NOVUX™ Fiber Optic System
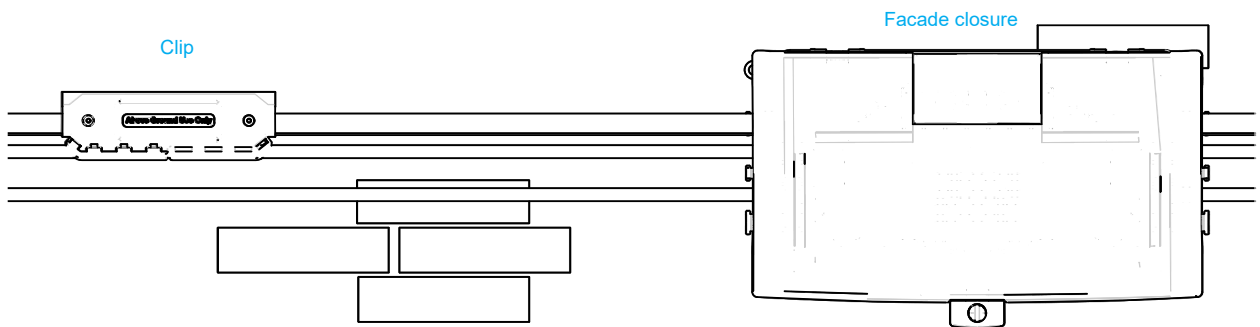## SEC 100 Splice Application

About this manual

This installation instructions document describes the installation of the SEC 100 Splice Application. The document starts with providing an overview of the tools required to perform the installation. Also warnings and cautions are indicated, which should be observed before starting the product installation.

Following installation steps are covered in this document: closure preparation, organizer preparation, feeder cable preparation and installation, drop cable preparation and installation, routing towards and on the trays, splicing, closing the closure and mounting the closure.
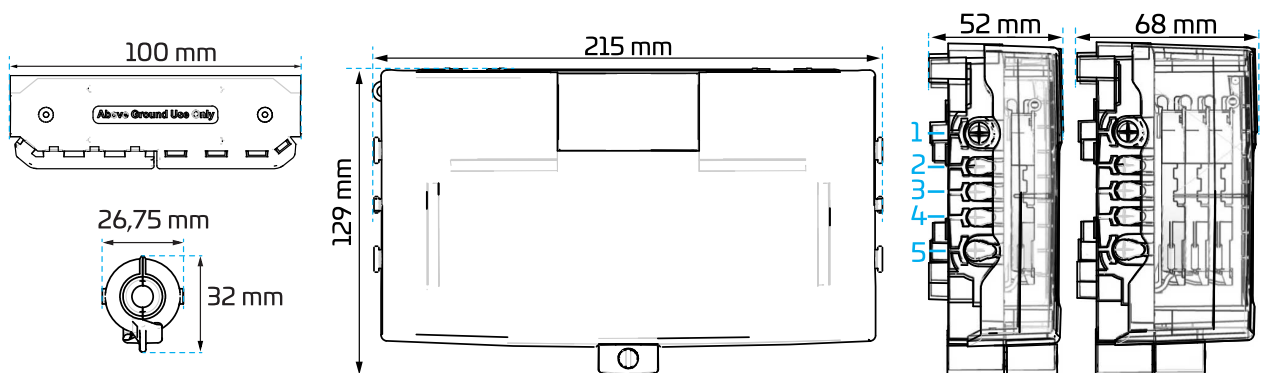
Images in this manual are for reference only and are subject to change.

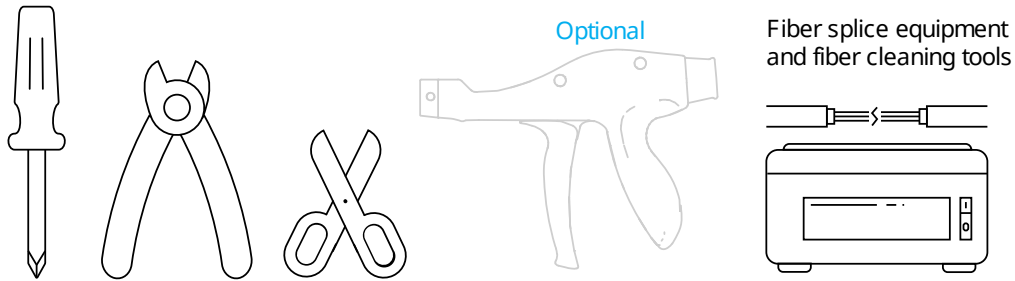## General product information

System overview

Dimensions

Cable range

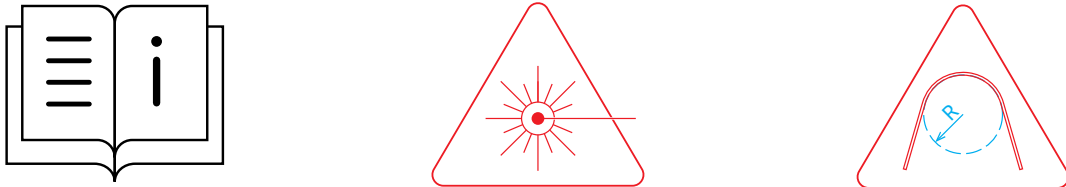| Position	Cable diameter range
1, 5(turn seal)	8-12 mm
2, 3, 4	up to 7 mm

Contents

1   Tools

Optional

Fiber splice equipment and fiber cleaning tools

# 2   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, subunits and patch cords.
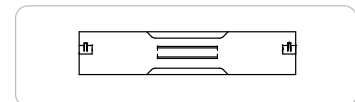
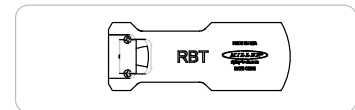# 3   Kit contents and accessories

Kit contents facade closure
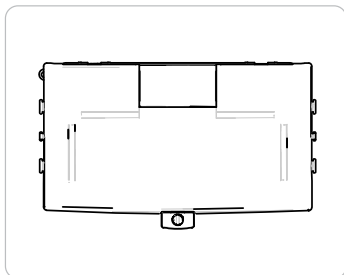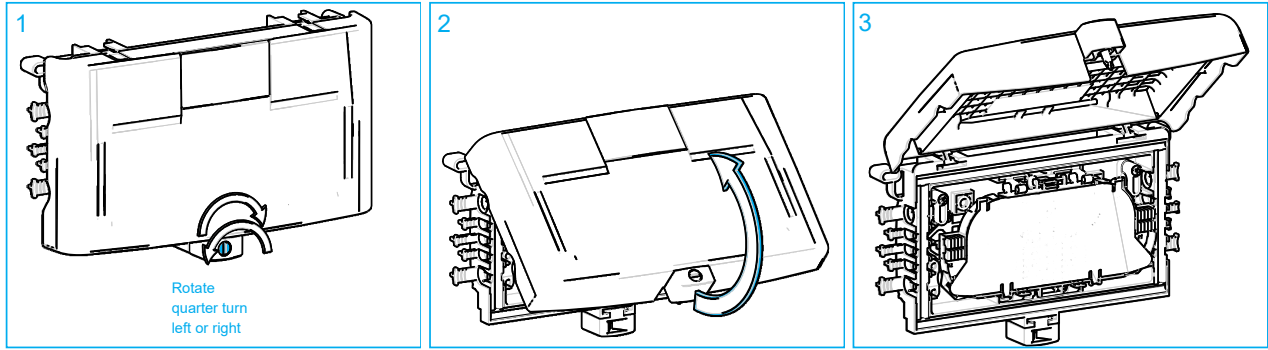
Kit contents clip
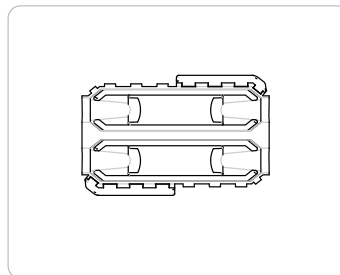
Accessory 1: cable holder

