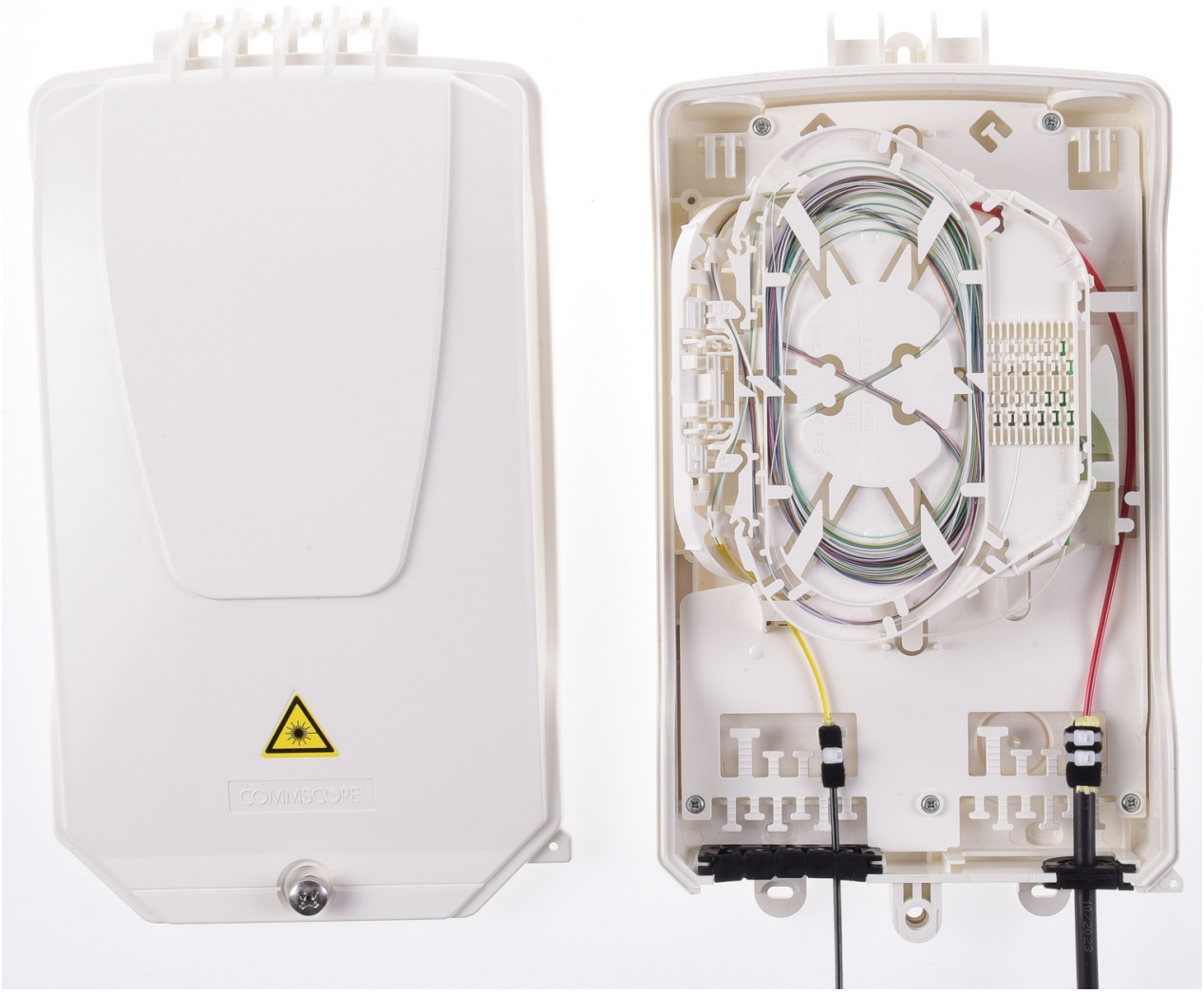
# XXXS - IFEB10

## 1 About this manual

This publication provides user information for the installation of the IFEB. The Indoor Fiber Entrance Box is ideal for small to medium size buildings. It provides a flexible fiber management system for transitioning outside plant cable to indoor cable via splicing or with connectorized cable assemblies. It incorporates proven fiber routing procedures, cable termination accessories and splice trays resulting in consistent, high-quality fiber management. Images in this manual are for reference only and are subject to change.

