Guideline on Best Practices of FDP

Installation and Maintenance

FTTH Home Pass & Home Connect

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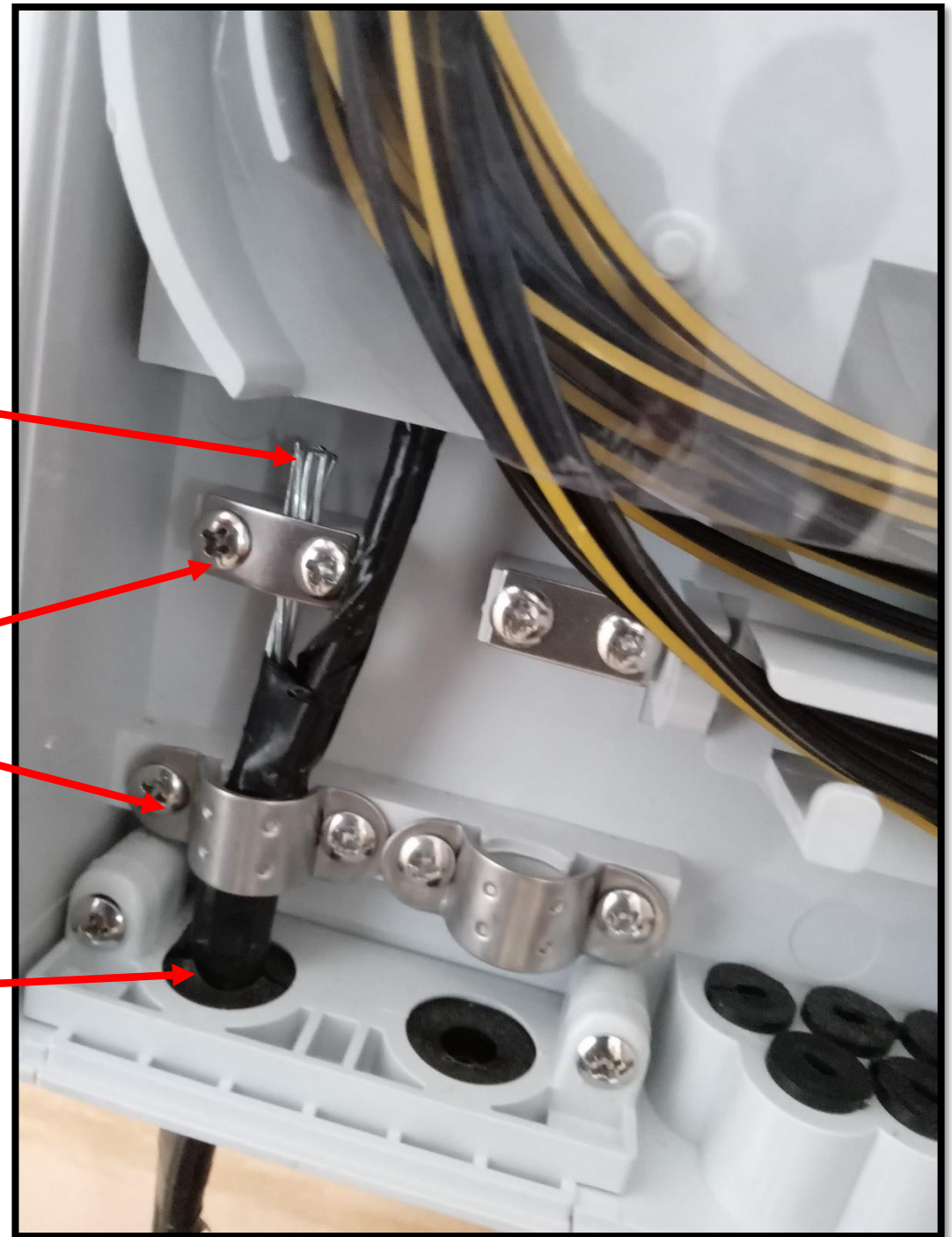| Name	Designation
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FDP Best Practices (FTTH Home Pass)