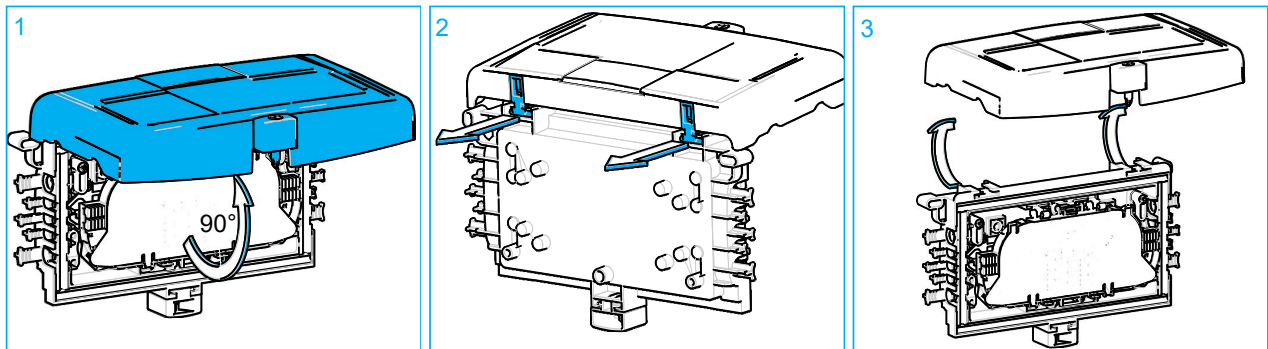Accessory 2: shaving tool
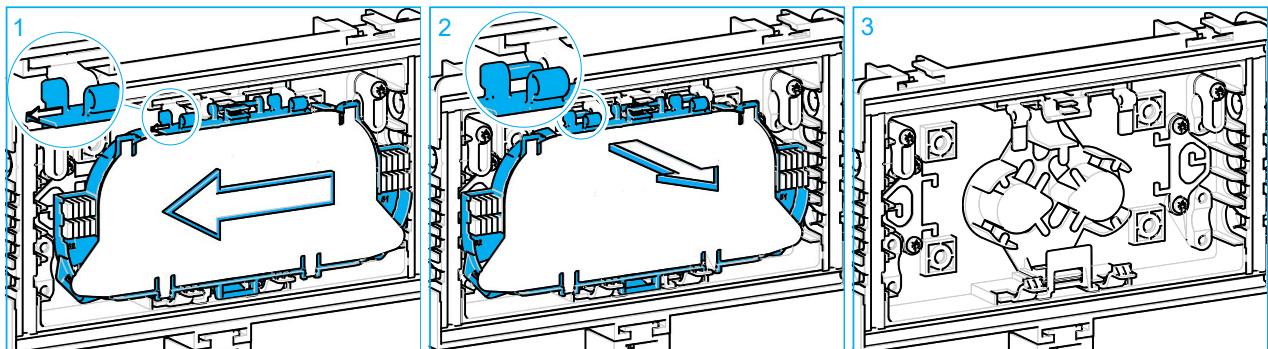
RBT

4 Closure preparation

4.1 Open closure

Rotate quarter turn left or right

4.2 Lock cover and locate fiber guidance pen

Lock cover

130°
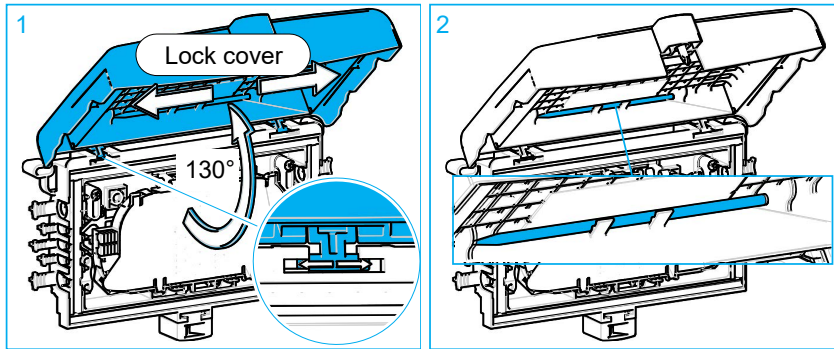
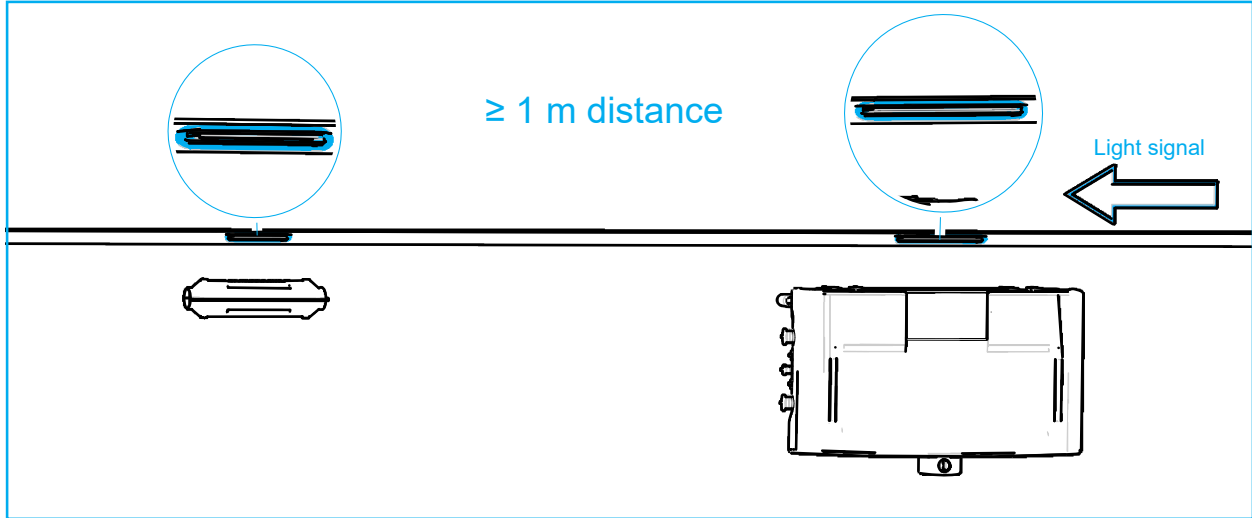## 4.3 Remove the closure cover

90°

4.4 Remove tray

5 Inline applications
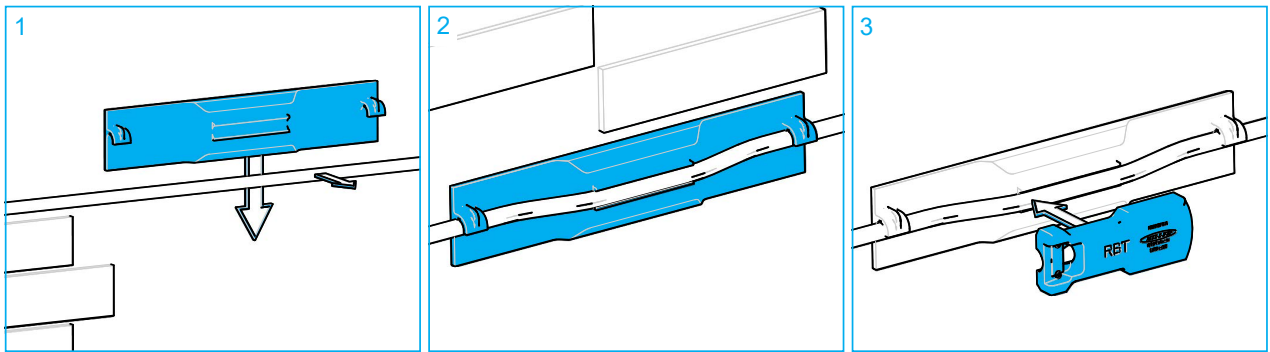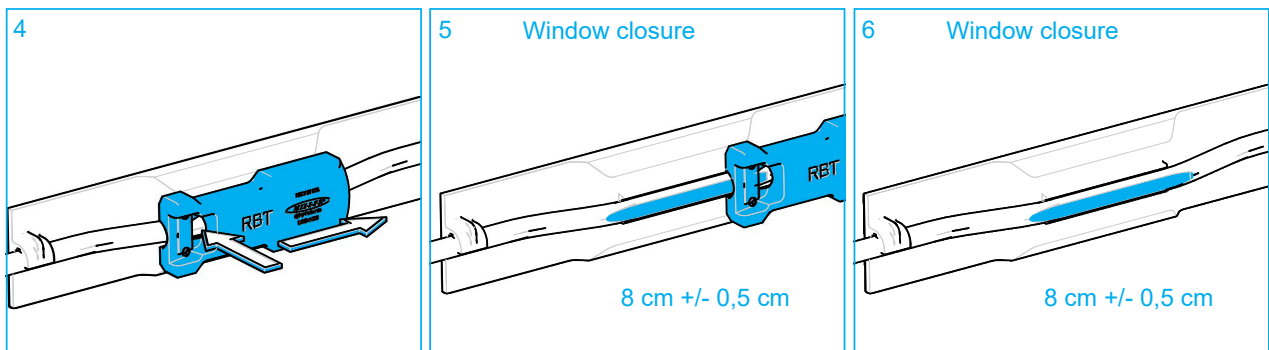
5.1 Feeder cable preparation

