

## Installation instructions for the NAF FTTH 12-f joint closure



### Introduction

NAF FTTH joint closure can be placed directly in the ground. The purpose is to joint distribution or FTTH cables.

### Joint closure features:

- Suitable for extending FTTH cables at sites where the cable is too short or broken.
- Simple and sturdy construction
- Capacity for 12 splices
- Dimensions 240 x 45 x 80 mm
- Oval shaped
- Suitable for different cable structures
- Plastic frame, splice tray is made of powder coated steel.
- IP 68
- Can be placed directly on the ground.

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## Equipment for the joint closure

- Plastic housing
- Splice tray
- Heat-shrink tubing 63/19 x 200 mm, 1pc
- Branching piece for heat-shrink tube
- Equipment bag
  - Splice protection holder for 24 fibers, 1 pc
  - Grounding connector, 2 pcs
  - Corrugated arc fastener, 2 pcs
  - Grounding wire, 1pc
  - Fixing screw M4x12, 7 pcs
  - Cleaning wipe, 1 pc
  - Silica gel bag 25g, 1 pc



Equipment for NAF FTTH 12 joint closure

## Installation of joint closure

Clean the cables and mark the starting points for the peeling and peel the cables.

The length to be peeled, regardless of the type of cable, is 90 cm.



Thread the cable heads through the shrink.

Peel the cables.

If metal-free house cables are installed, cut all their strength members from the base of the mantle.

If FYO2PMU or FYO2PMU Mini cables with steel wires are installed, cut the steel wires to about 15 cm in length.



Metal-free FTTH cable FYO2RMU 3,5 kN  
(Nestor Cables)



FTTH cable with steel wires  
FYO2PMU/FYO2PMU Mini (Nestor Cables)

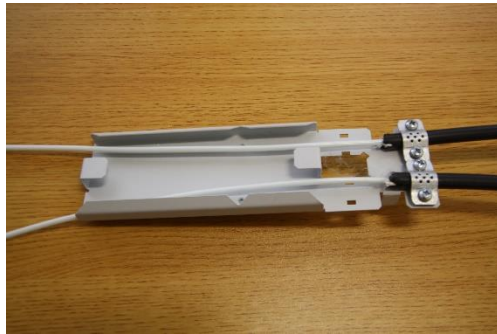
If FTTH cables with corrugated steel plates and steel wires are installed, split the cable sheaths along the entire peeling length from the grooves on the steel wires. Split the sheath using ST-OCS splitting tool or equivalent. Leave the halves of the mantle about 2 cm long at the starting point of the exfoliation so that you can connect the heads of the earthing cables to the corrugated steel plate of the cables.

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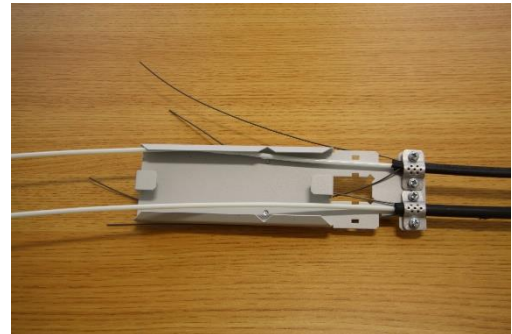
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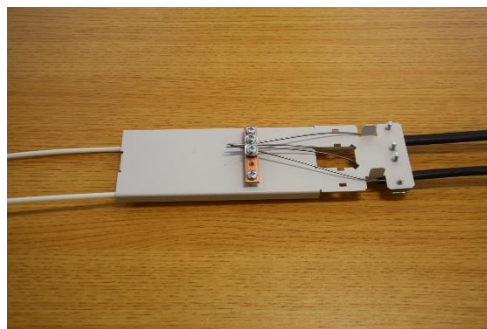
Cable splitting tool ST-OCS



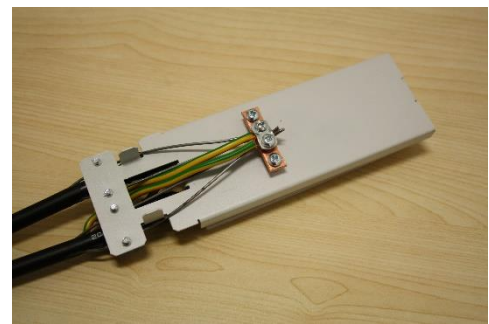
Fasten the cables to the splice tray with corrugated arc fasteners. All traction elements of metal-free FTTH cables are cut from the base of the sheath.



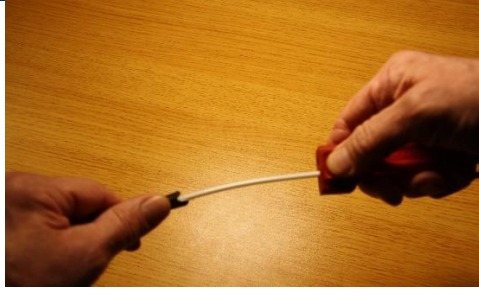
If there are steel wires in the FTTH cables, the steel wires are steered under the splice tray.



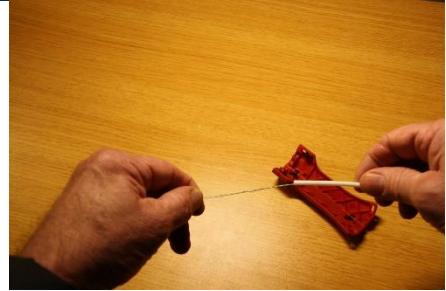
Attach the steel wires of the cables to the grounding plate underneath the splice tray and cut off their extra lengths.