Fiber Cable Inlet

Guard wire should be smoothly cut without over-exposing

Guard wire & Fiber cable should be firmly fixed / tightened to the FDP

Firmly fix the grommet to avoid entering moisture, dust & insects
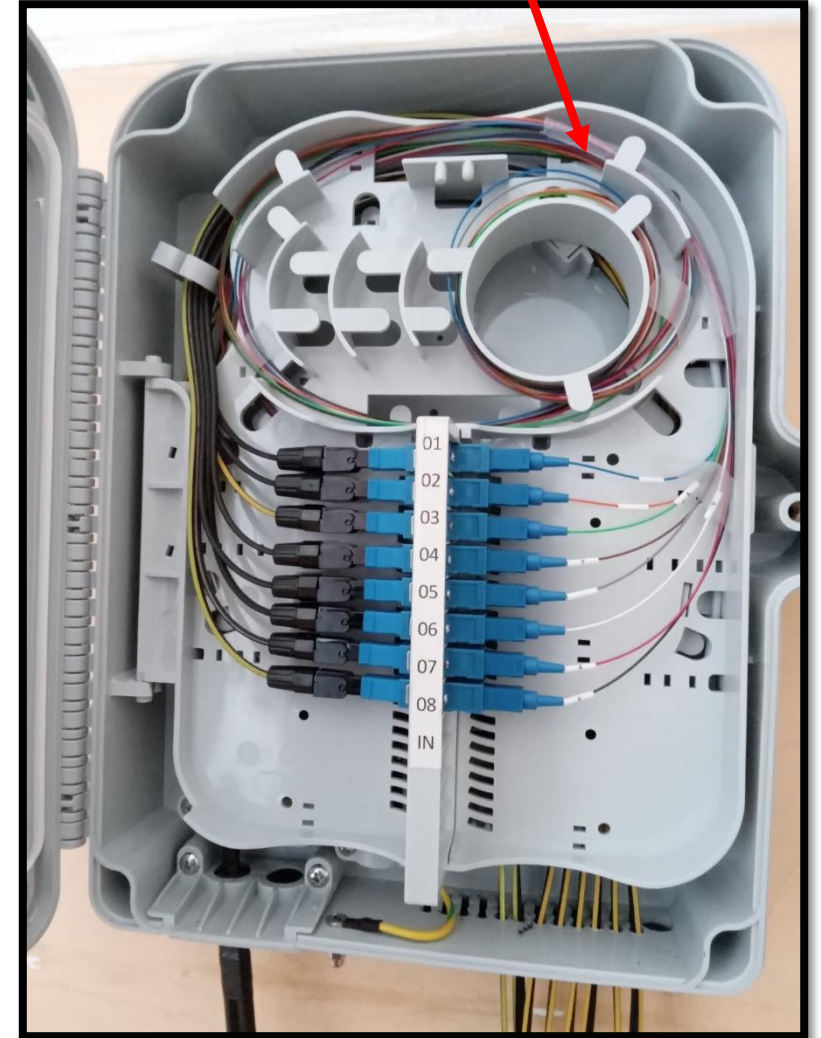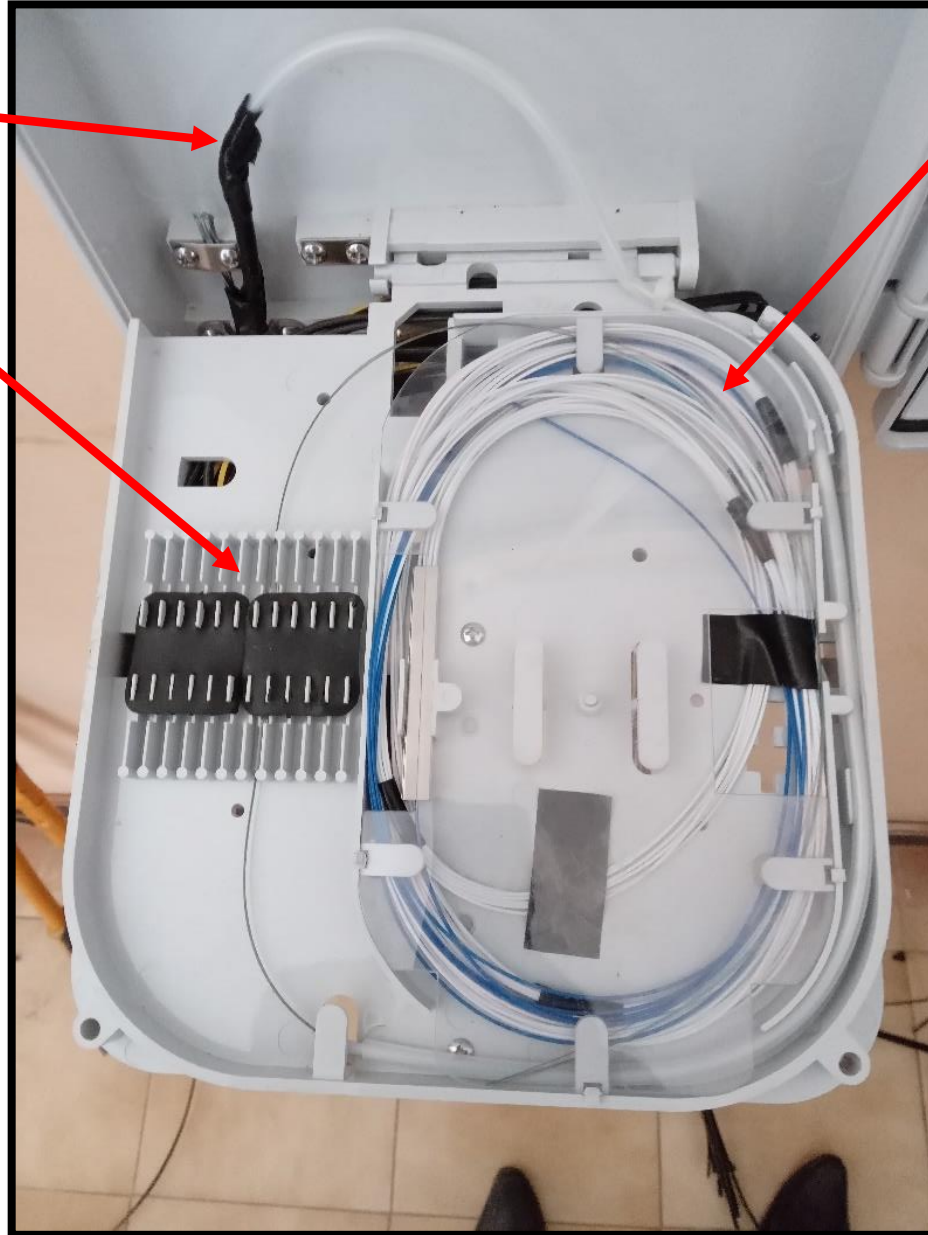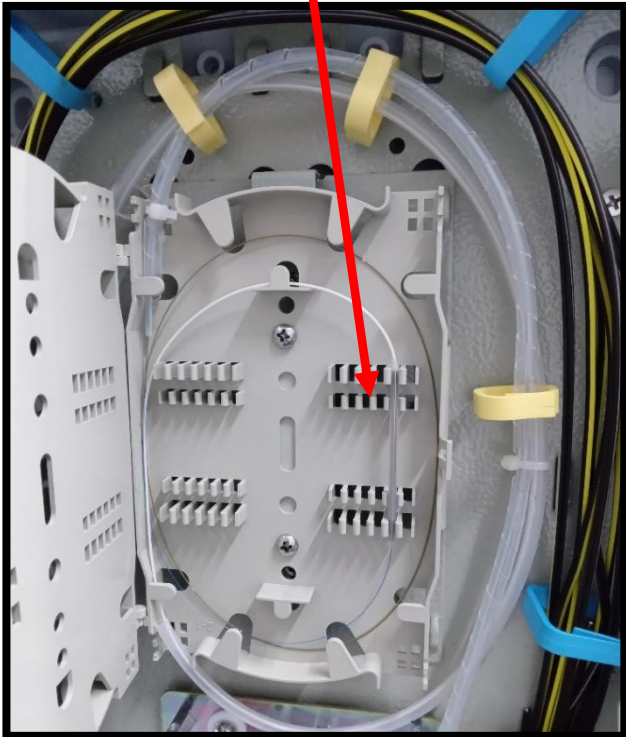
Fiber Cable Splicing to the Splitter

Plastic tube to be firmly fixed to the fiber cable inlet by using an insulation tape

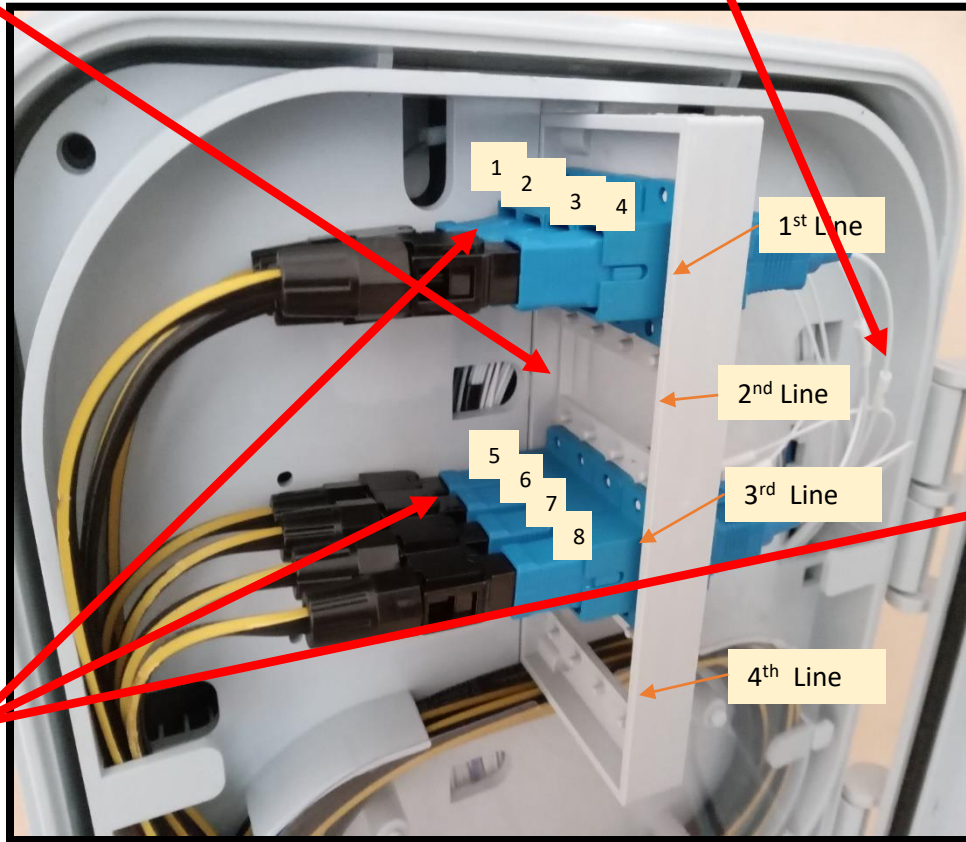Splicing arrangement should be properly fixed at the tray

