

## One Box - Medium

**One Box – Medium / Empty..... XCPSC02380**

**One Box – Medium / 6 adapters LC/APC + 12 connectors LC/APC  
+ 2 preconnectorized splitters..... XCPSC02395**

### Description

The OneBox Medium is a termination wall box designed for use in residential and small businesses premises. The unit houses two splice trays and allows fibres from external cables to be spliced to pigtails, splitters or directly to drop cables. The unit can accommodate up to two splitters and has a dedicated patch panel for up to 12 SC type pigtails or 24 LC type pigtails. Input cables can enter from the top or bottom face of the box and output cables exit from the bottom face. There are eight exit ports for customer drop cables, which can be installed into the box without the use of cable ties, using a cable anchoring system. The customer drop cables can be pre-connectorized.

Dimensions (mm): 240 (W) x 55 (depth) x 250 (height)  
Weight: 0.85 Kg

### Tools & additional products

additional products	Prysmian Part No.
Heat Shrink splice protector (45x2,4mm)	XKTSC00056 (bag of 12) XPESC00031 (bag of 50)
Crimp splice protectors (30x1,3mm)	XKTSC00079 (bag of 12) XKTSC00078 (bag of 50)
<b>Outils :</b> Long Nose Pliers Cross Screwdriver 6mm drill bit	

### Component parts

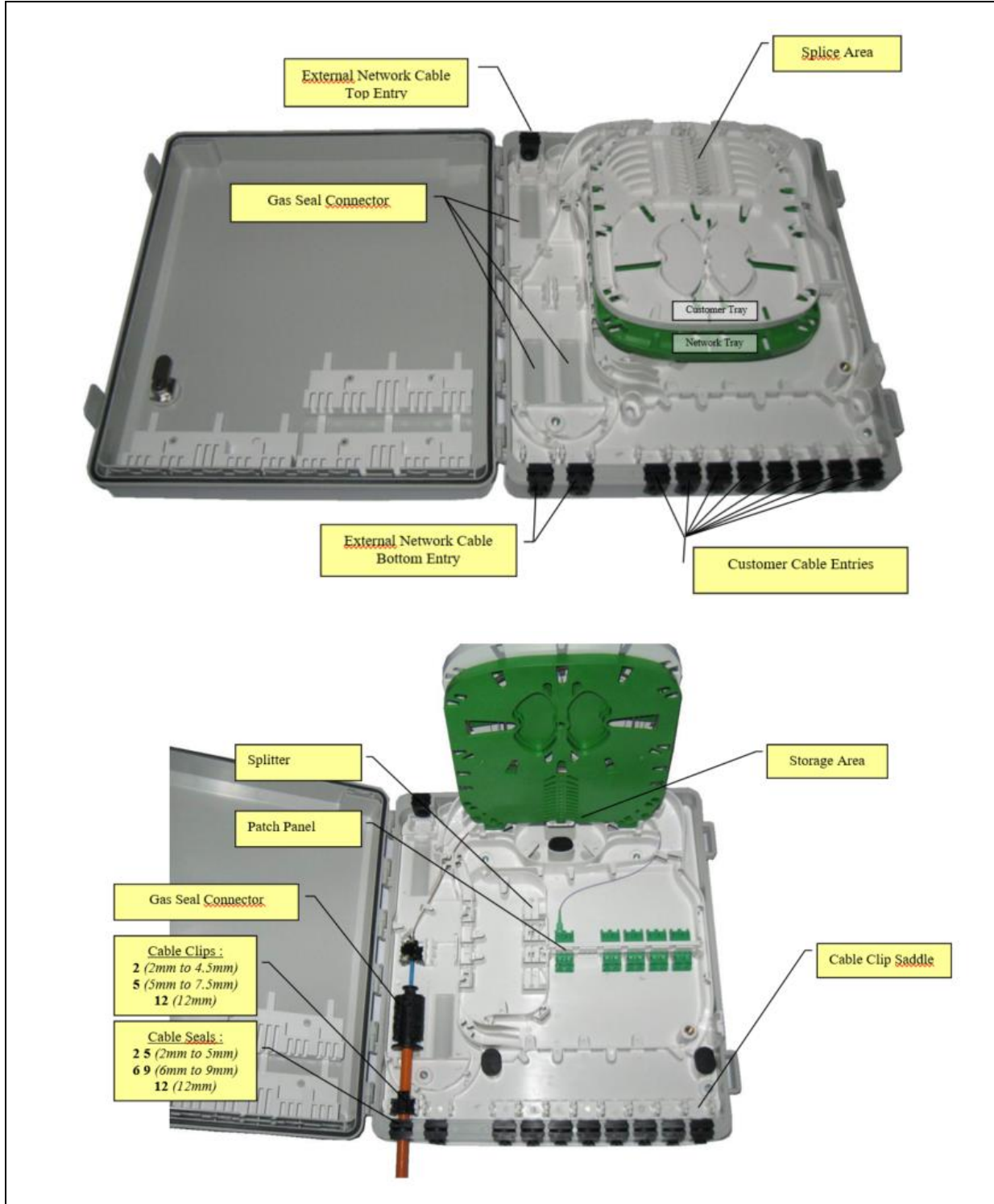
**One Box - with xx pigtails, yy adapters, nn splitters and zz crimp splice protectors**