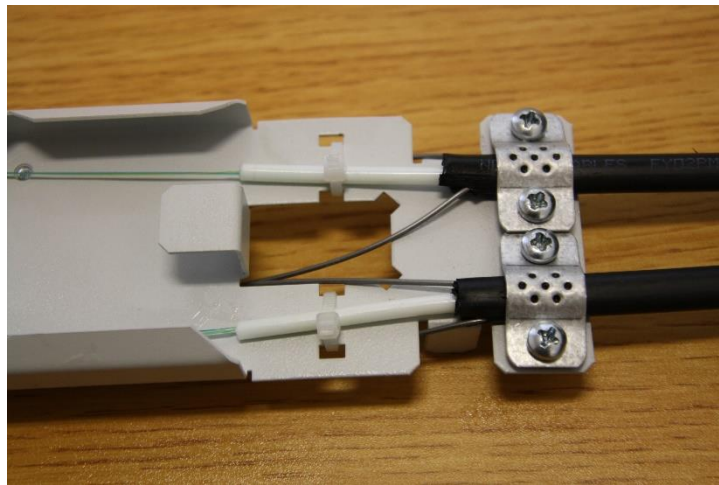
If the cables have a corrugated steel plate in addition to steel wires, connect the connector heads of the grounding cable, that comes with the package, to the halves of the cables and the severed heads to the grounding plate.



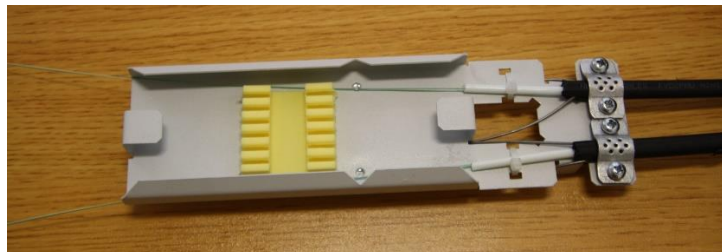
Cut the central tubes of the cables at the point of the fiber guide on the splice tray. To cut the tubes, use an appropriate tool for this purpose.



Pull the tubes off the fibers and clean the fibers from the gel.



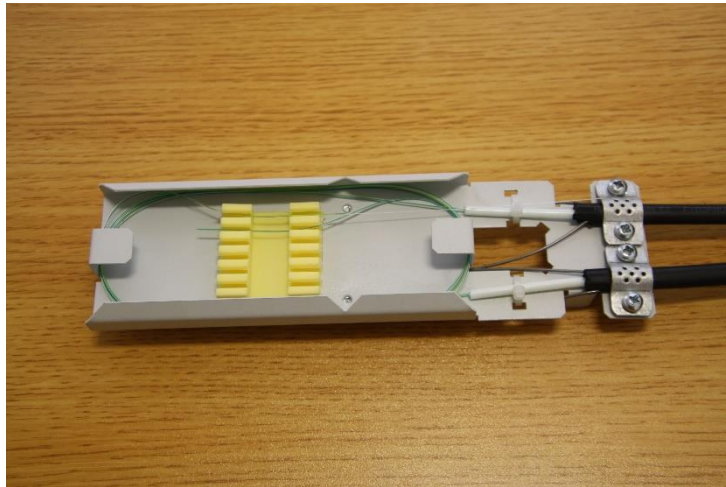
Attach the central tubes of the cables to the splice tray with small cable ties.



Attach the splice protection holder. For 4 fibers, you can cut the holder in half and attach only one half to the splice tray.

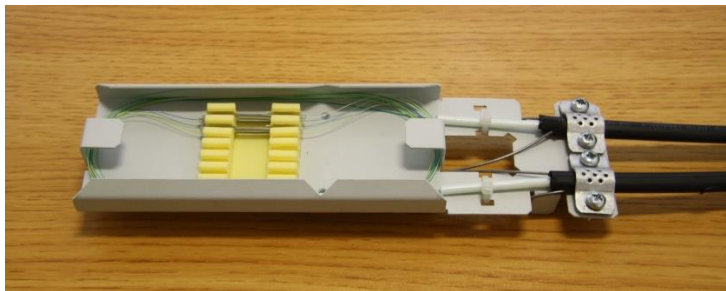
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Carefully measure the fibers on splice tray. In such small enclosures, the correct dimensioning of the fibers is very important, because it is difficult to place excess length, even 1 cm, safely on the splice tray.

It is recommended that the fibers are measured with two full loops on the tray, which means that their length is sufficient for splicing.



Splice the fibers and place them on the splice tray.

Insert the plexicover in place.



Before closing the joint closure, attach the silica gel bag from the equipment bag to the end of the splice tray



Insert the splice tray inside the housing all the way to the end.



The splice tray is inside the housing.



Squeeze the strips at the end of the housing together and tie them in a bundle with an insulation tape.



Pull the shrink partially over the housing and place the shrink branching piece between the cables.  
Please note that the shrink should remain outside the housing for 6 to 8 cm.

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Fasten the cables together with a cable tie outside the heat-shrink before starting the shrink.



Start shrinking on top of the housing and heat the shrink evenly from all sides.



At the end of the shrink, the glue must appear at the whole seam point.





The orange sealant on the shrink branching piece and the glue in the shrink should be evenly visible outside the shrink.



The splice closure is done.

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