Pig tail direction should be arranged to avoid any excessive bending
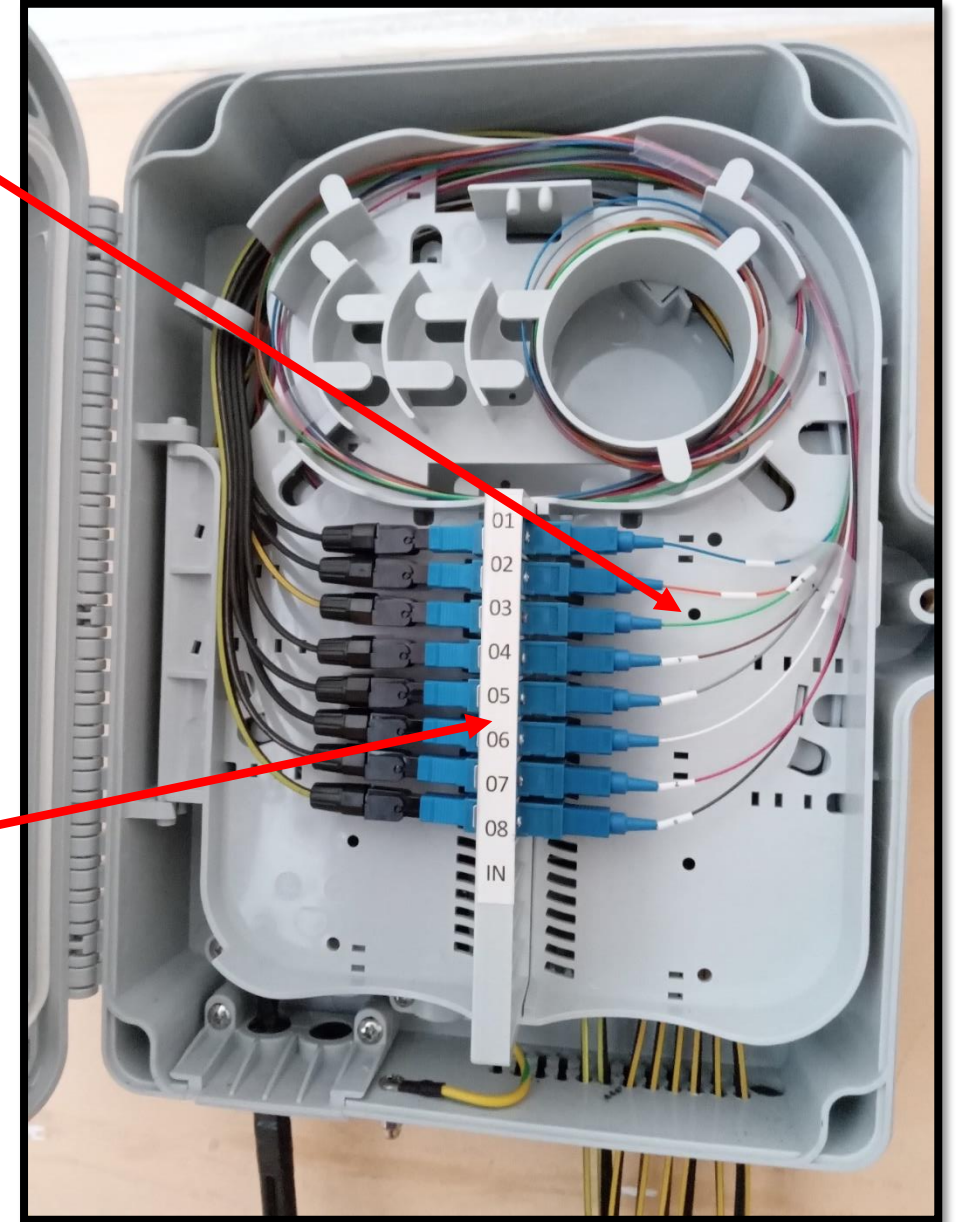
FAC Coupler Arrangement

Need to maintain sufficient space between top and bottom connector lines. (suggested to use the 1st & 3rd connector lines)

Always keep the Splitter connectors in the right hand side

Always Keep the rule of Left to Right -Top to Bottom order when arranging FAC couplers