<b>Base</b>	<b>Qty 1</b>
<b>Cover</b>	<b>Qty 1</b>
<b>Keyed Lock</b>	<b>Qty 1</b>
<b>Splice Tray</b>	<b>Qty 2</b>
<b>Cable Seal 2/5 (2mm to 5mm)</b>	<b>Qty 5</b>
<b>Cable Seal 6/9 (6mm to 7mm)</b>	<b>Qty 1</b>
<b>Cable Clip 2 (2mm to 4,5mm)</b>	<b>Qty 5</b>
<b>Cable Clip 5 (5mm to 7mm)</b>	<b>Qty 1</b>
<b>Wall Fixing Kit</b>	<b>Qty 1</b>
<b>Installation Kit</b>	<b>Qty 4</b>
<b>Pigtails</b>	<b>Qty xx</b>
<b>Adapters</b>	<b>Qty yy</b>
<b>Crimp Splice Protectors</b>	<b>Qty zz</b>
<b>Preconnectorized Splitter 1x4</b>	<b>Qty nn</b>

**Prysmian**  
Group  
**INSTALLATION INSTRUCTION**

**Description of One Box - Medium**



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**Install the box on a wall**

**Step 1**



- Rotate the key lock by 90° anticlockwise.
- Open the cover by pressing against both lip ends of the highlighted clips.

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**Install the box on a wall**

**Step 2**

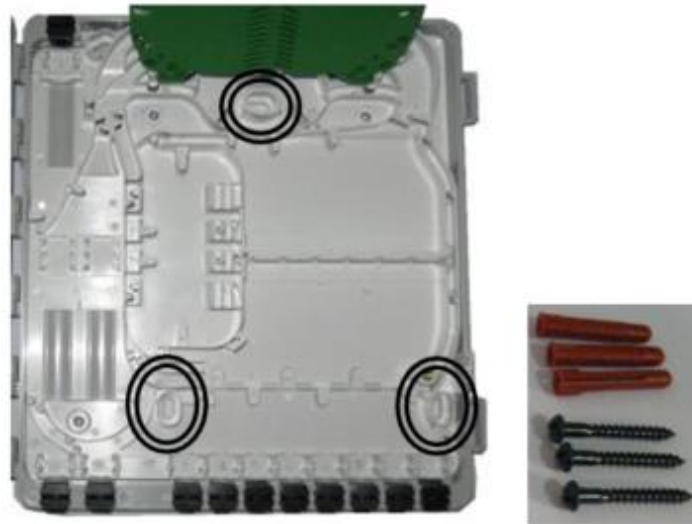


- Open the cover as much as possible.
- Rotate the two trays by 90°.

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**Install the box on a wall**

**Step 3**

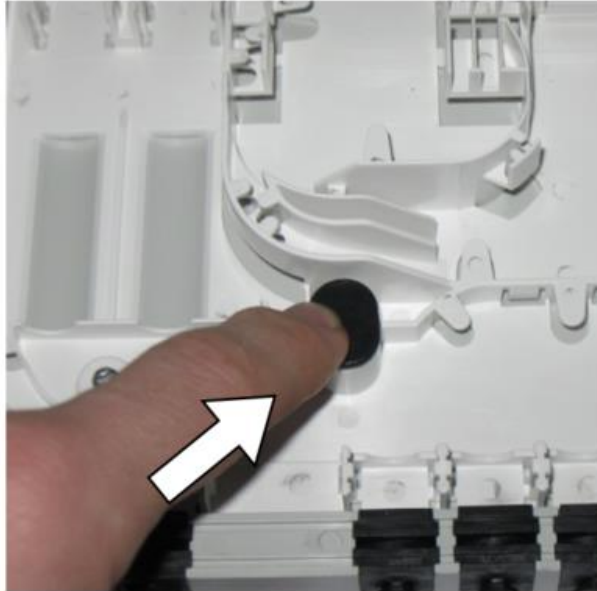


- Install the box using the wall plugs and screws supplied with the product.

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**Install the box on a wall**

**Step 4**



- Use the Oval Rubber Plugs to seal the three wall fixation points of the box.

**Install the box on a wall**

**Step 5**



- Close the Cover pushing it up to engage the two highlighted clips.
- Rotate the key lock by 90° clockwise.

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**Install a Cable / Tube**

**Step 6**



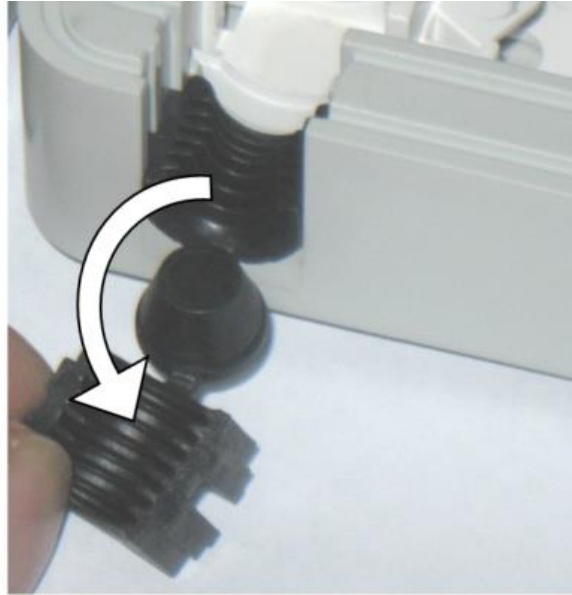
- Check the cable seal diameter range, written on the circular central plug.
- Remove the top part only.