5.1.1 Window cut

5.1.2 Shave cable

1 Install cable holder.

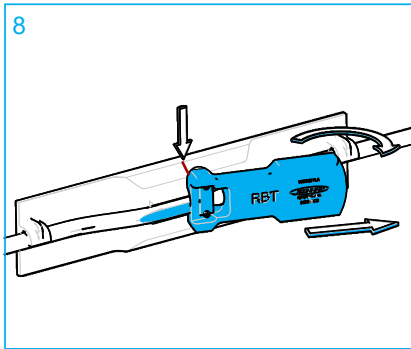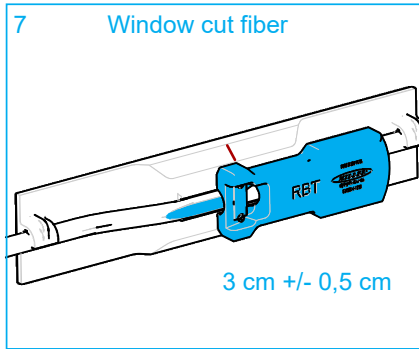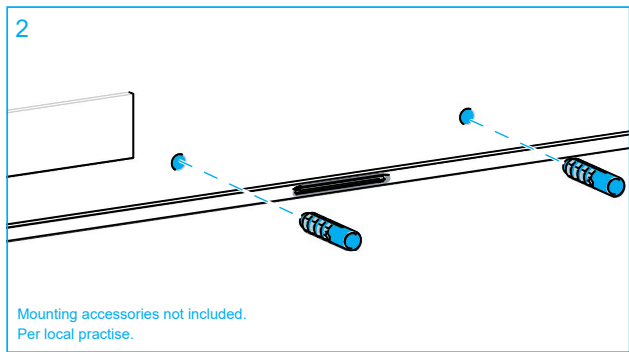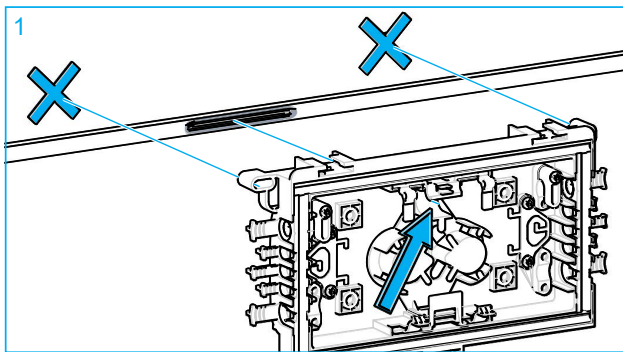2 Make opening in the cable over the complete length of the cable holder (8 cm +/-0,5 cm).

3   Make second opening, at minimum 1 m distance of the existing opening, until mark on the cable holder (3 cm +/-0,5 cm).
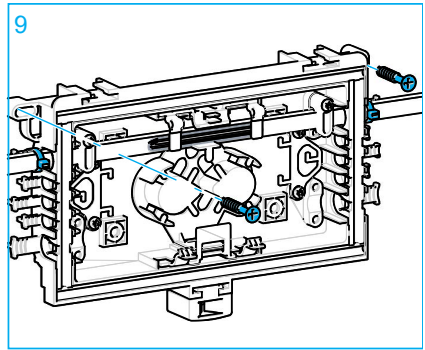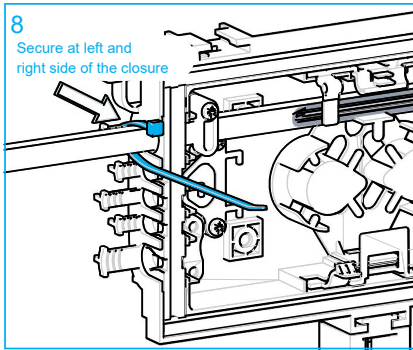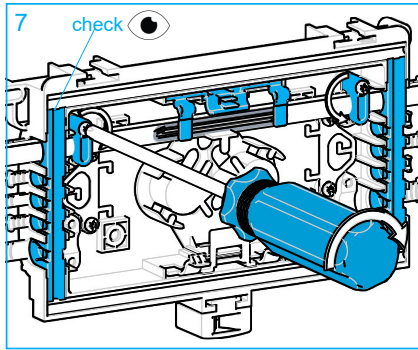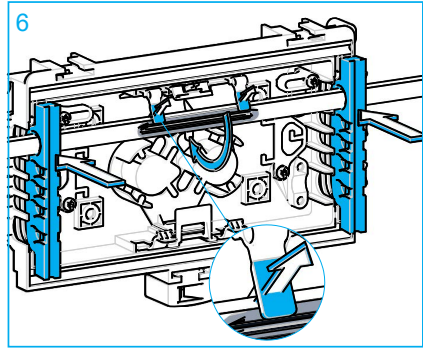
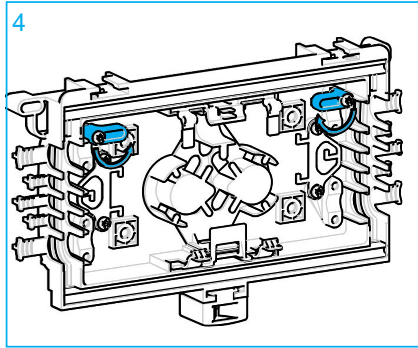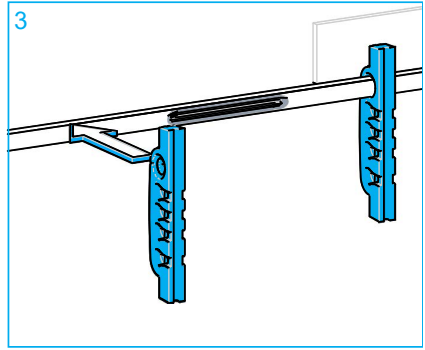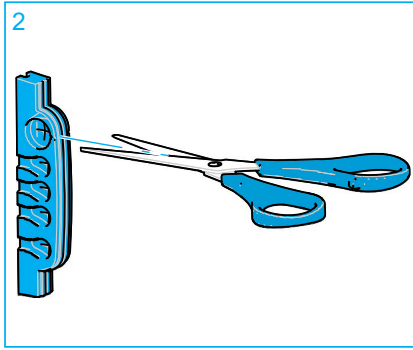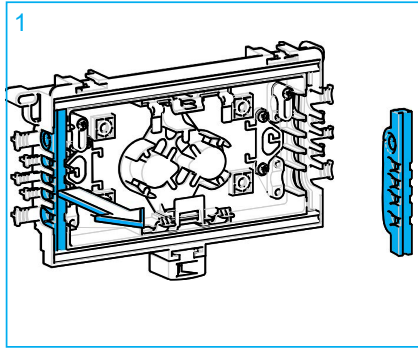| 7 Window cut fiber	8	9 Window cut fiber
RBT	RBT	
3 cm +/- 0,5 cm		3 cm +/- 0,5 cm
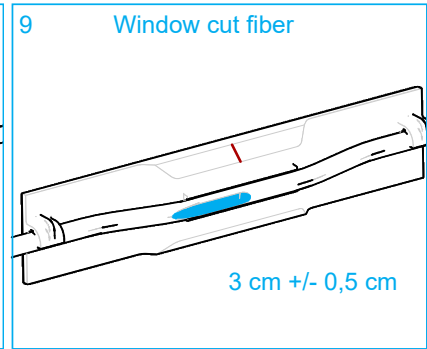
5.2   Position closure on the cable

1	2
	Mounting accessories not included. Per local practise.