1 2 3 4

5 6 7 8

1st Line

2nd Line

3rd Line
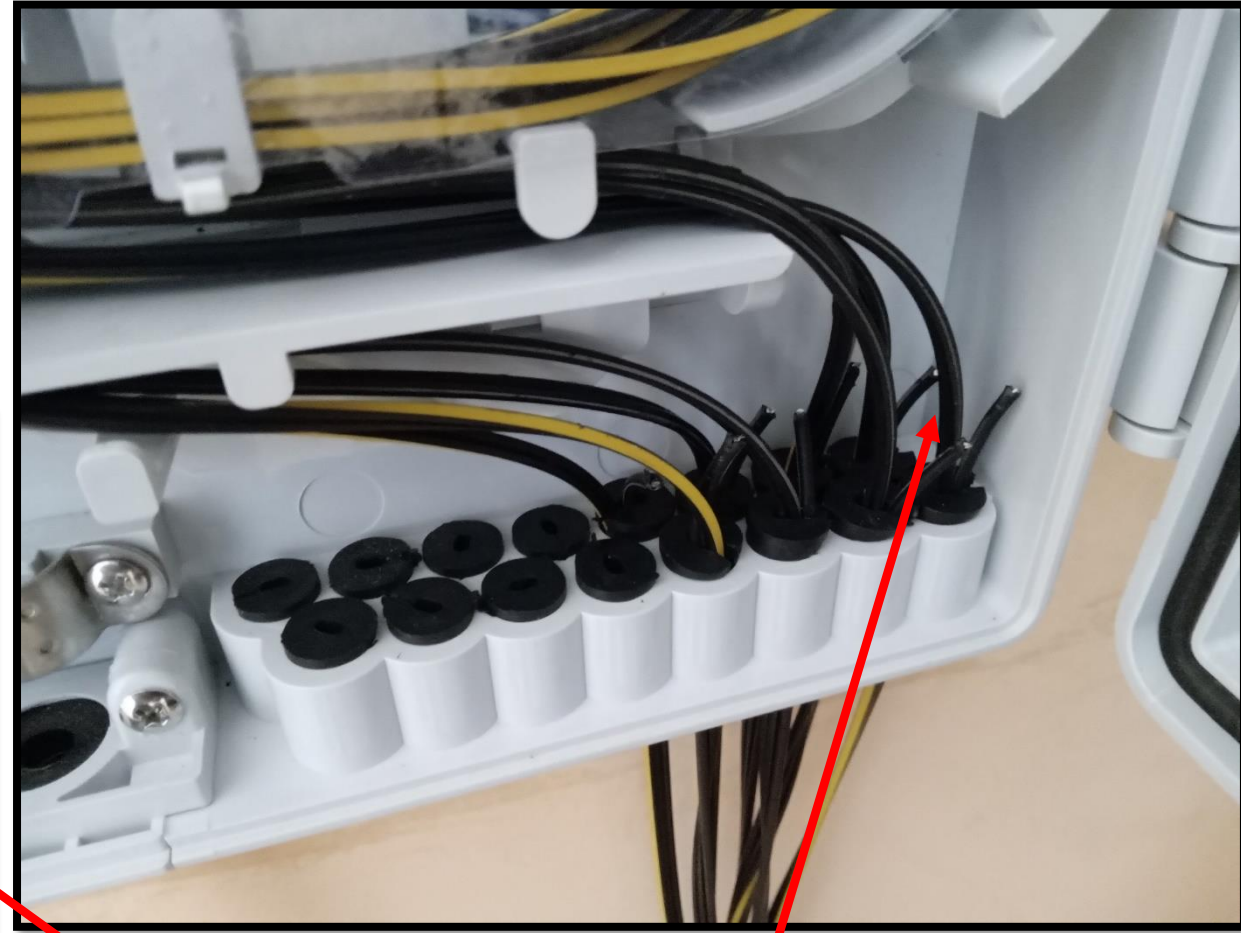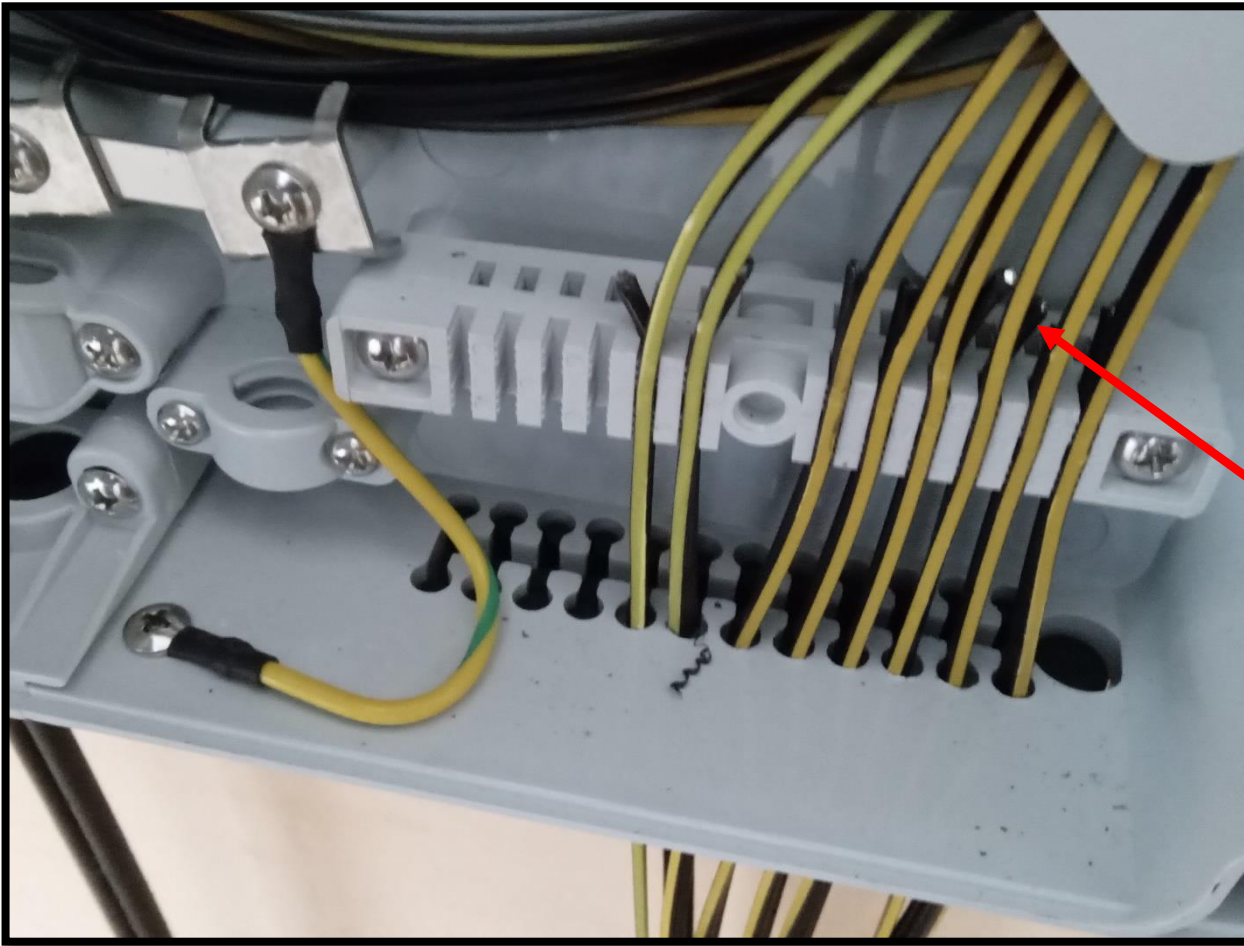
4th Line

01
02
03
04
05
06
07
08
IN

FDP Earth

- Use a lug crimped with a proper tool to connect the last FDP to the earth
- Make sure that the guard wire of the last FDP is properly connected to the earth terminal

FDP Best Practices
(FTTH Home Connect)

