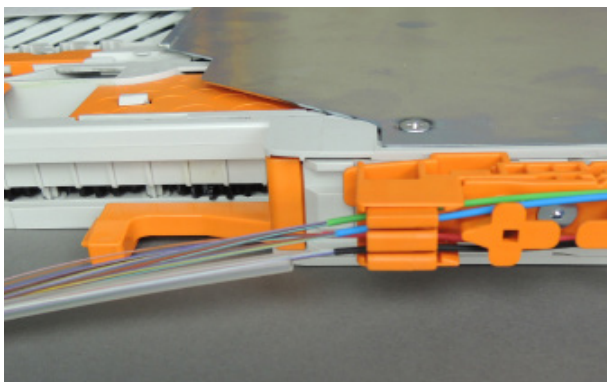
##### 4.1 Outside termination



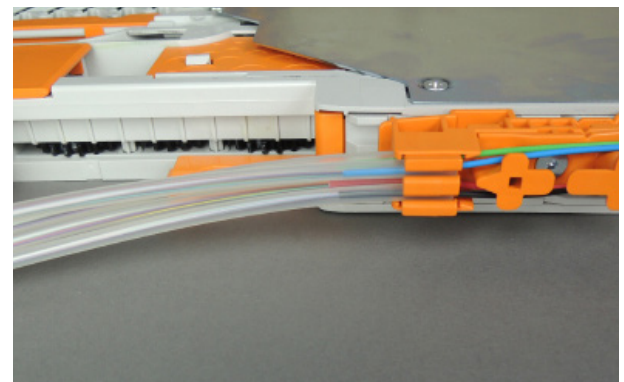
4.1.1 Mark the stripping point on the loose-tubes make sure that there is an overlap of 1cm behind the fopt-holder



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

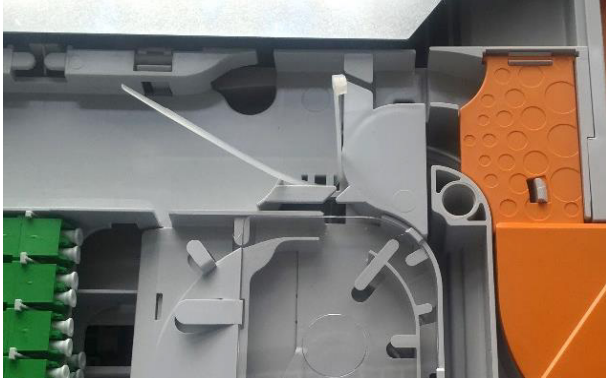


4.1.3 Slide the fopt tube over the fiber bundle



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

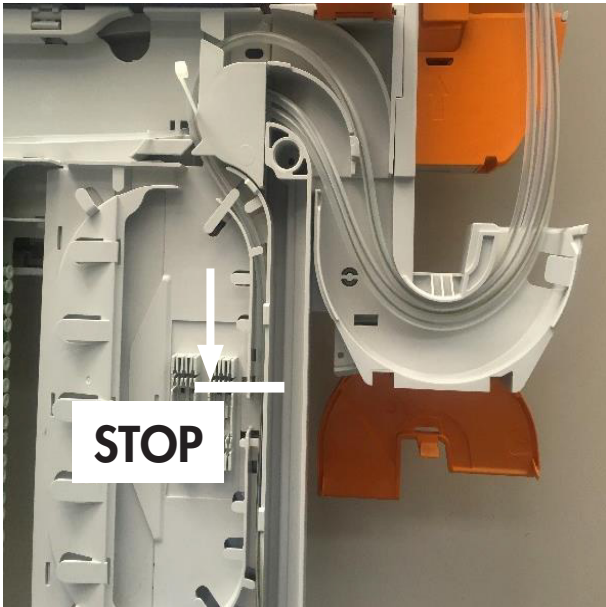
## 4.2 Inside routing and termination



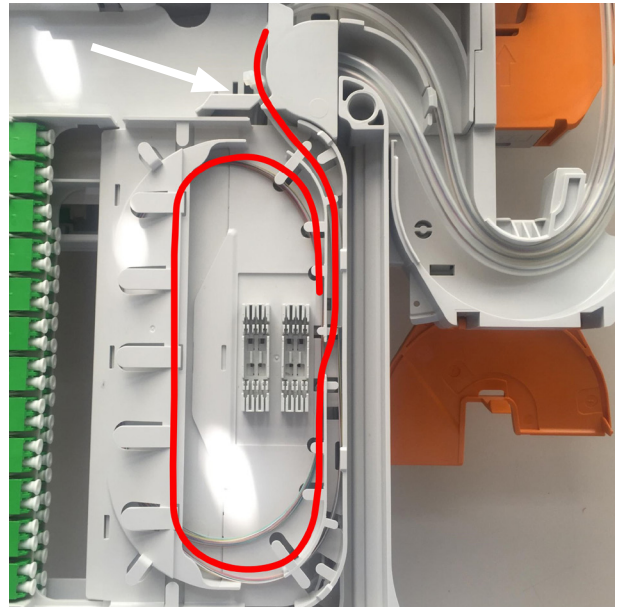
4.2.1 Install the white tie-wrap like shown in the picture



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



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



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

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