5.3 Mount the closure
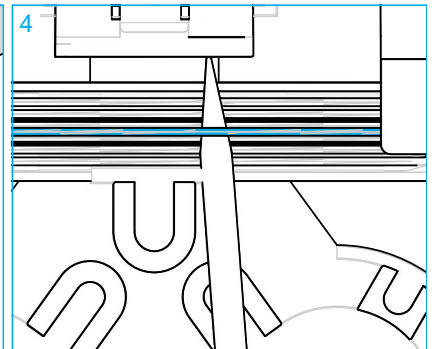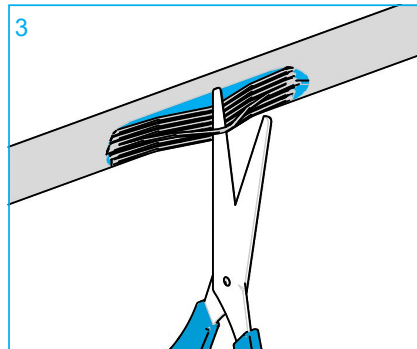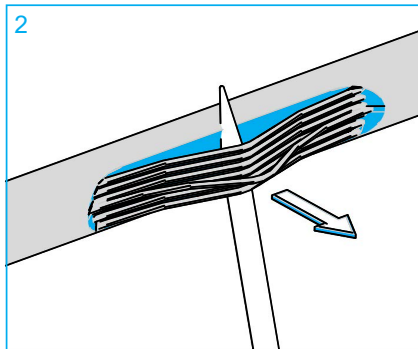
1

2

3

4

5

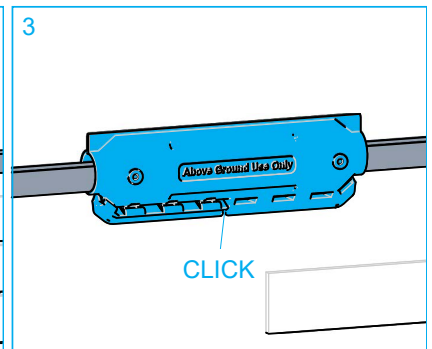**6**

7 check

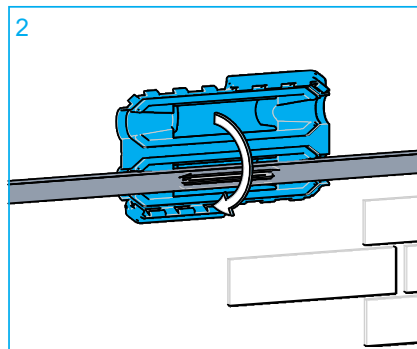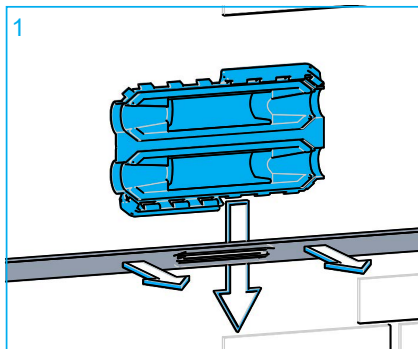**8** Secure at left and right side of the closure

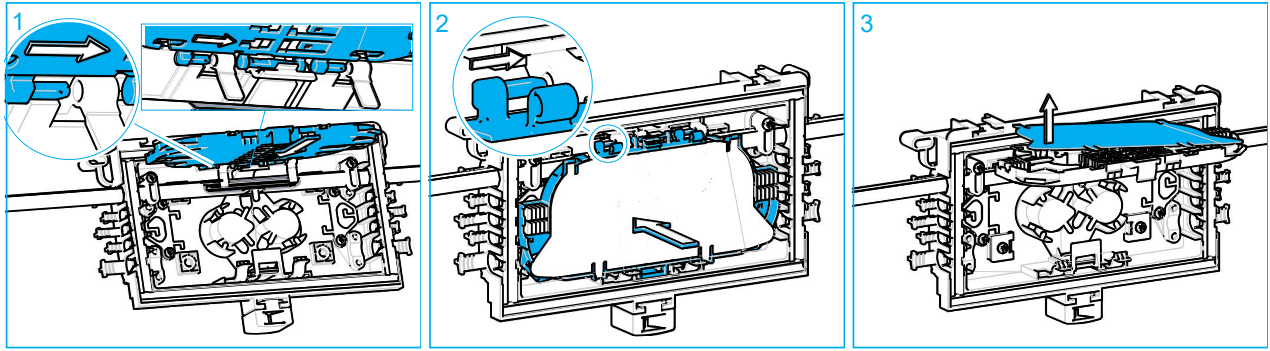**9**
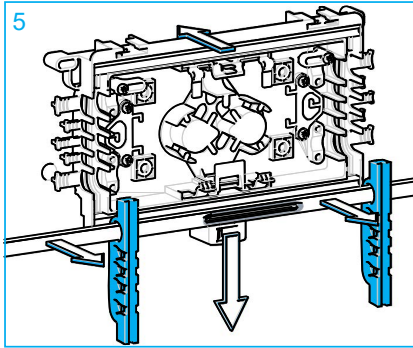
5.4 Feeder cable installation

5.4.1 Pull back fibers
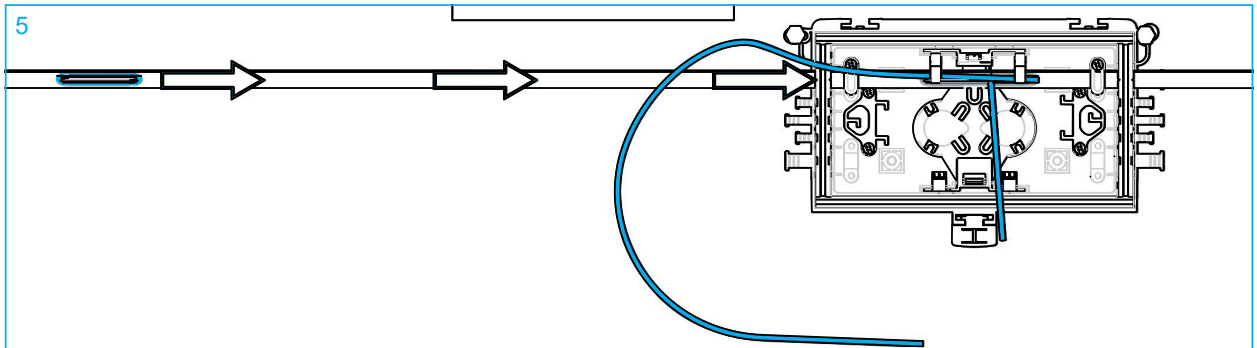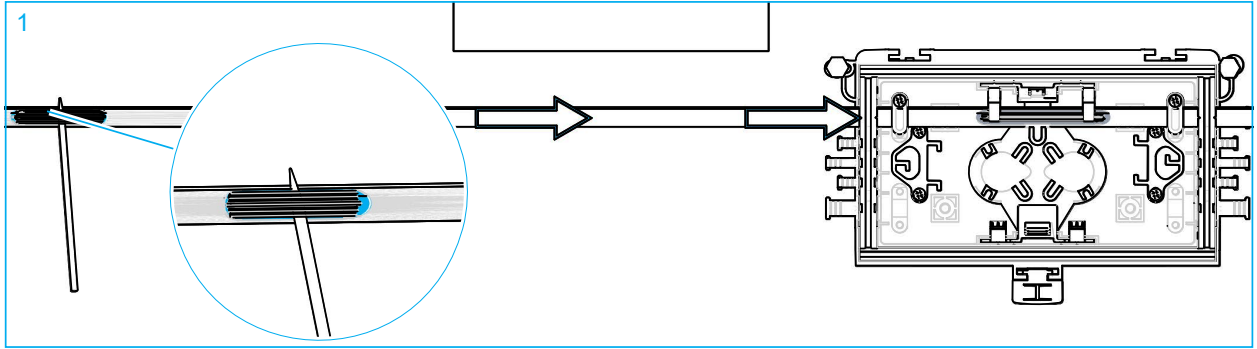
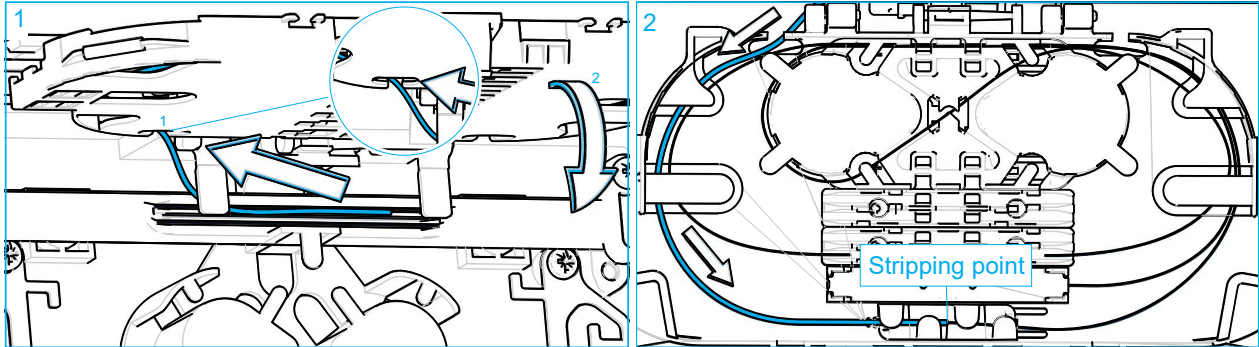### 5.4.2 Protect window to cut fiber