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**Install a Cable / Tube**

**Step 7**



- Remove only the top part from the box.

**Install a Cable / Tube**

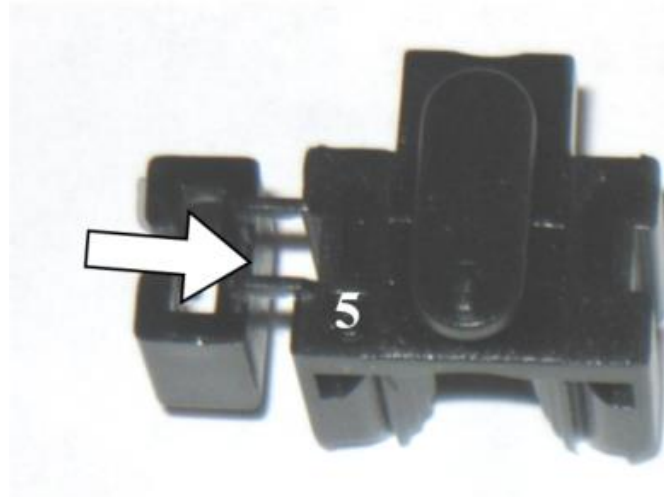
**Step 8**



- Break the plug.

**Install a Cable / Tube**

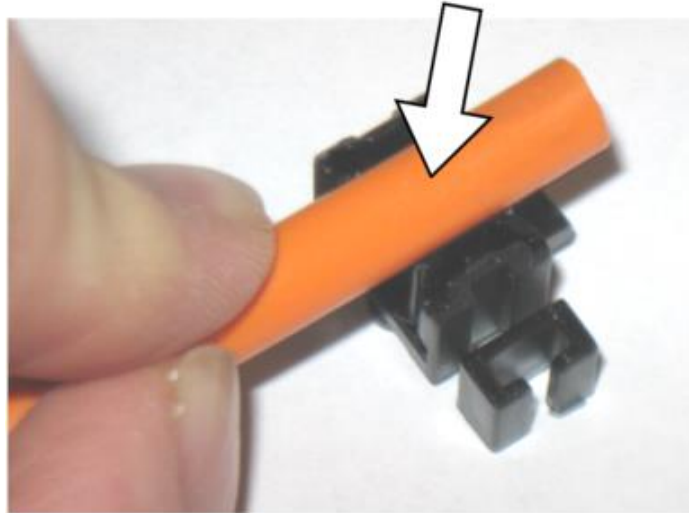
**Step 9**



- Check the cable clip diameter range, written on the left bottom corner.
- Break the Aramid Yarns Cap pushing it as shown. Pay attention not to leave plastic connection pieces on the surface. Don't waste the cap.

**Install a Cable / Tube**

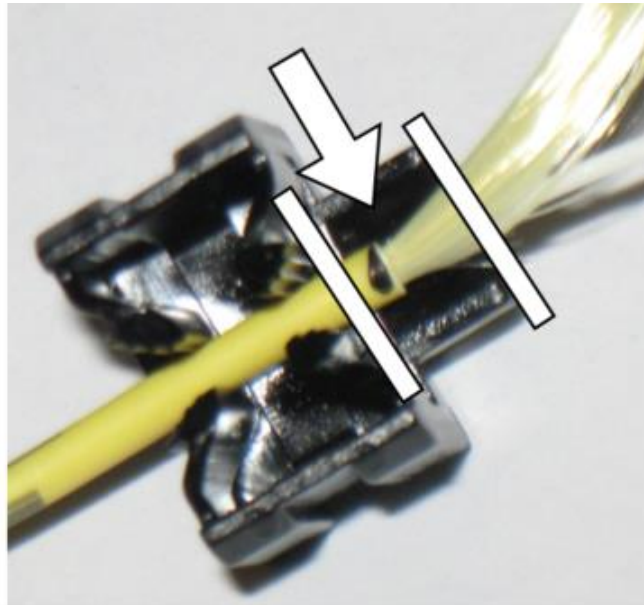
**Step 10**



- Push the cable/tube into the cable clip.

**Install a Cable / Tube**

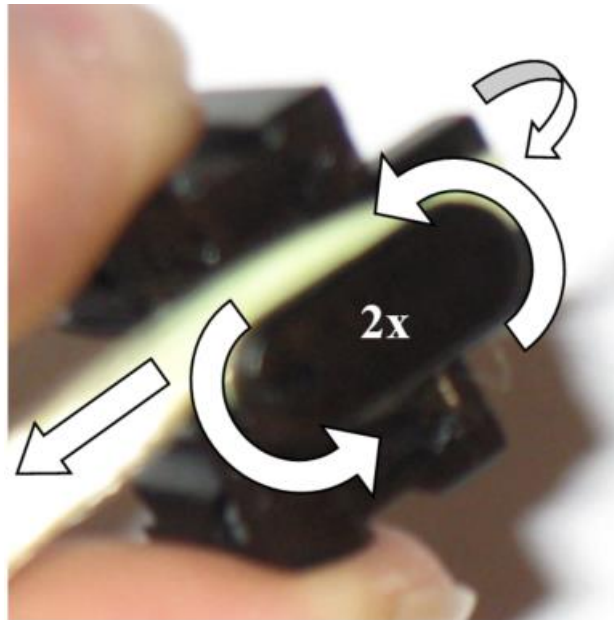
**Step 11**



- The end of the external sheath is near the end of the cable clip.