## 2 Product image




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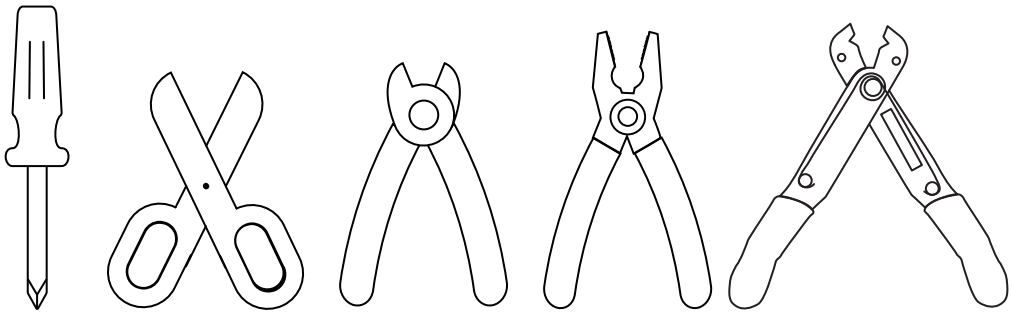
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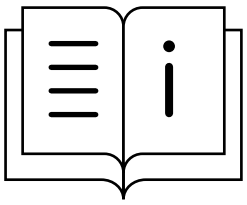
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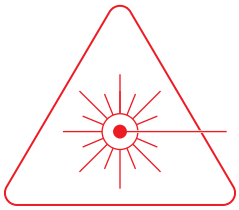
# 3 Tools

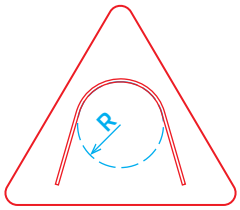


From left to right:
- Phillips screwdriver
- Scissors
- Cutting pliers
- Pliers
- Stripping pliers

# 4 Warnings and cautions



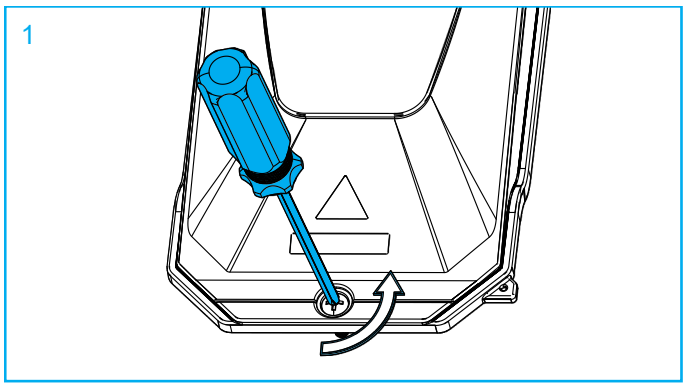


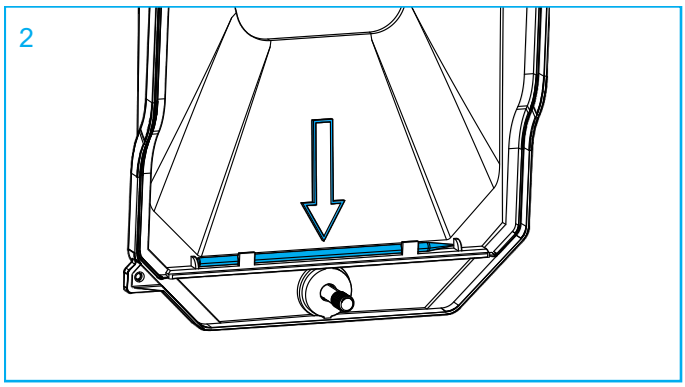



- Follow the installation instruction steps to ensure the performance of the closure. It is necessary to take precautions and keep the working space clean to protect the closure sealing materials and splices.
- Exposure to laser radiation can seriously damage the retina of the eye. Do not look into the ends of any optical fiber. Do not assume the laser power is turned off or that the fiber is disconnected at the other end. Looking into the ends of any optical fiber is entirely at your own risk. A protective cap or hood MUST be immediately placed over any radiating adapter or optical fiber connector to avoid the potential of dangerous amounts of radiation exposure. This practice also prevents dirt particles from entering the connector and adapter.
- Fiber optic cables may be damaged if bent or curved to a radius that is less than the recommended minimum bend radius. Always observe the recommended bend radius limit when installing fiber optic cables and patch cords.