CLICK

5.4.3 Reinstall tray

5.4.4 Route feeder fibers to splice tray

Stripping point

5.5 Install drop cable

5.5.1 Install drop cables

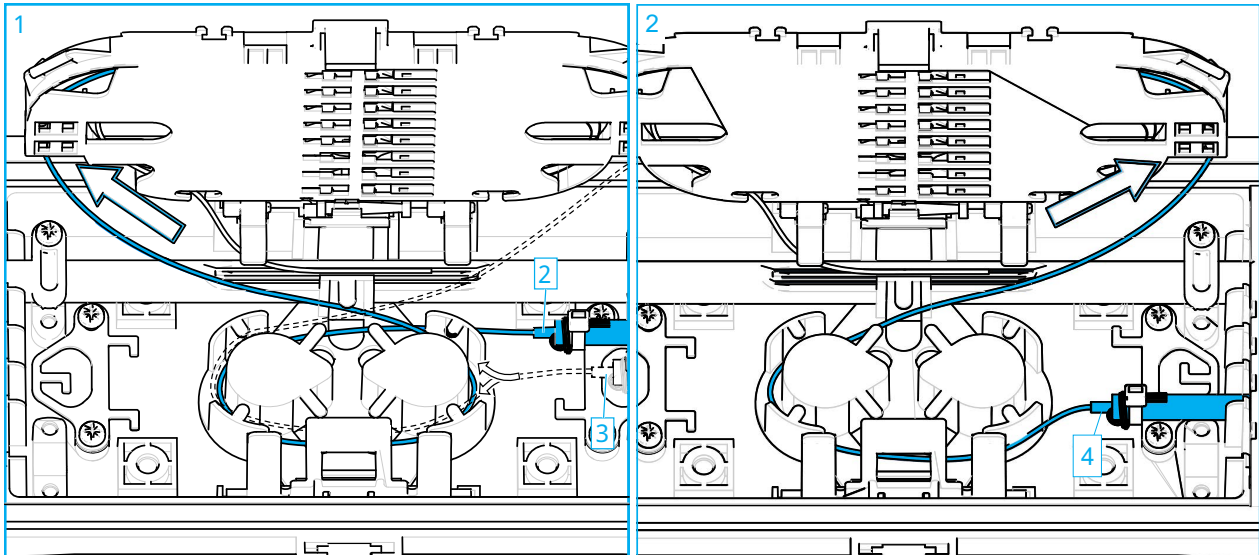Push drop cable through seal

Push through +/- 2 m
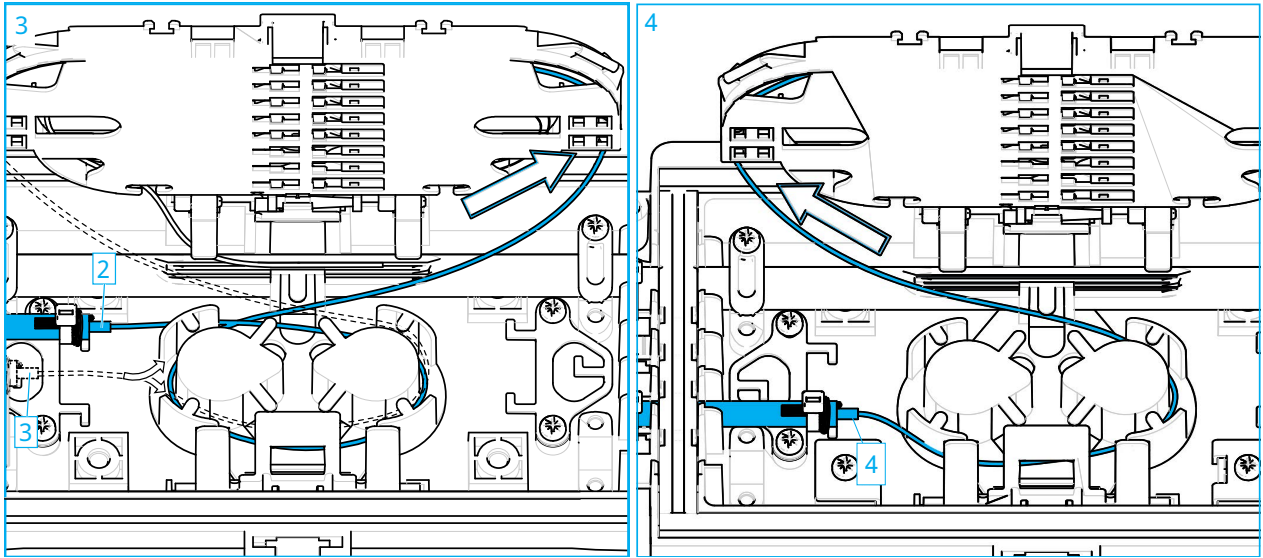
130 cm

12 cm
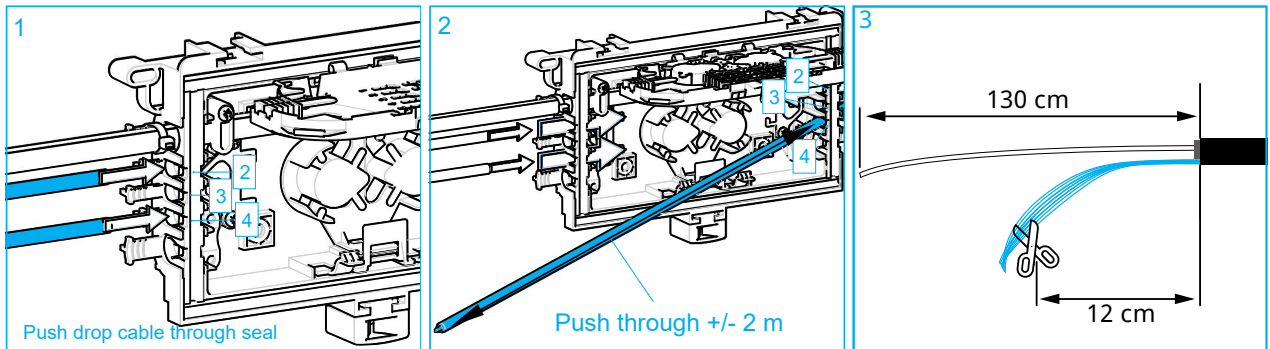
5.5.2 Secure aramid yarn
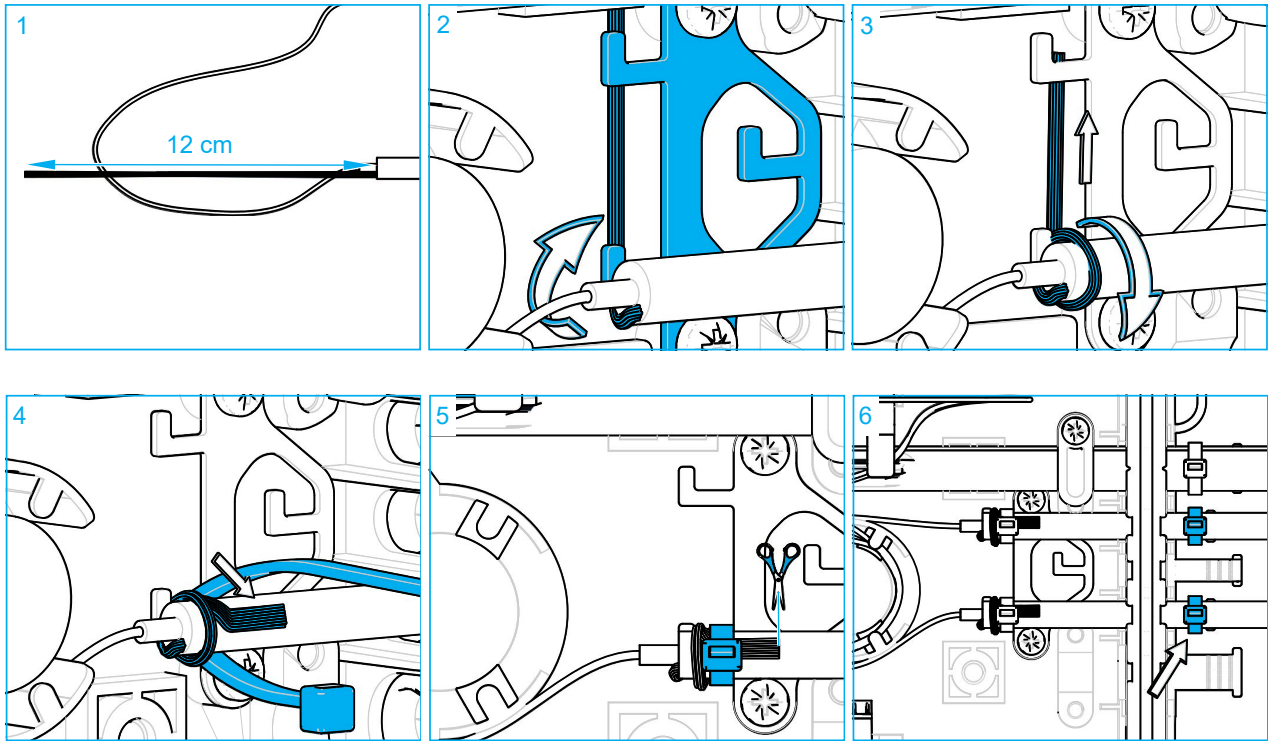
5.5.3 Route drop cables to tray