**Install a Cable / Tube**

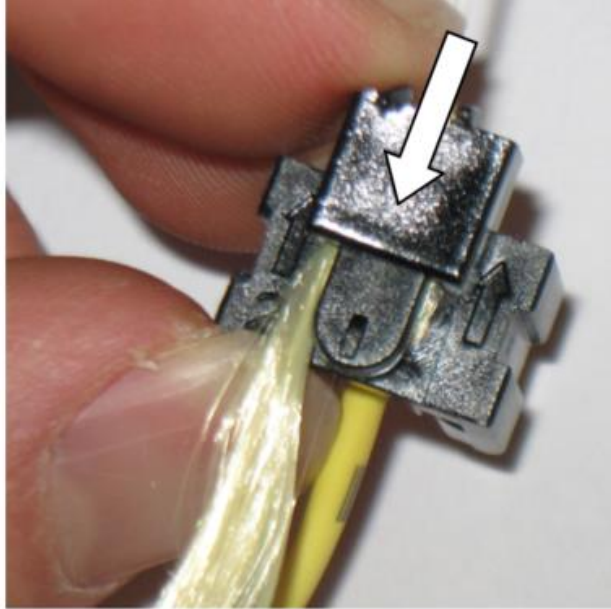
**Step 12**



- Move Back aramid yarns as shown, please always keep the yarns in tension.
- Make two turns around central pole with the aramid yarns as in the picture, always keep the yarns in tension.

**Install a Cable / Tube**

**Step 13**

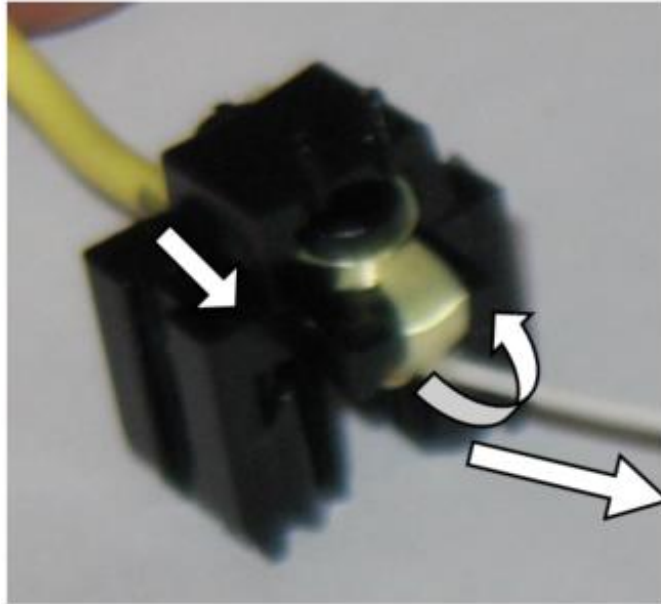


- Push the aramid yarn cap in position.
- Cut the exceeding part of aramid yarns.

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**INSTALLATION INSTRUCTION**

**Install a Cable / Tube**

**Step 14**

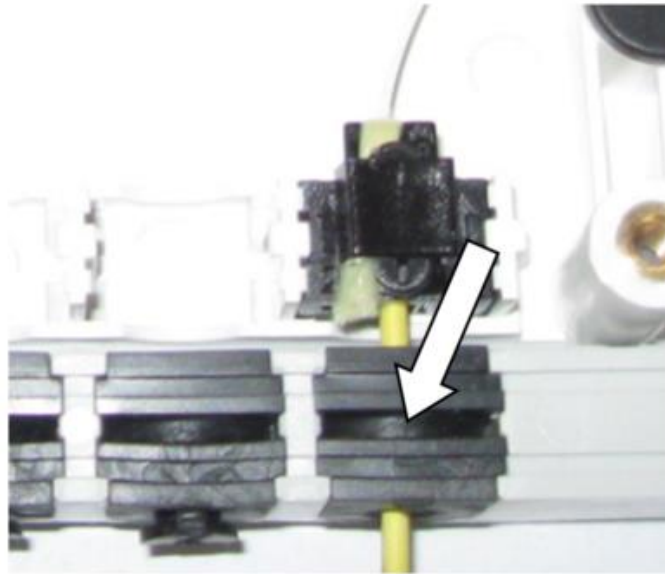


Note: All the aramid yarns are directed backward while fibre units proceed straight as per arrow on the cable clip.



**Install a Cable / Tube**

**Step 15**



- Fit the cable clip into the box pushing it down to engage the retention teeth.
- Reinstall the top part of the cable Seal.
- Strongly push the seal to close the separation gap.