# 5 IFEB preparation

## 5.1 Open the box



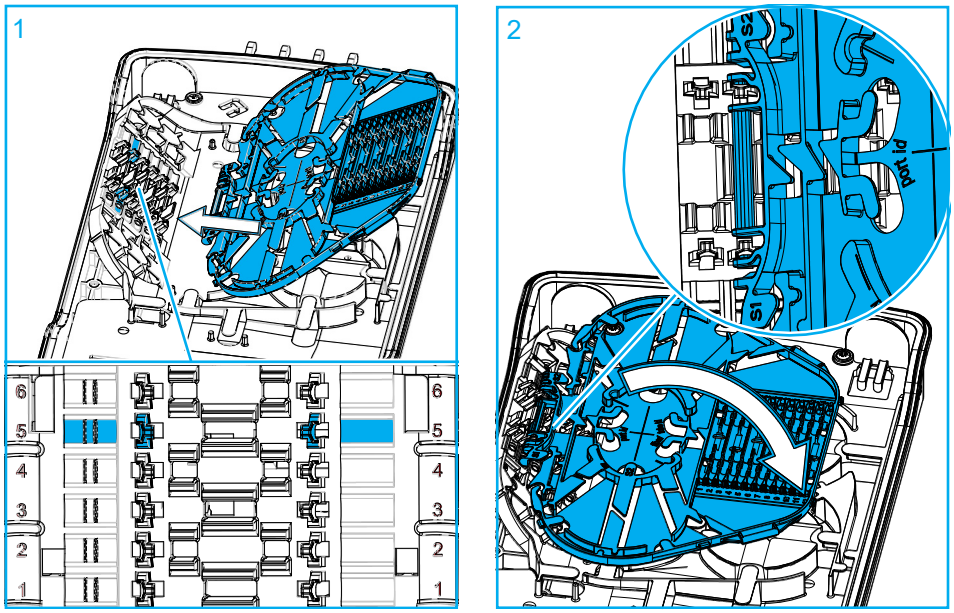




1 Open the box.

2 Locate the fiber guidance pen from inside the box cover. The pen is used to easily manipulate the fibers.


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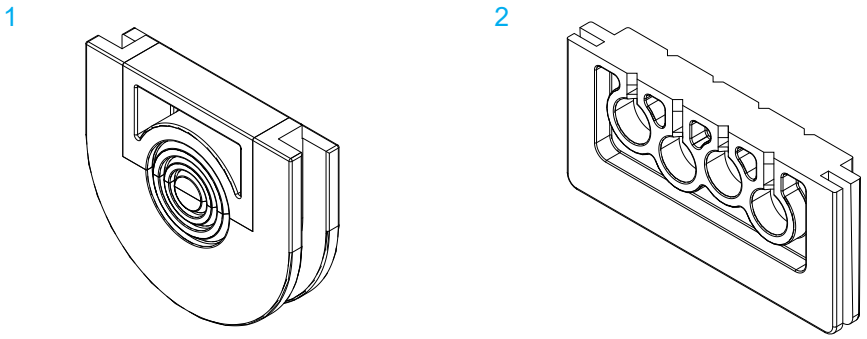
## 5.2 Install tray




1 Install the tray in position 5. (See numbering on tray panel.)

2 Lower the tray.

## 5.3 Seals

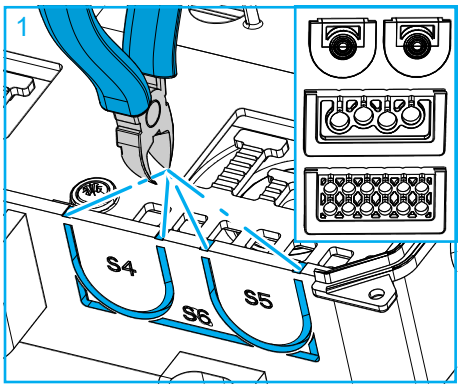


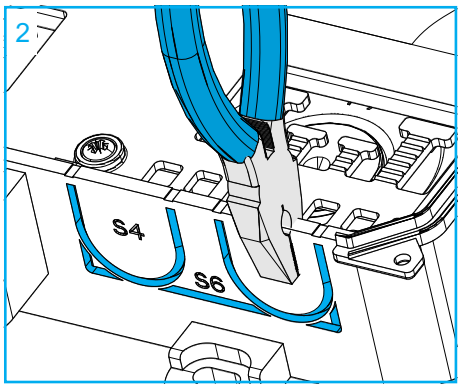

| N° | Description |
|---|---|
| 1 | Sealblock 1 x 15mm (feeder cable) |
| 2 | Sealblock 4 x 7mm (drop cable) |

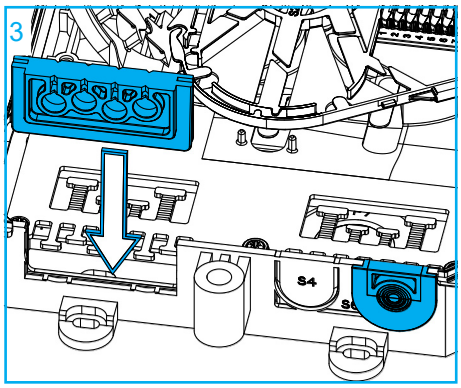

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### 5.3.1 Install seals

Determine which seals are required.