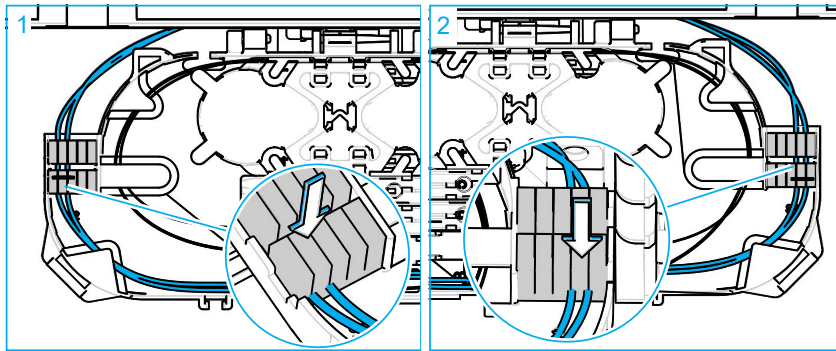### 5.5.4   Routing on tray
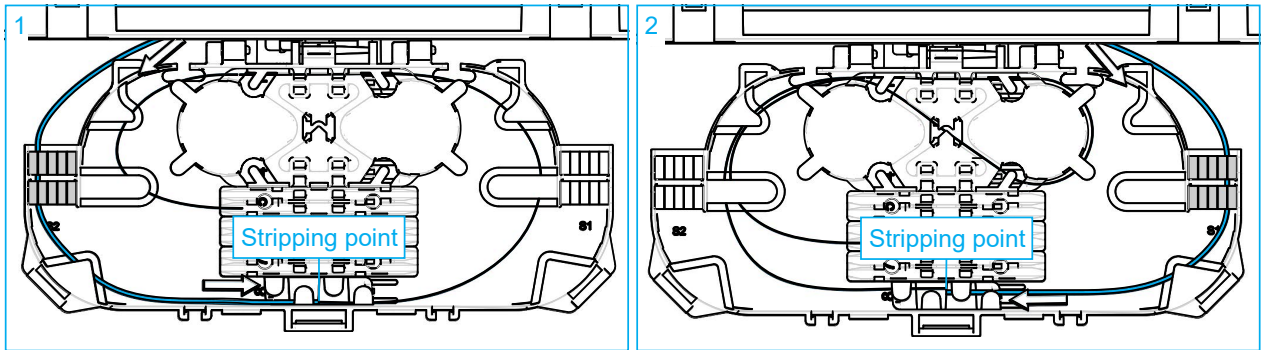
5.6 Splice application

5.6.1 Splitter application

5.6.1.1 Splice feeder to input splitter
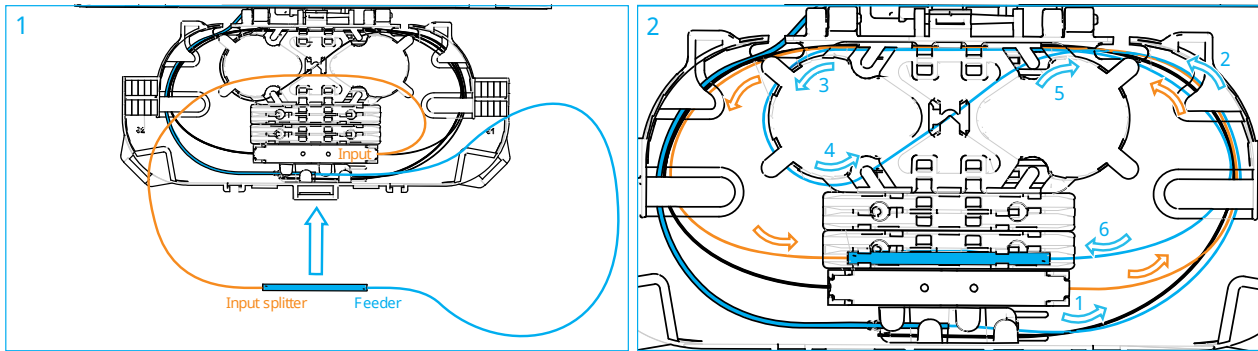
5.6.1.2 Splice drop to output splitter
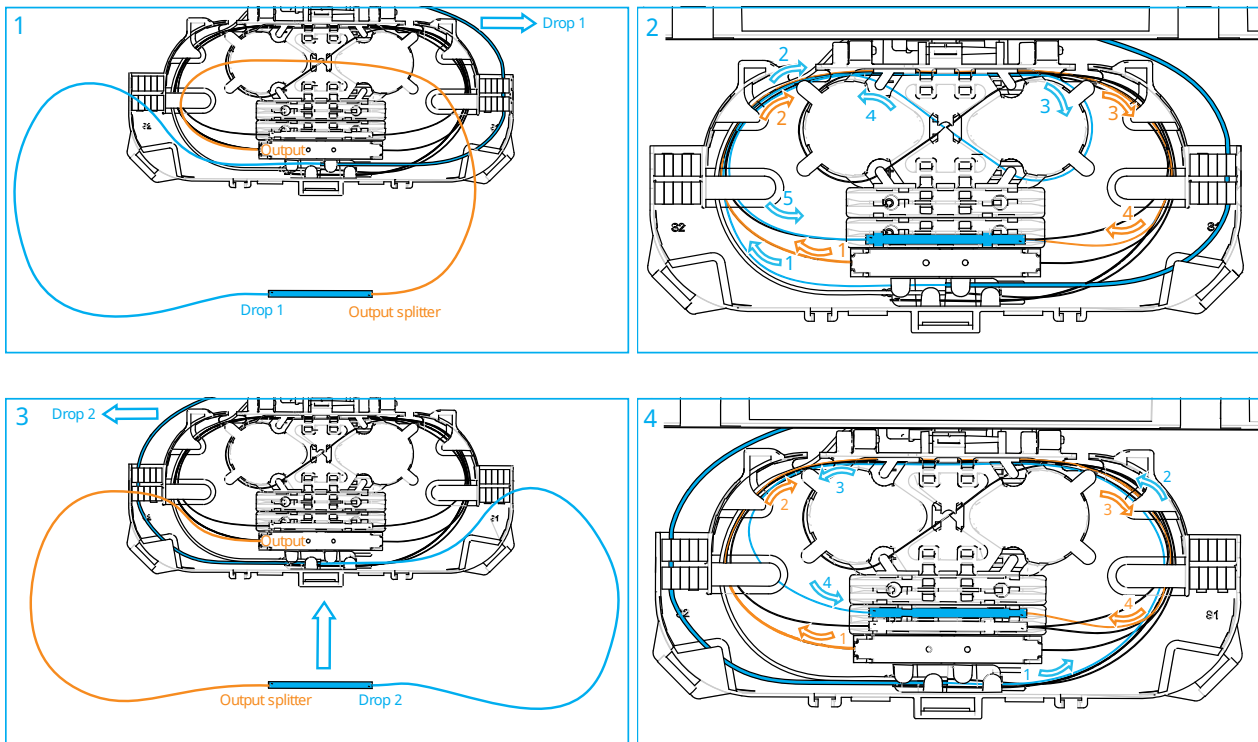
5.6.2   Direct connection
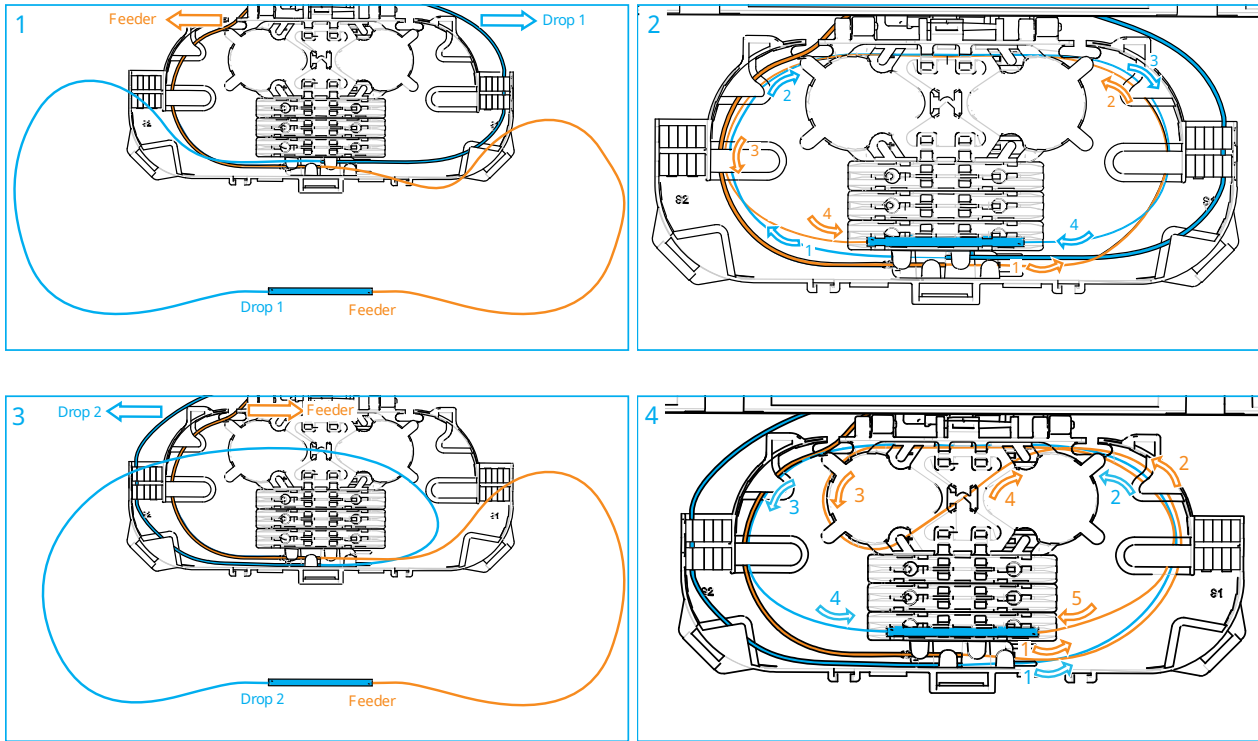
6   Cable to cable application