DW Inlet
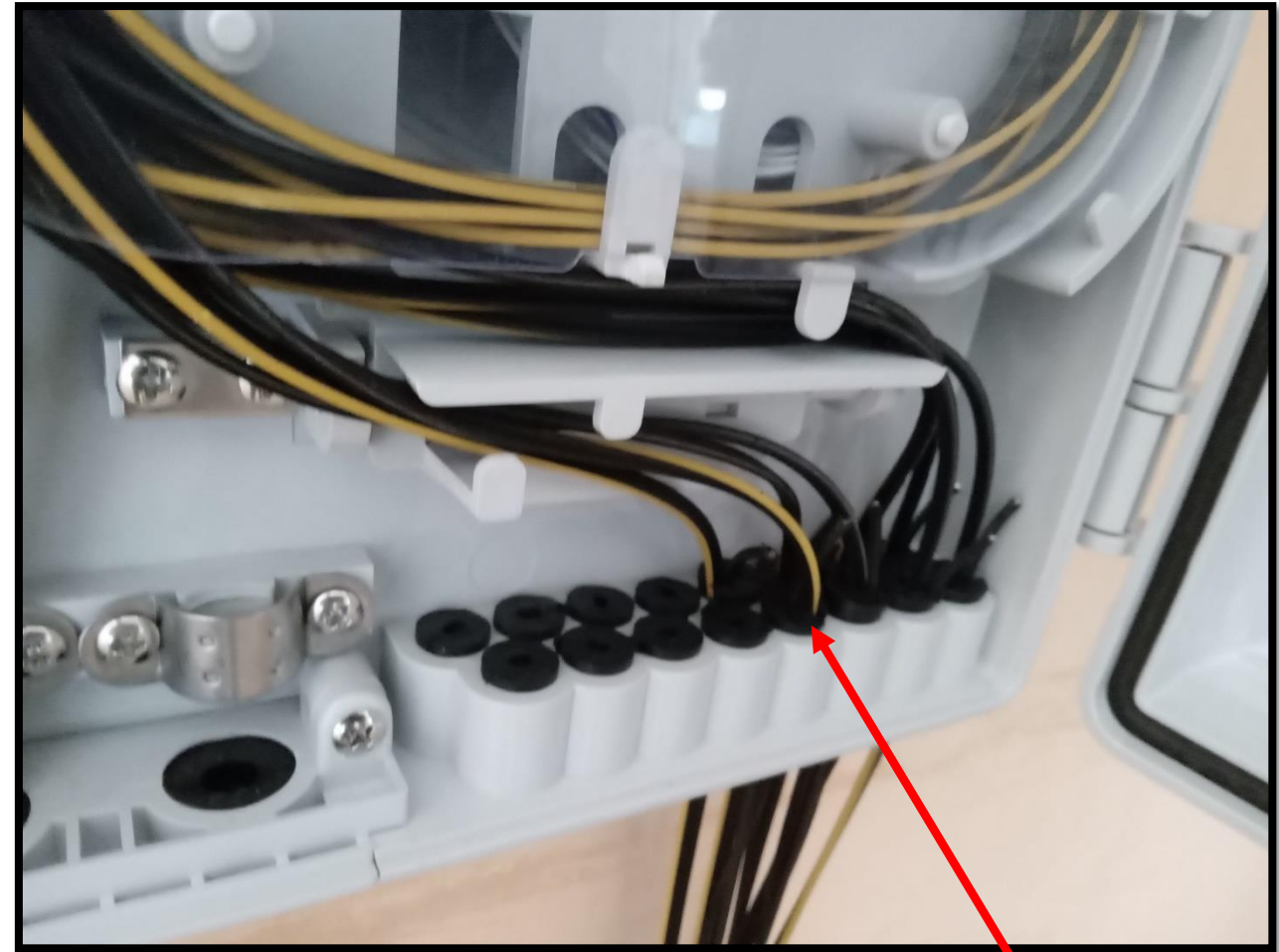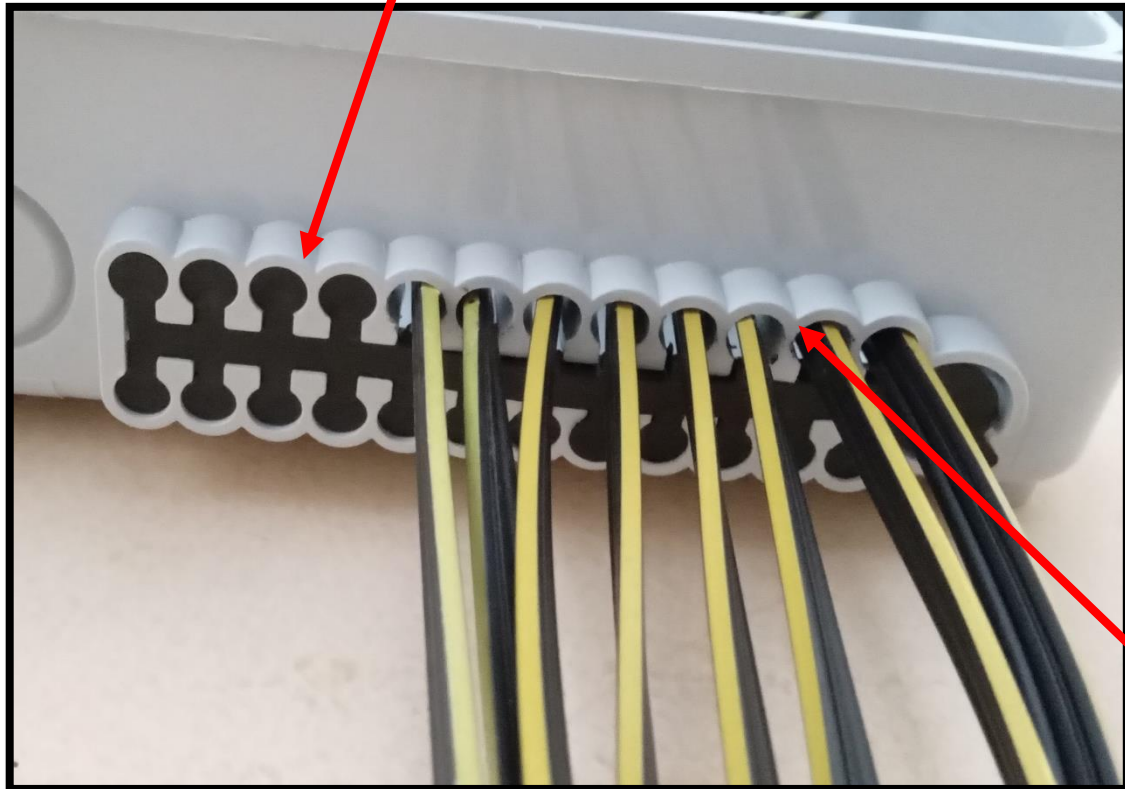## Guard Wire Termination

Terminate the guard wire at the inlet with an extra 1" length
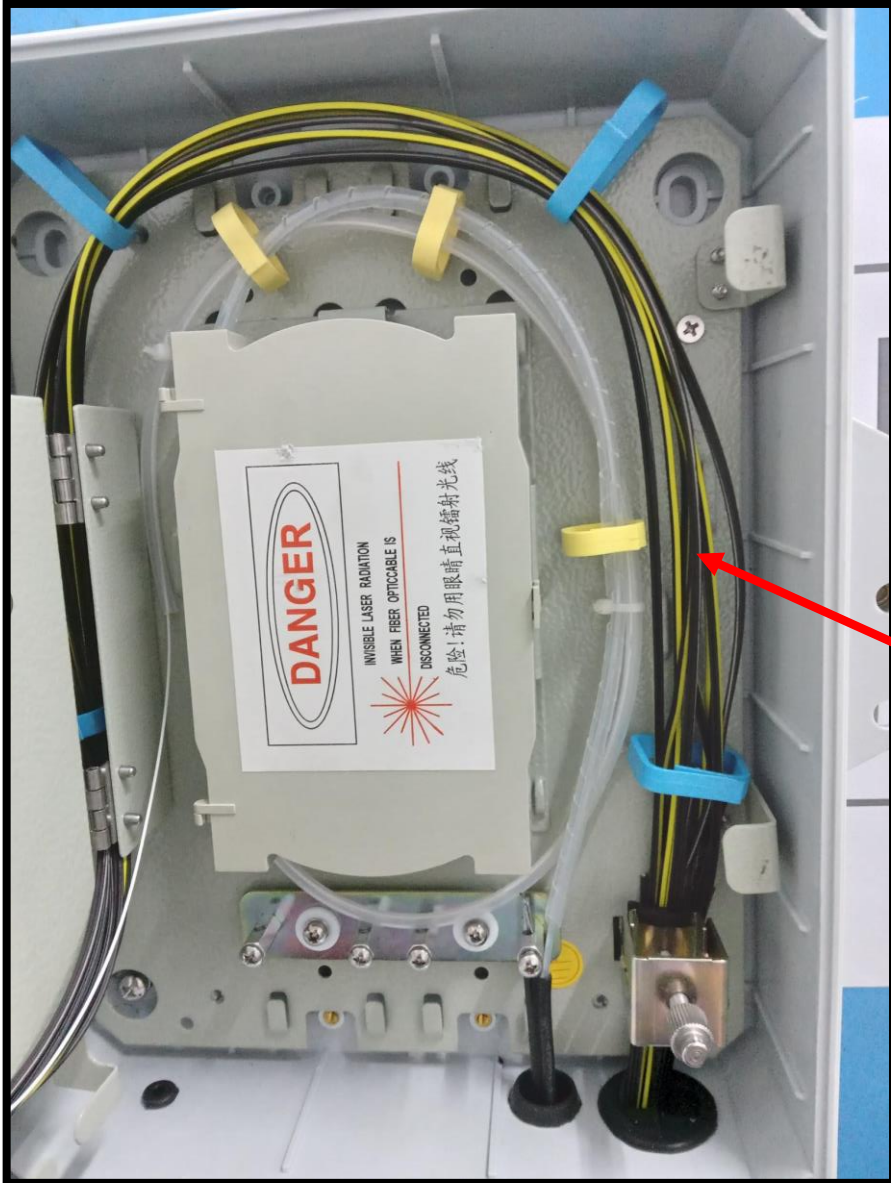
DW Inlet