1 Create a notch at the top of the ports corresponding to the selected seals.

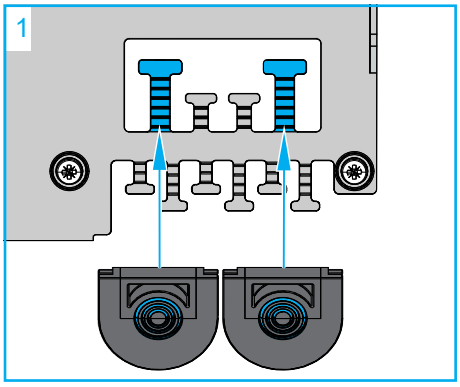
2 Open the appropriate ports.

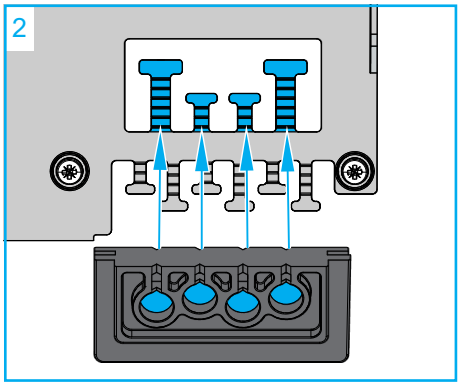
***Note:*** Remove all sharp edges and burrs.

3 Install the seals.

### 5.3.2 T-shape use

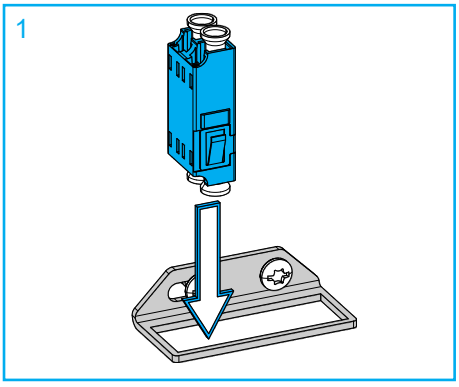
Depending on the type of seal being applied, the correct T-shapes must be used. (see illustrations)