6.1   Prepare cable (Ø 9 mm)
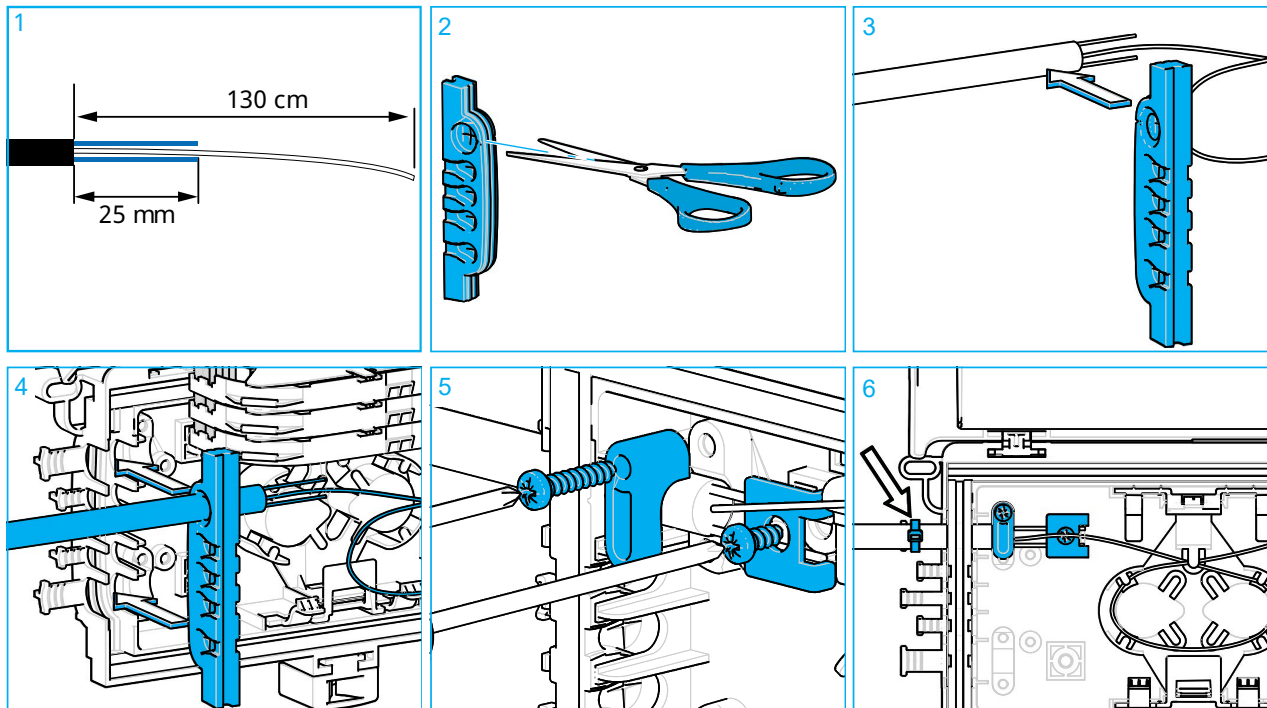
📄 **Note:** To secure the strength member(s), a separate kit with the required components can be ordered.