Grommet Arrangement

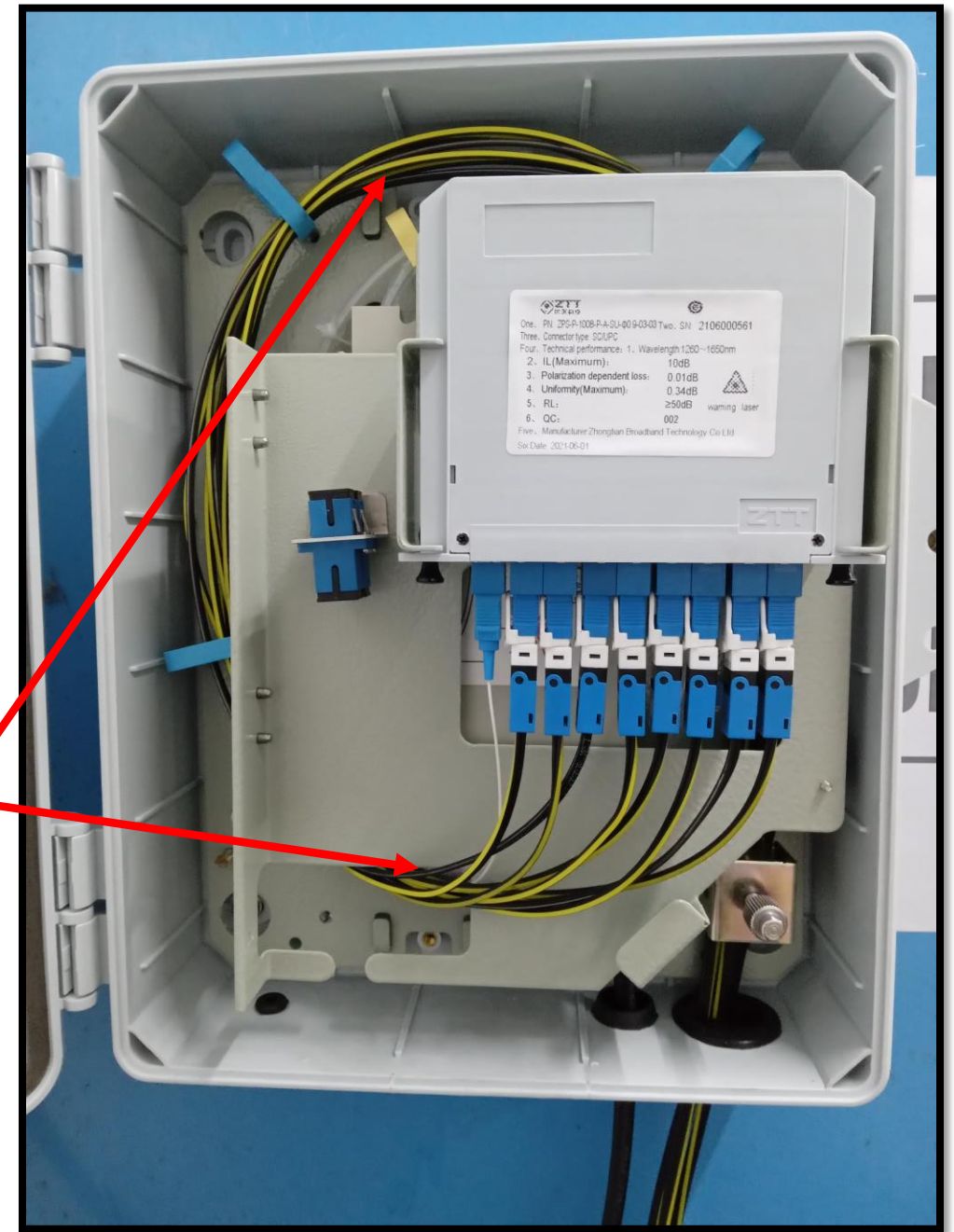Remove only the appropriate grommet and keep the others as it is

Make sure to place the grommet properly

Use proper sealant to seal the spaces to prevent entering of moisture, Dust & Insects inside

DW Coiling & Path

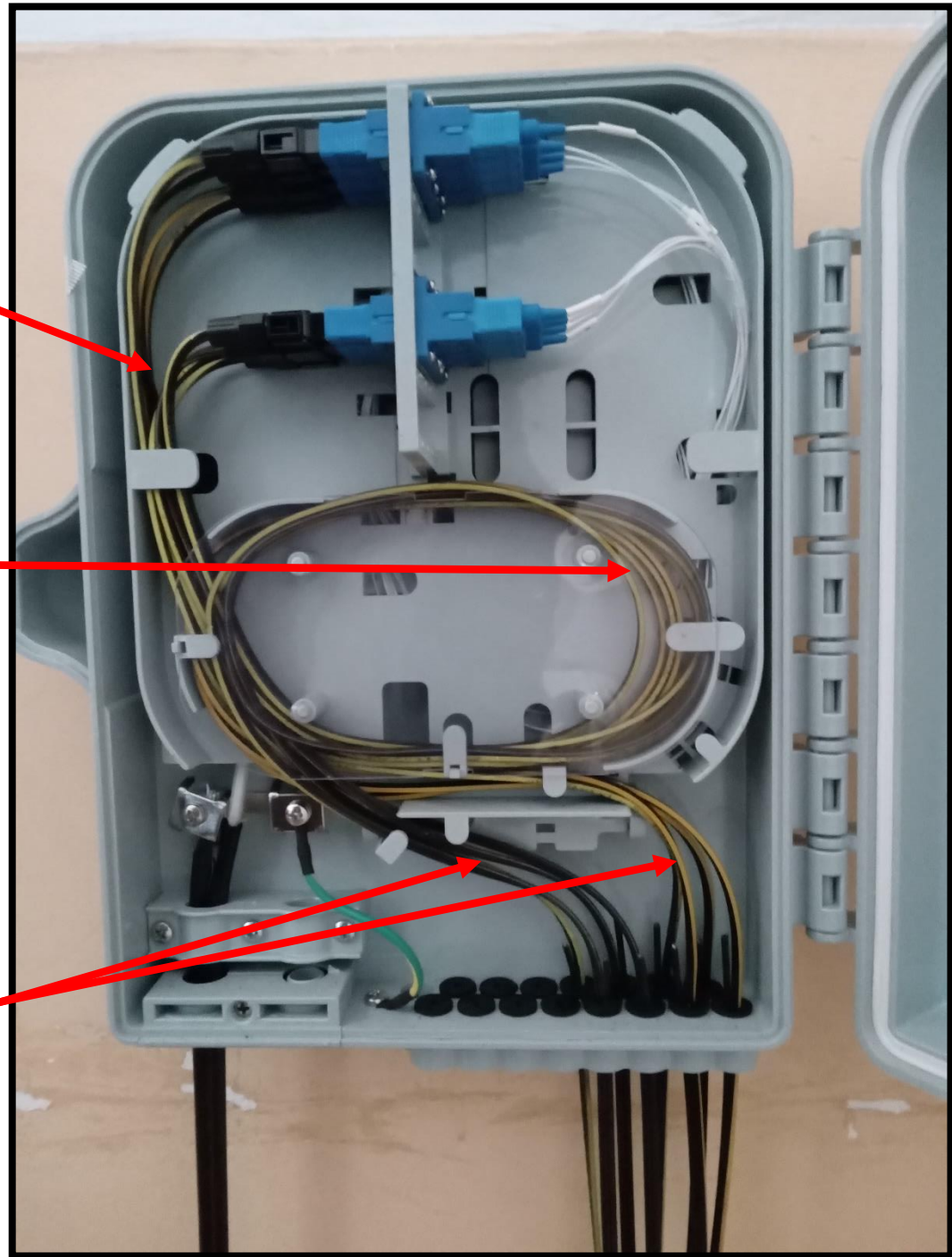Ensure the neatness of the drop wire coiling inside the FDP