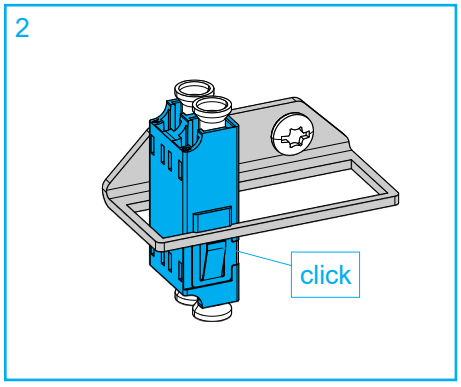



## 5.4 Install adapters

LC adapters

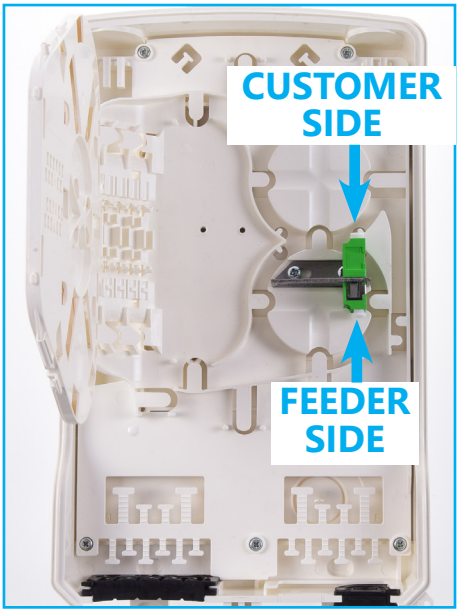



***Note:*** Maximum of 3 LC adapters per Patch panel.


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## 6 Layout

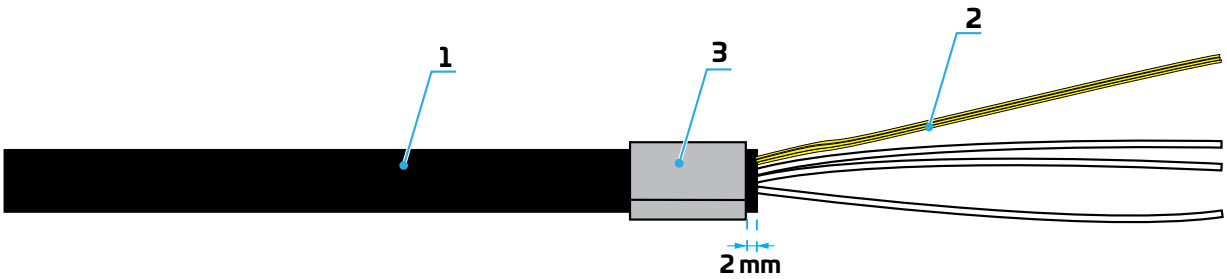




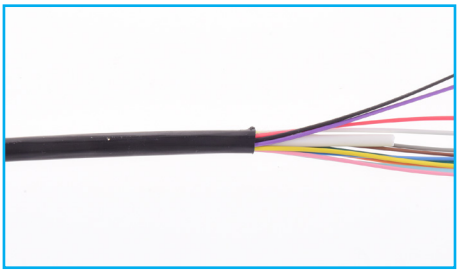


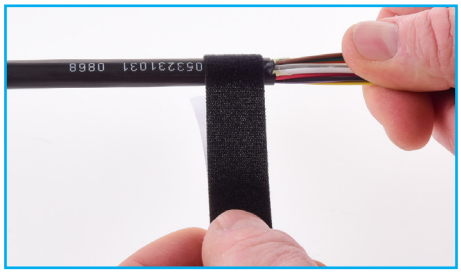


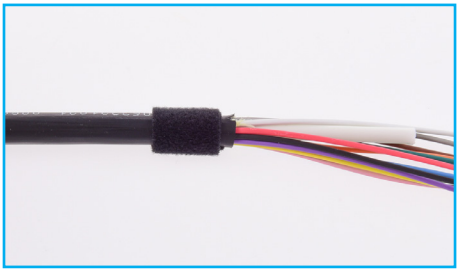

## 7 Prepare feeder/drop cables




| N° | Description | Preparation |
|---|---|---|
| 1 | Jacket | Strip the feeder cable (1,5m) |
| 2 | Aramid yarn (optional) | Cut at 20 cm.<br>📝 ***Note:*** If aramid yarn is present proceed with section "Cable with aramid yarn". |
| 3 | Protection tape | Wrap a piece of protection tape around the cable jacket at a distance of 2 mm from the jacket end. |

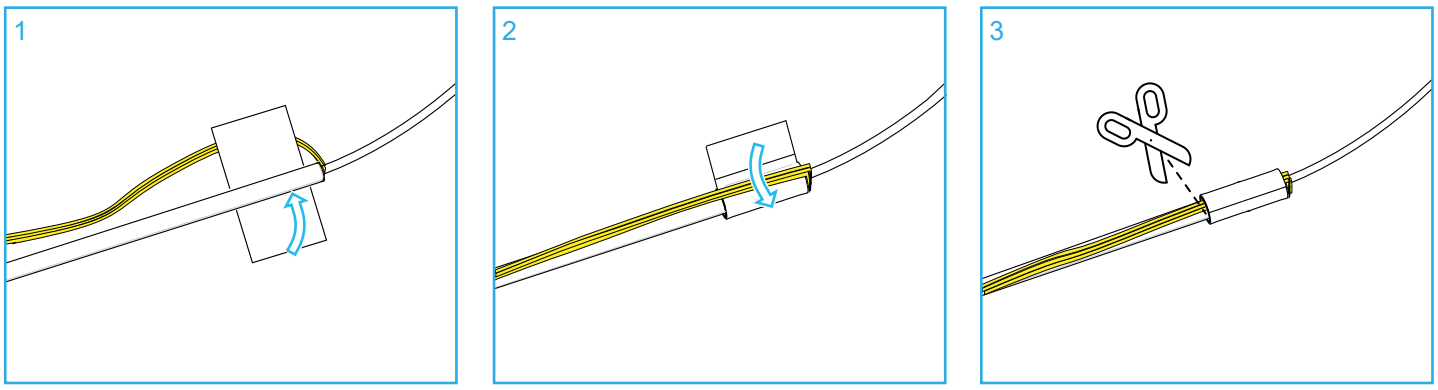







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### 7.1 Cable with aramid yarn