**Install a Network Cable**

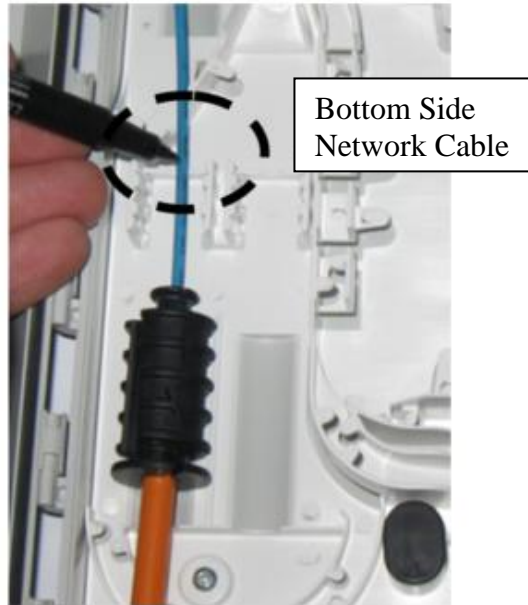
**Step 16**



- Install the gas seal unit, if required.

**Install a Network Cable**

**Step 17**



- Mark the cable on the top side of the circled cable clip saddle.

**Install a Network Cable**

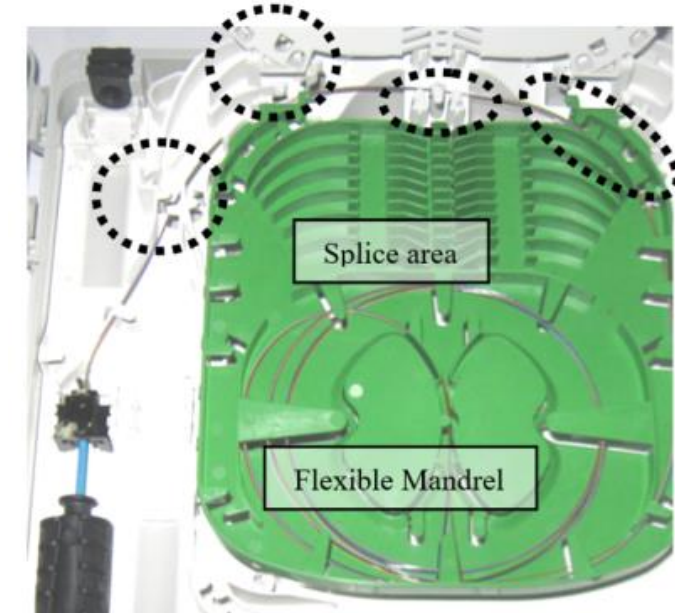
**Step 18**



- Use the Cable Clips as described in the dedicated section. Install the cable clips with the right diameter on the tube and on the cable in circled positions.

**Install a Network Cable**

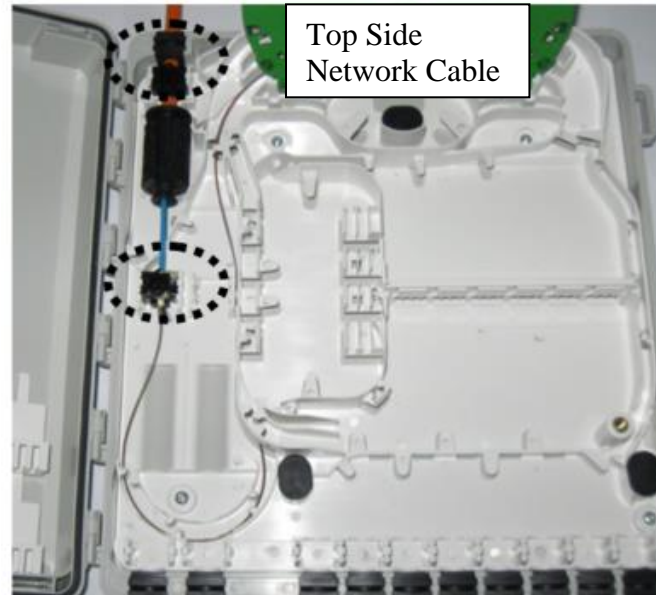
**Step 19**



- Take Network Fibers to the bottom tray, where they will be spliced to pigtailed.
- Use thermo-shrinkable or crimp splice protectors in the splice area.
- Store the fiber overlength around the Flexible Central Mandrel.

**Install a Network Cable**

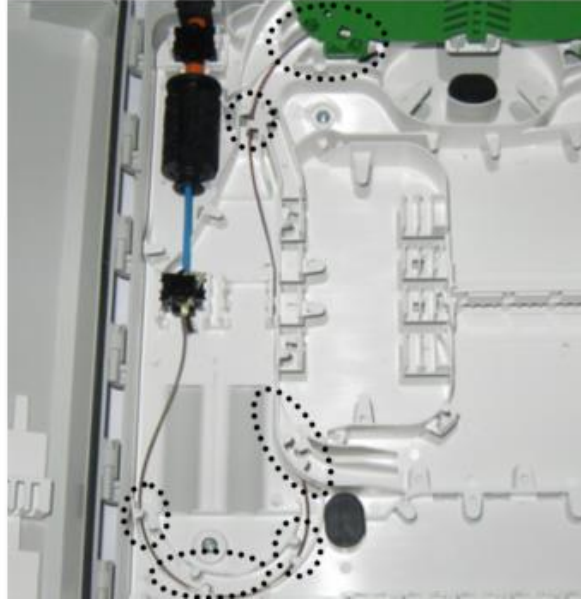
**Step 20**



- If Network Cables comes from Top Side, then install cable clips with the right diameter on the tube and on the cable in circled positions.