DW Coiling & Path

Ensure the neatness of the drop wire inside the FDP

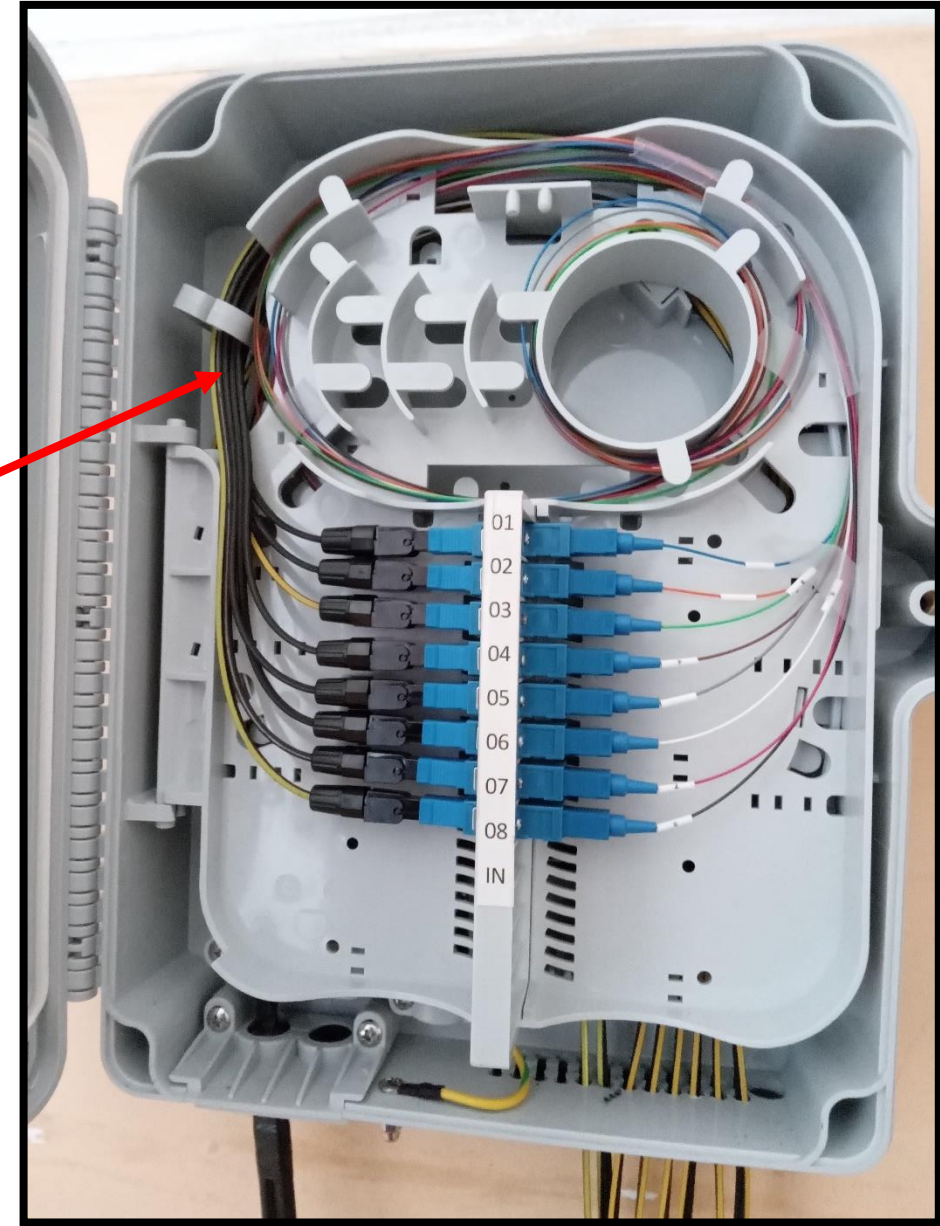Keep only one turn inside the FDP within proper path (within the tray-guides)

Draw the 1st four connections from the right side and the 2nd four connections from the left

DW coiling & Path

Ensure the neatness of the drop wire inside the FDP

GENERAL BEST PRACTICES

- Close the FDP cover always after doing your work

- Use the correct FDP key to open FDP

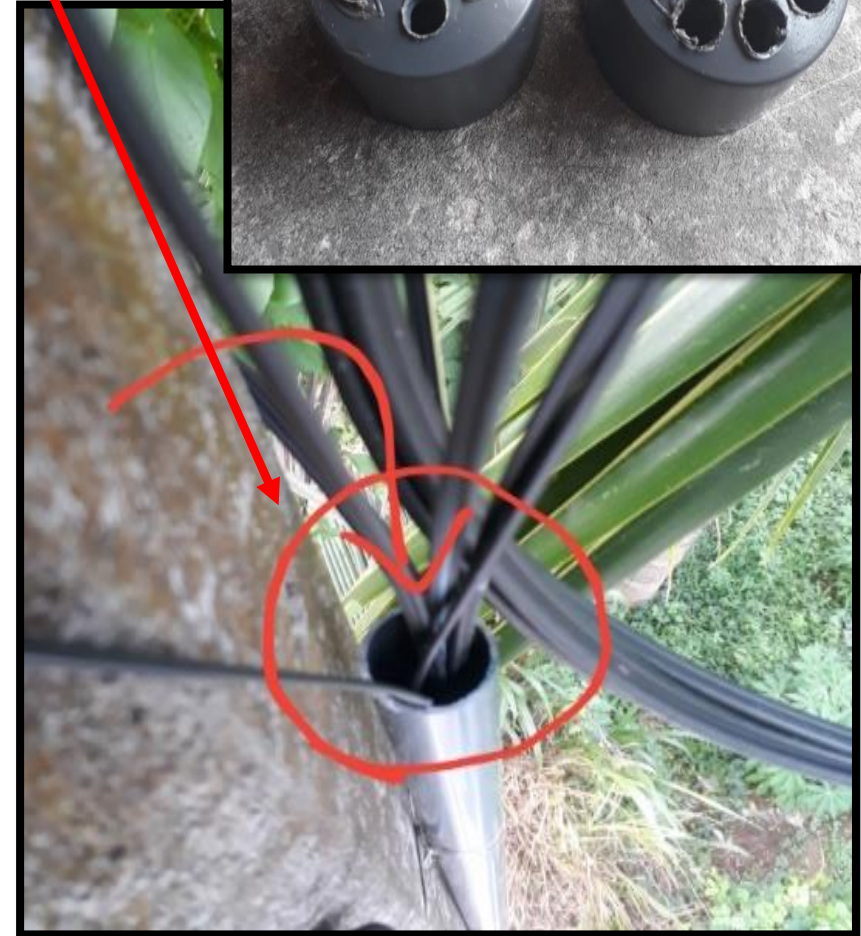- Do not use different keys/Screw drivers to open the FDP cover

GENERAL BEST PRACTICES

- Keep a reference patch code for power meter
- Pay your attention when placing the ladder to the pole that not to damaging fiber DW
- Ensure properly seal the DW inlet in order to prevent from insects and dust
- Avoid sharp edges of guard wires inside the FDP

Methods to minimize the impact from rats, insects etc.