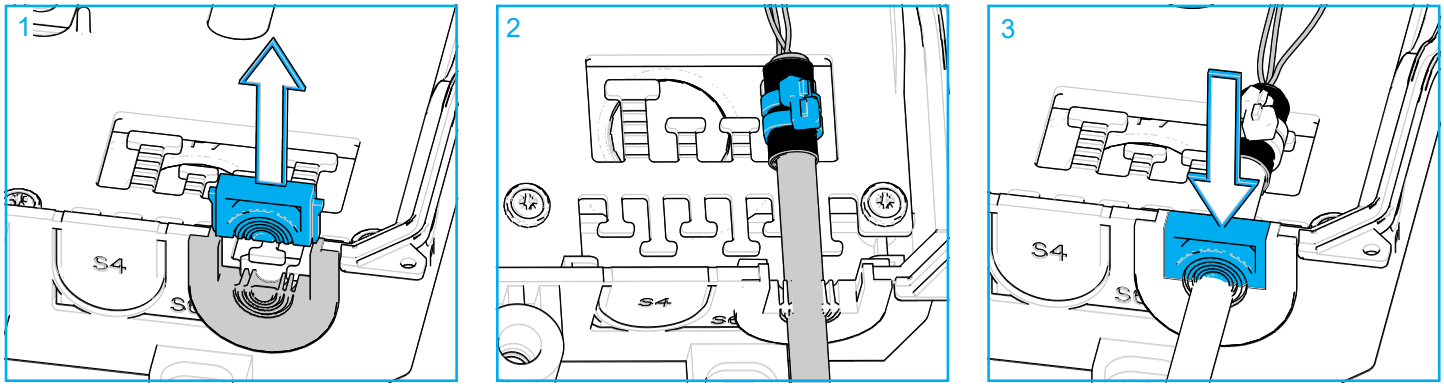

1 Wrap a piece of protection tape around the cable jacket.

2 Pull the aramid yarn backwards and secure with the protection tape.

3 Cut the aramid yarn below the protection tape.

## 8 Feeder cable

### 8.1 Install feeder cable



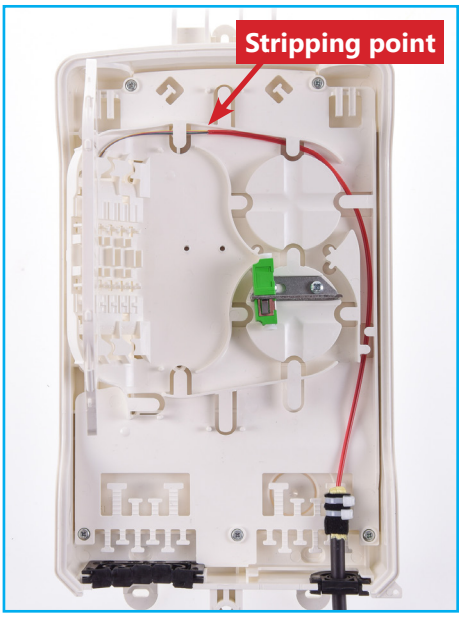

1 Remove the top part of the grommet.

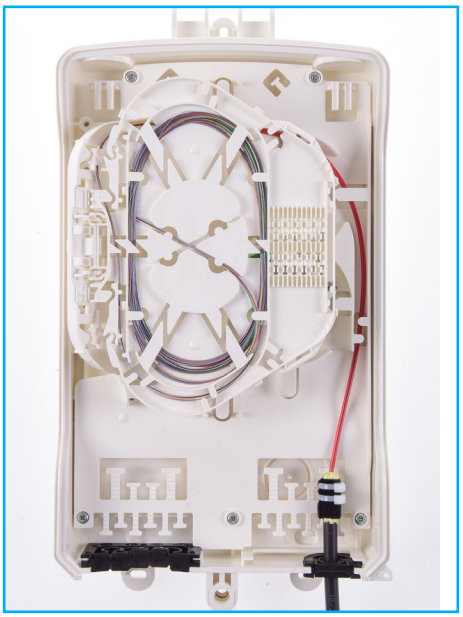
2 Remove the necessary number of rings from the seal to match the cable diameter. Install the cable on the t-shape and secure with two cable ties.

3 Reinstall the top part of the grommet.


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## 8.2 Route feeder fibers to tray



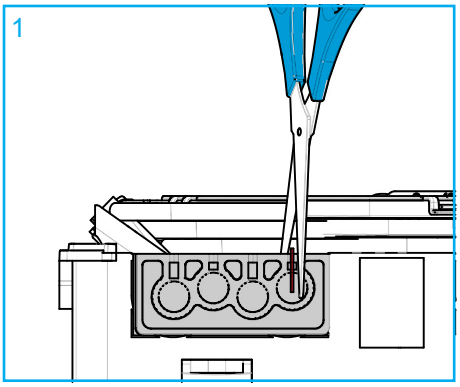



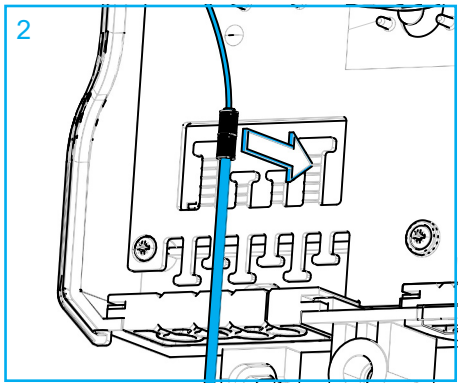
1 Route the feeder fibers as shown in the illustration.

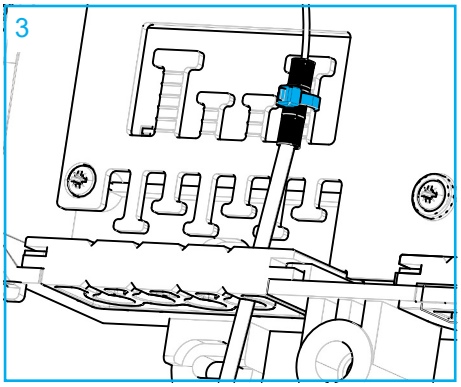
2 Store the feeder fibers on the tray.