**Install a Network Cable**

**Step 21**



- Route Network Fibers through highlighted passages.
- Install fibers into the bottom tray as described two steps in advance.

**Install a Network Cable**

**Step 22**



- If not supplied install the adapters.
- If not supplied install pigtails routing them to the bottom tray through highlighted passages.



**Installing a Customer Cable / Splitter**

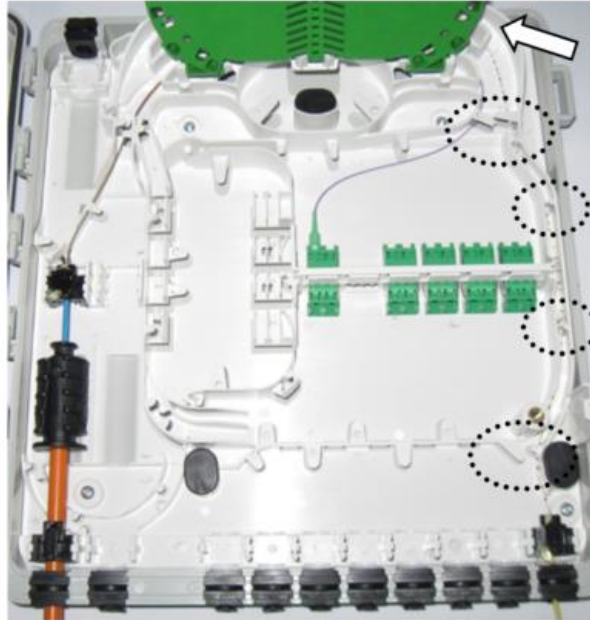
**Step 23**



- Use the Cable Clips as described in the dedicated section. Install the cable clips with the right diameter on the Customer Cable in circled positions.

**Installing a Customer Cable / Splitter**

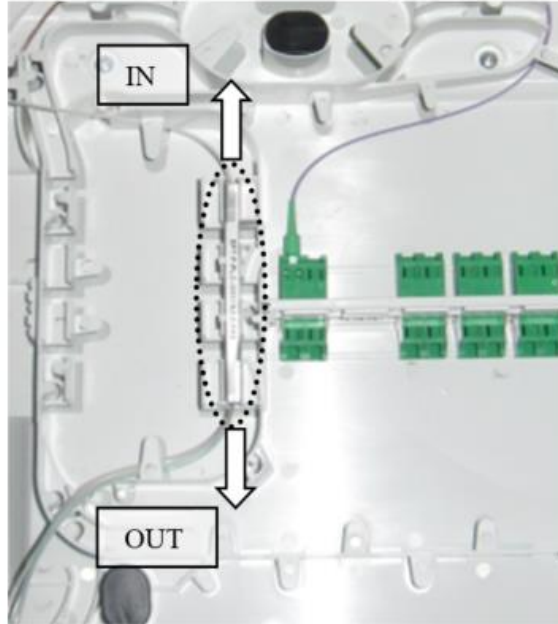
**Step 24**



- Route Customer Fibers through highlighted passages.
- Install fibers into the top tray as described in the previous chapter.

**Installing a Customer Cable / Splitter**

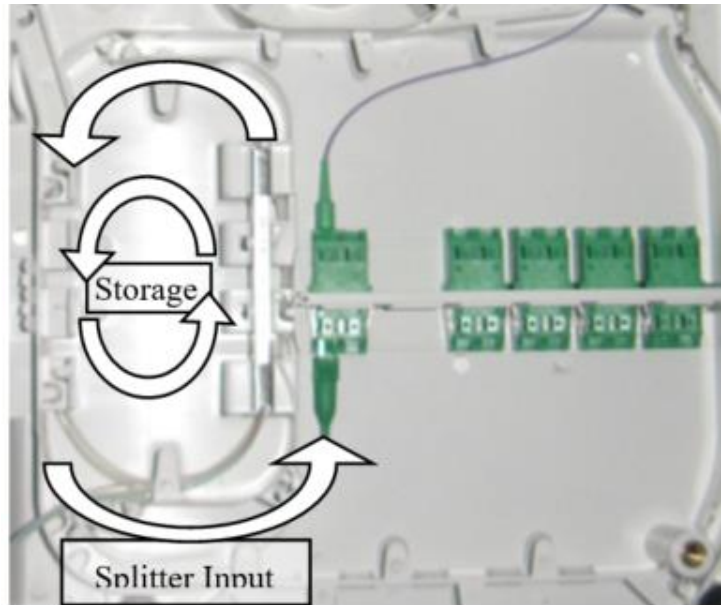
**Step 25**



- If required install the pre-connectorized Splitter 1x4 LC.