Use a steal mesh at the DW inlet for ZTT FDP

End caps at PVC pipe

Commonly Identified issues in the Field related to FDPs

- Open DP Cover

- Broken FDP locks

- No riser pipe for drop wires

- Untidiness of FDW dressing

- No tags for new connections

- Low height of FDP

- Broken/slanted Pole used for FDP

- FDP Pole height not correct (cable crossing issue)

Open DP Cover

DON'T DO IT!

Always keep the FDP Cover Closed after works

Broken FDP locks

Always use proper tools and proper care
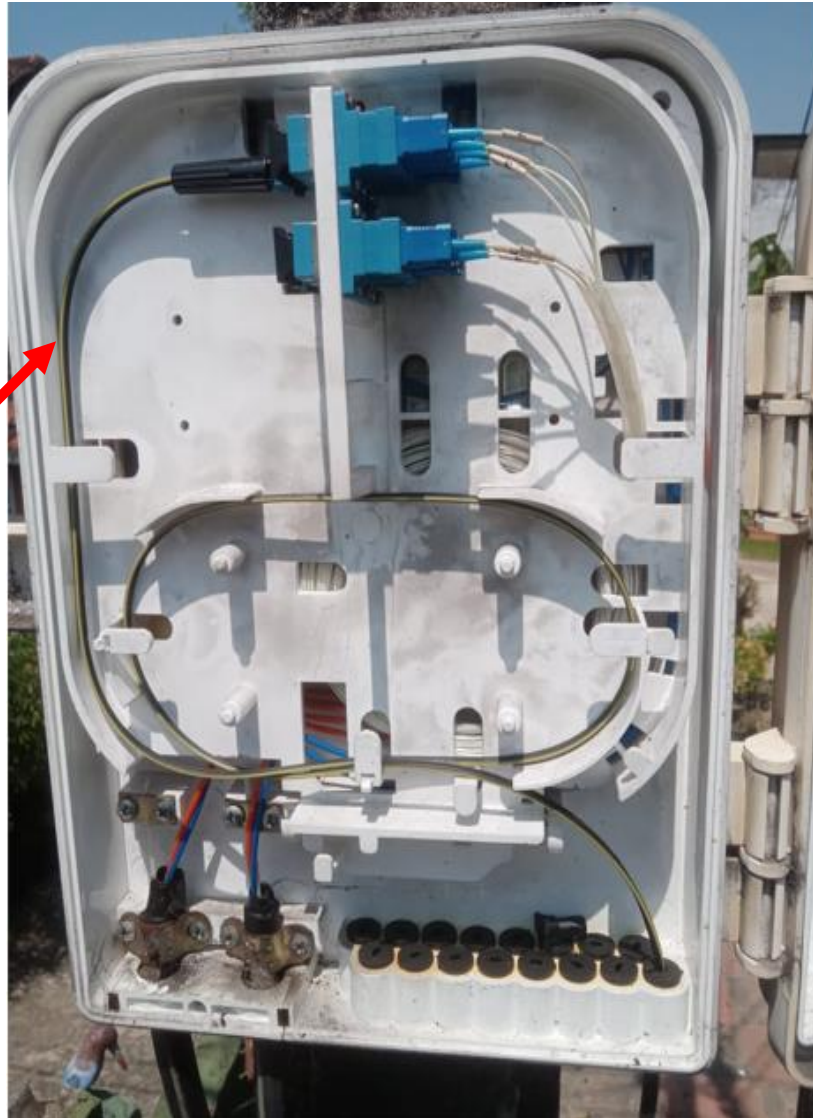
No Riser pipe for drop wires

No Riser Pipe

Avoid it

DON'T DO IT!

Riser Pipe available for Drop Wires

No identification tags for new connections

No Drop Wire tag

DON'T DO IT!

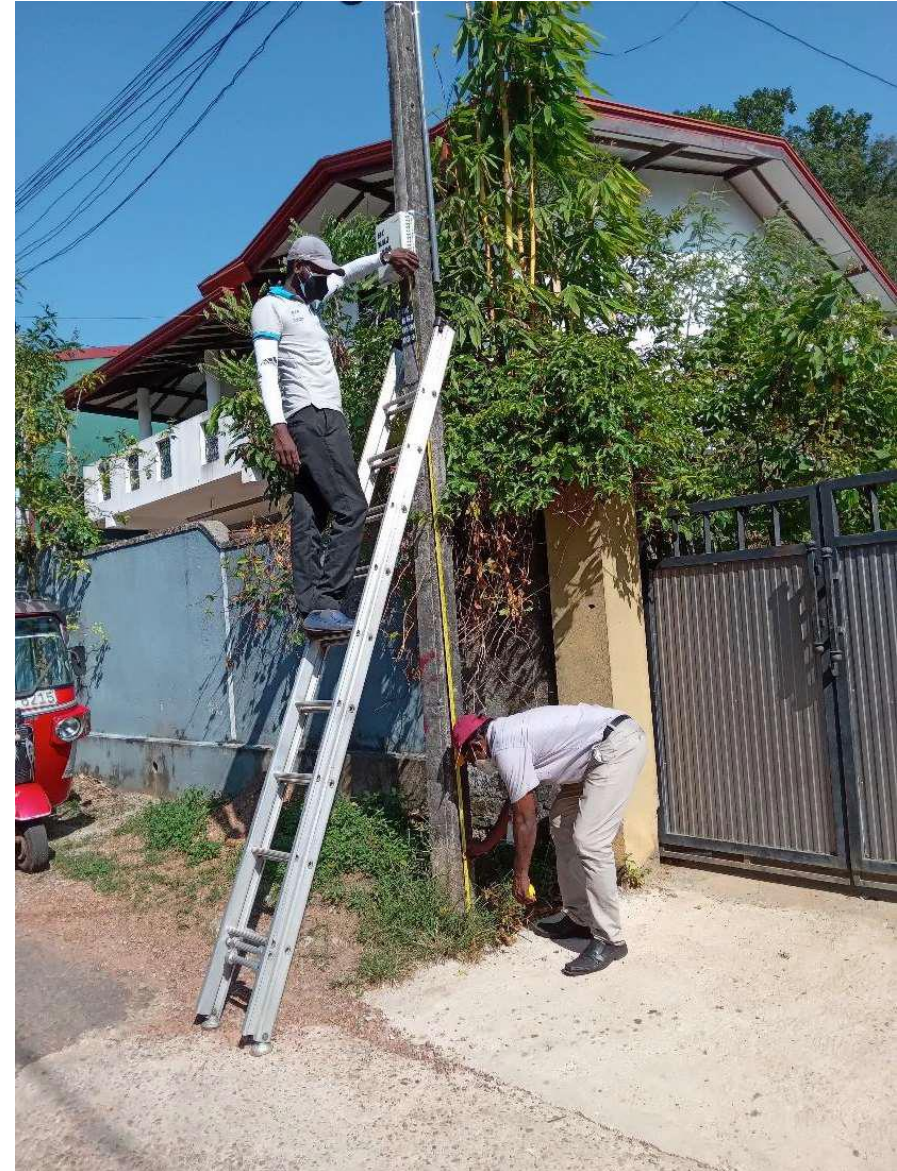Drop Wire tag Available

Untidiness of FDW Dressing

DON'T DO IT!

Low Height of FDP/No Proper DP height

Very low height

DON'T DO IT!

Always keep the standard FDP height