# 9 Drop Cable

## 9.1 Drop cable installation




1 Cut the sealing block where the drop cable will be installed.

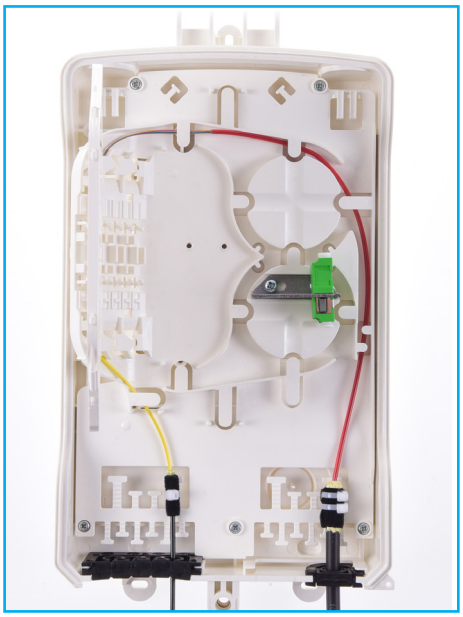
2 Apply protection tape on each cable, carefully slide the cable into the seal block.

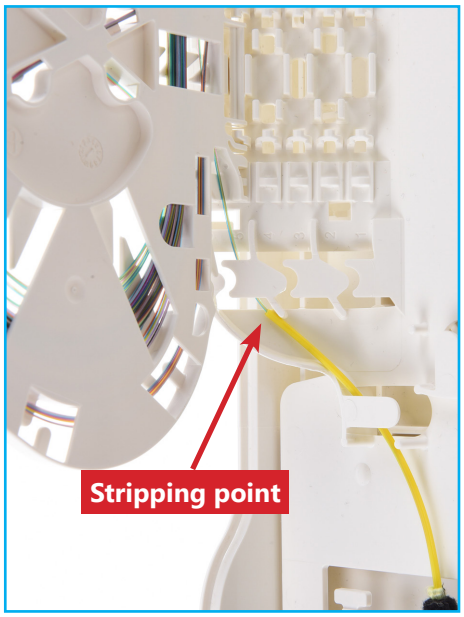
! ***Caution:*** Be careful that the cable is not damaged while sliding into the seal block.

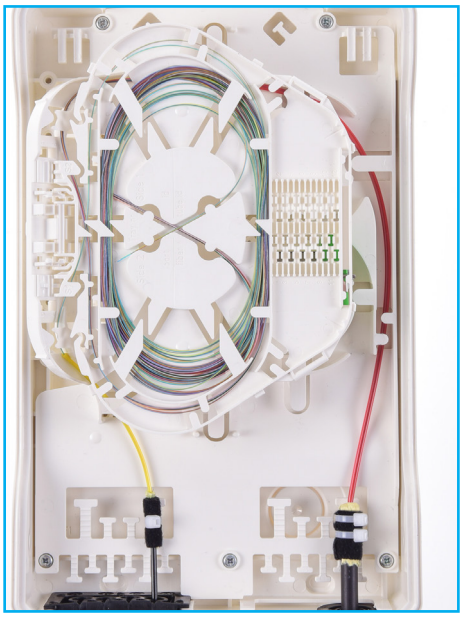
3 Secure the cable with a cable tie as shown.


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## 9.2 Route drop fibers to tray