**Installing a Customer Cable / Splitter**

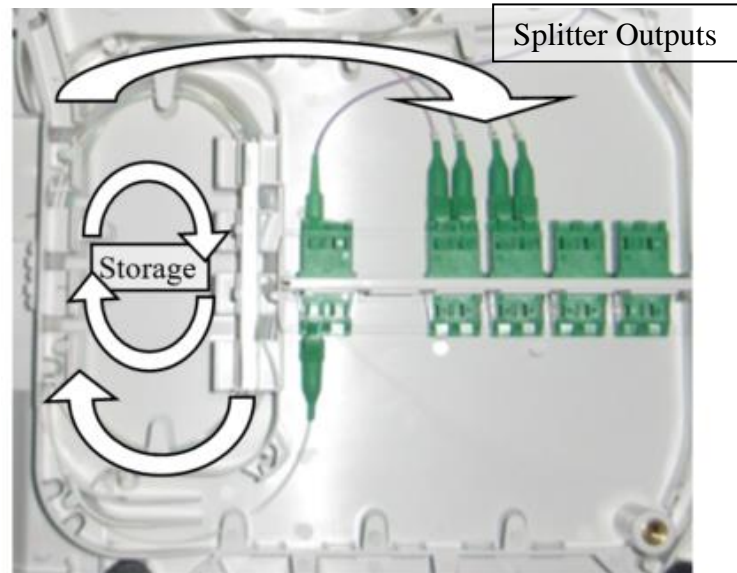
**Step 26**



- Install the Splitter Input Connector in correspondence of the Network Fiber Pigtail.
- Store the Splitter Input Overlength as shown.

**Installing a Customer Cable / Splitter**

**Step 27**



- Install the Splitter Output Connectors in correspondence of empty adapters or Customer Fiber Pigtails if available.
- Store the Splitter Output Overlength as shown.

**Installing a Customer Cable / Splitter**

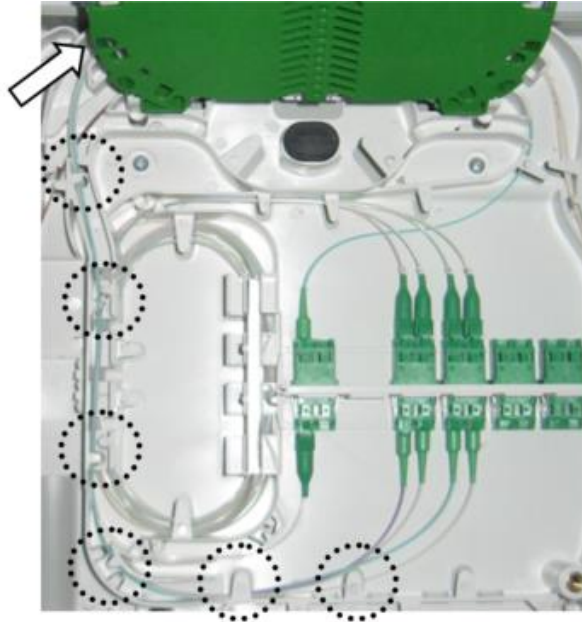
**Step 28**



- Alternatively, a bare fiber splitter can be installed in the bottom or the top tray.

**Installing a Customer Cable / Splitter**

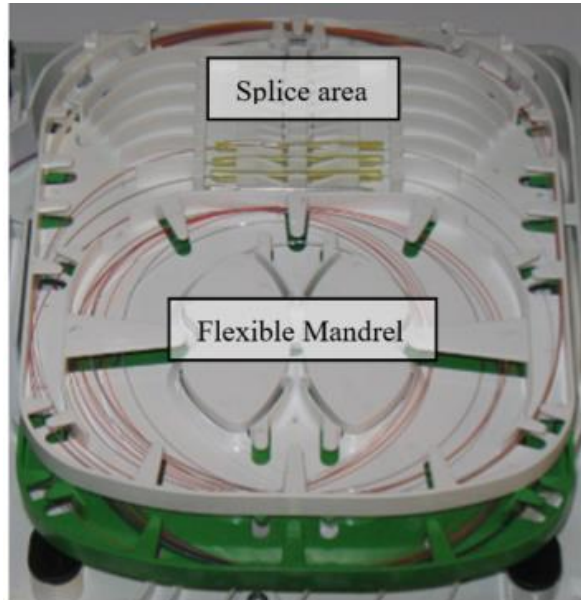
**Step 29**



- If not supplied install pigtails routing them to the top tray through highlighted passages.
- Install the Customer Pigtail Connector in correspondence of the Splitter Output (if required) or Network Pigtails.

**Installing a Customer Cable / Splitter**

**Step 30**

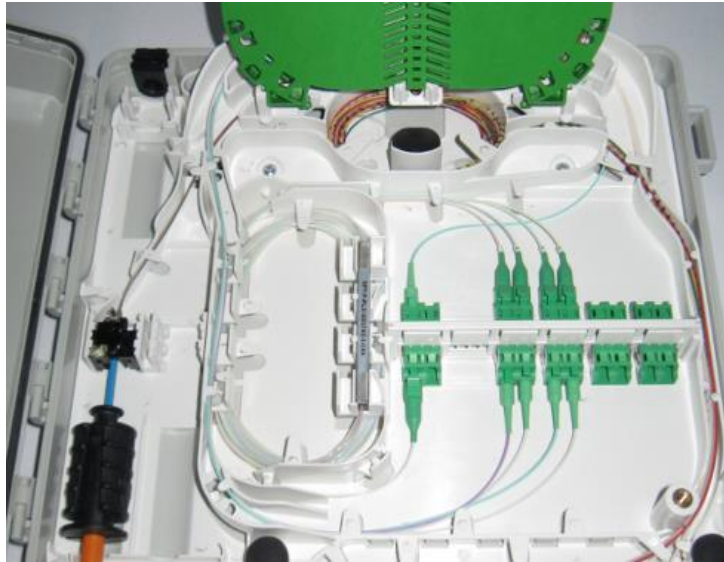


- Use thermo-shrinkable or crimp splice protectors in the splice area.
- Store the fiber overlength around the Flexible Central Mandrel.