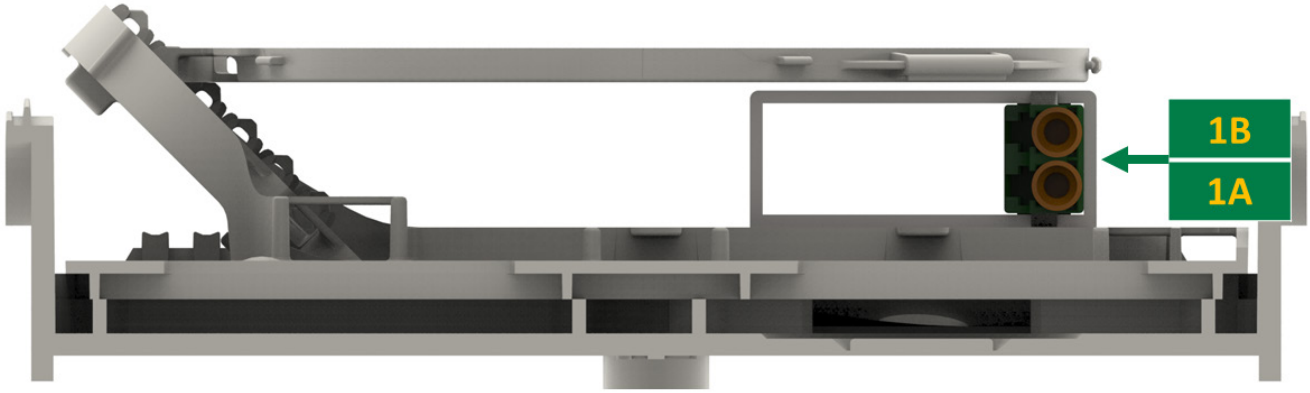



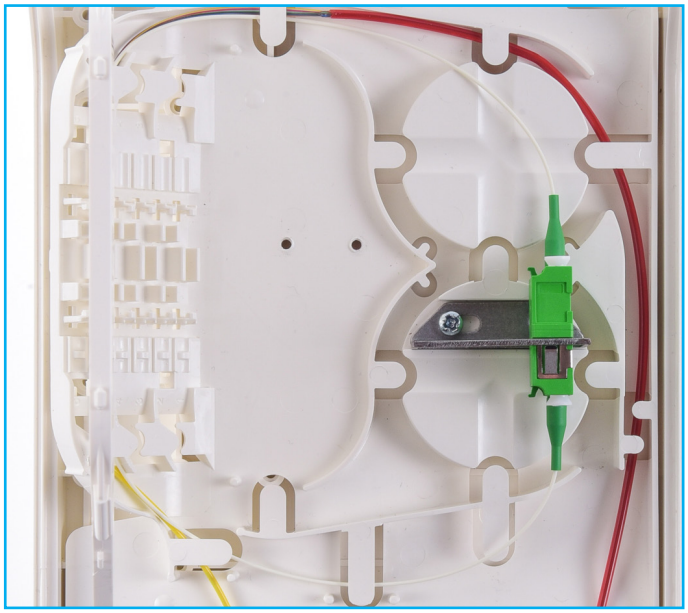
1 Route the drop fibers as shown in the illustration.

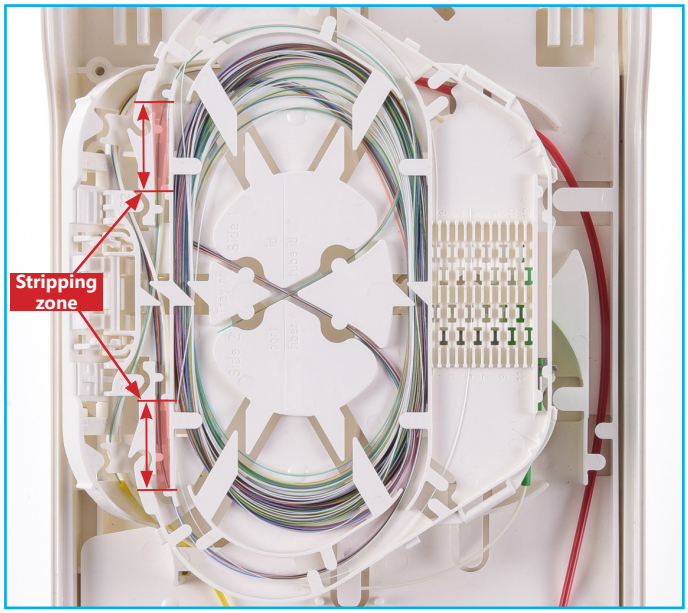
2 Route the drop fibers to the tray.

3 Store the drop fibers on the tray.

# 10 Install pigtails







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## 11 Splicing on tray

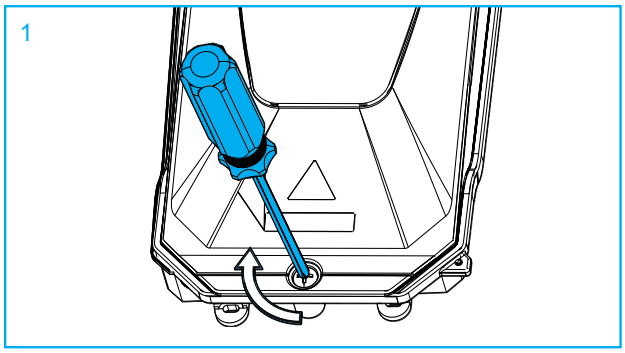
Make splice per local practice and store the splice protector in the splice protector holder. Store the over lengths in loops in the over length storage area.

## 12 Close the box

❗ ***Caution:*** Ensure all cables are properly positioned inside the box to avoid damaging them when closing the cover.

❗ ***Caution:*** Secure all cables to the wall below the box before bending.

1 Secure by turning the locking screw clockwise.




## 13 Disclaimer

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