**Storage Area & Preconnectorized Customer Cables**

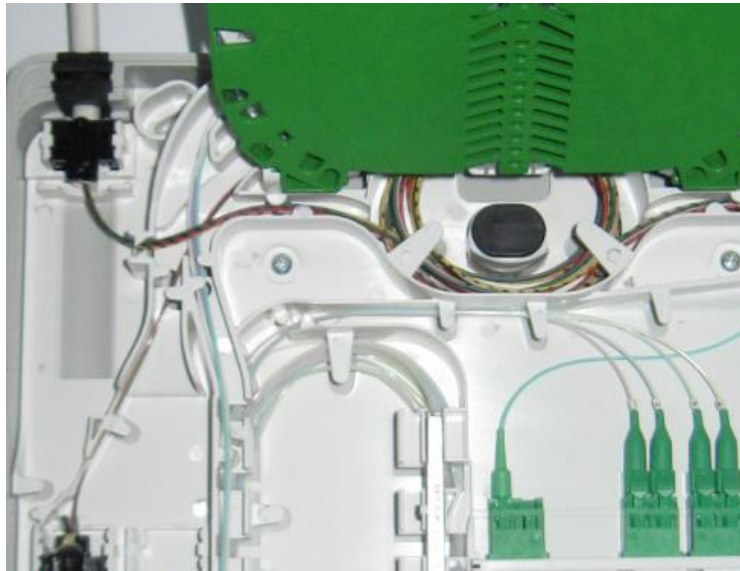
**Step 31**



- The storage Area can be used to park fibers ...

**Storage Area & Preconnectorized Customer Cables**

**Step 32**



- ... which will be used later through a tube outside of the box.

**Storage Area & Preconnectorized Customer Cables**

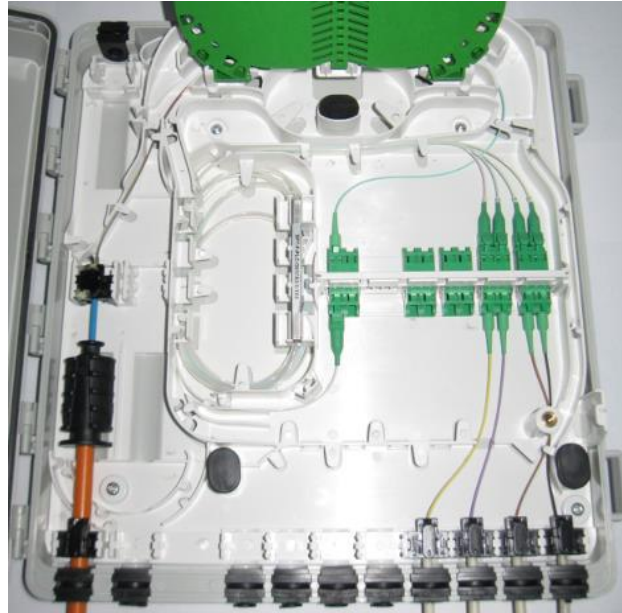
**Step 33**



- The storage Area can be used to park the modules (without the external sheath) of Preconnectorized Customer Cables.

**Storage Area & Preconnectorized Customer Cables**

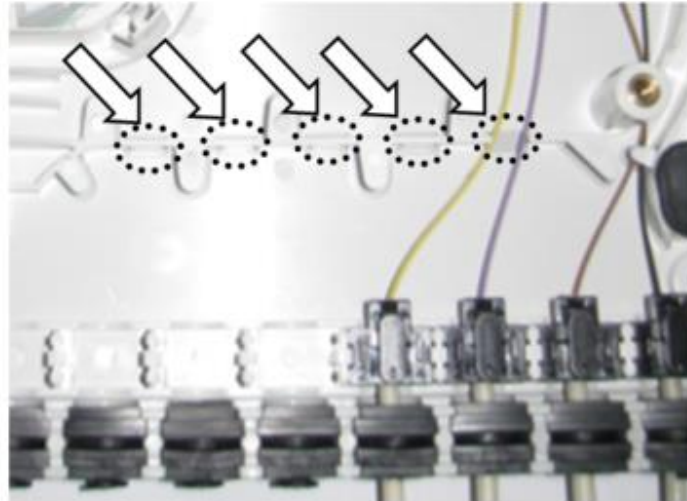
**Step 34**



- Preconnectorized Customer Cables can also be directly patched to adapters ...

**Storage Area & Preconnectorized Customer Cables**

**Step 35**



- ... just breaking the highlighted breakable walls.