6.2　Route to tray

6.3　Routing on tray

Stripping point

Stripping point

6.4 Make splice

Cable 1 Cable 2

Cable 2 Cable 1

6.5 Use bottom port

180°
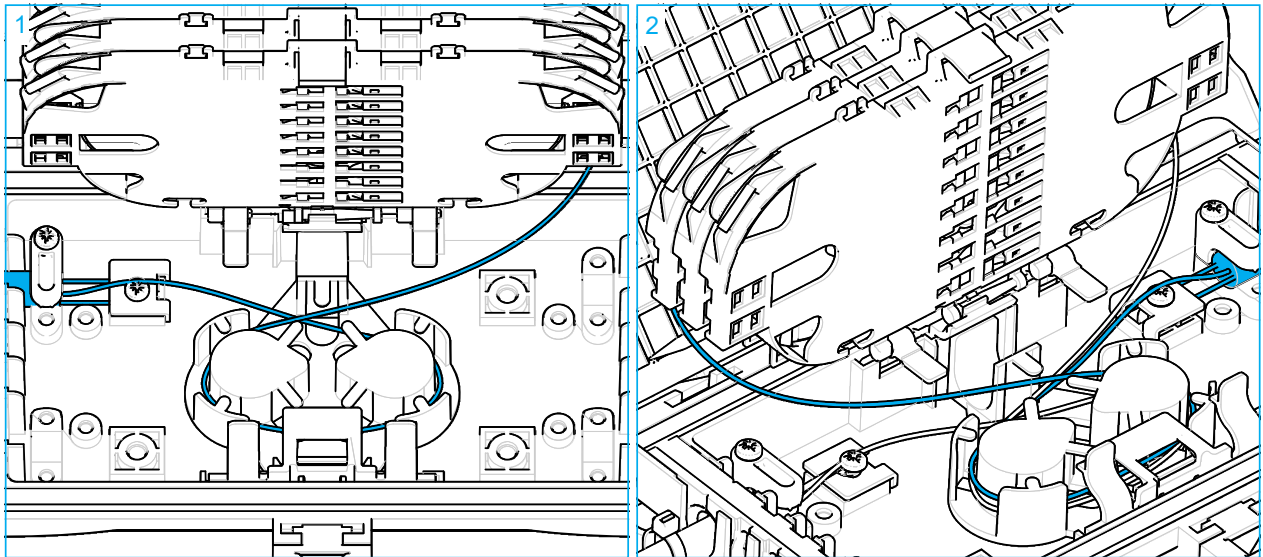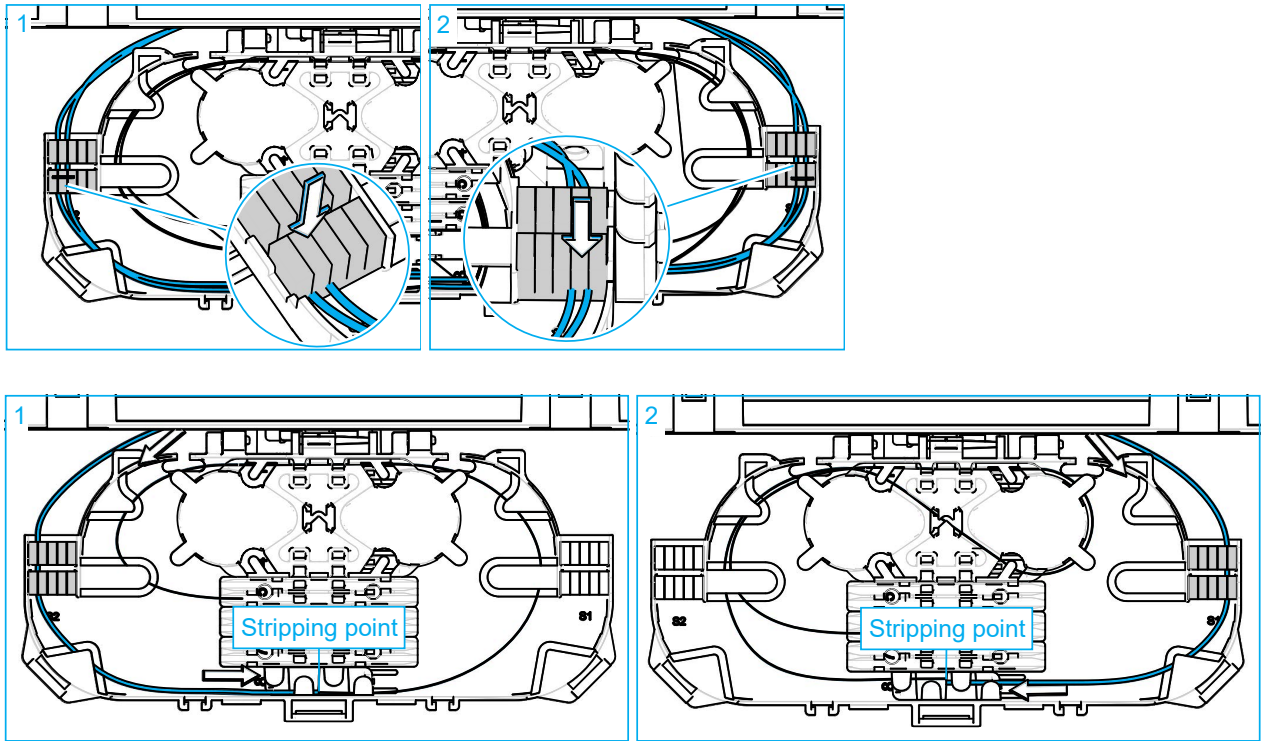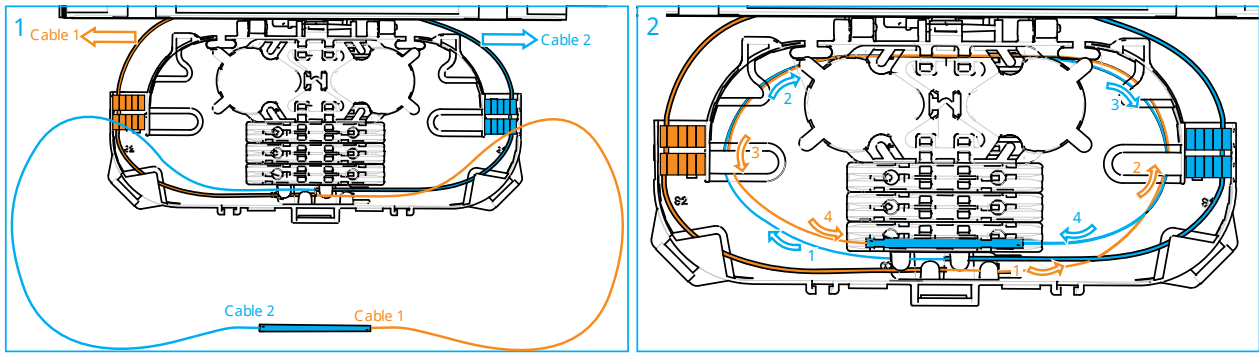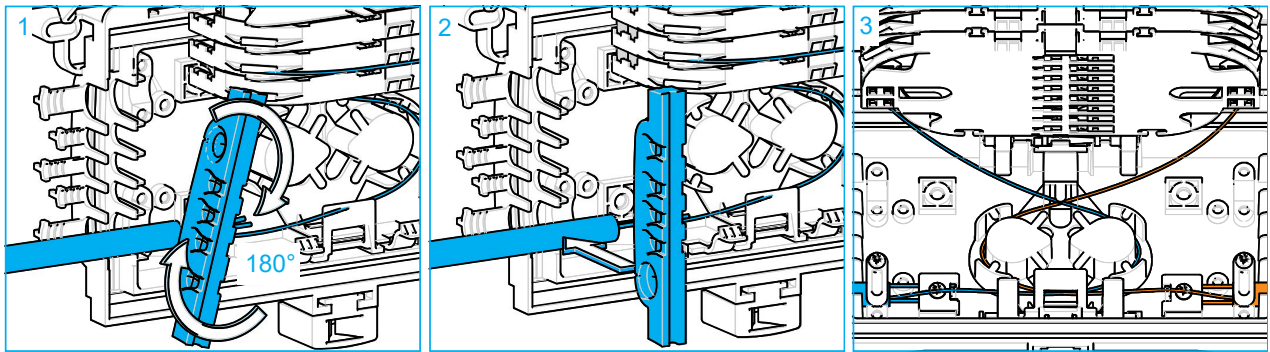
7 Reinstall tray cover

8 Reinstall closure cover

CLICK

9 Lock the closure

⚠️ *Attention:* Make sure that seals are in correct position before closing the cover!

10   Trade-marks

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This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services. CommScope is commit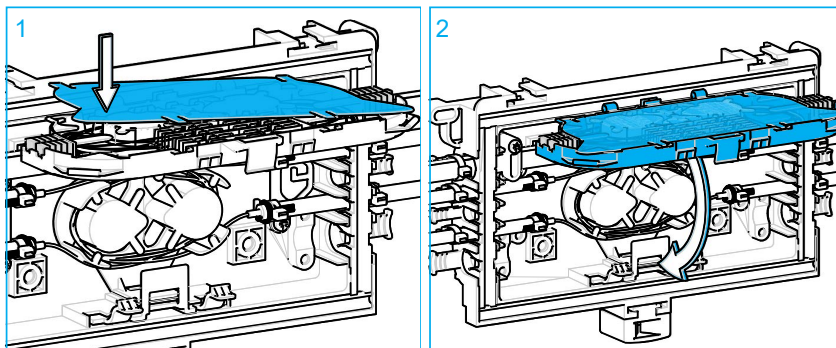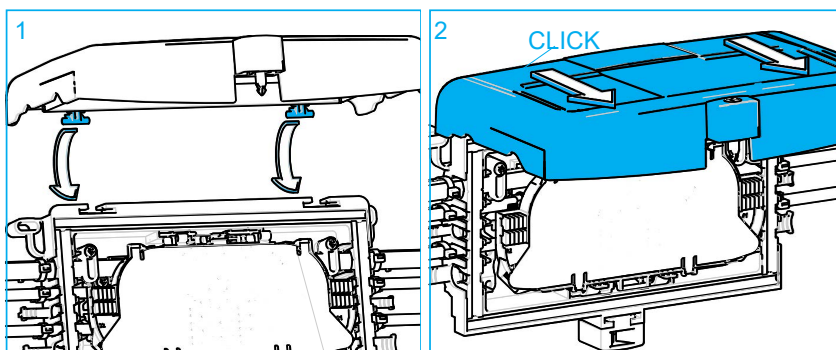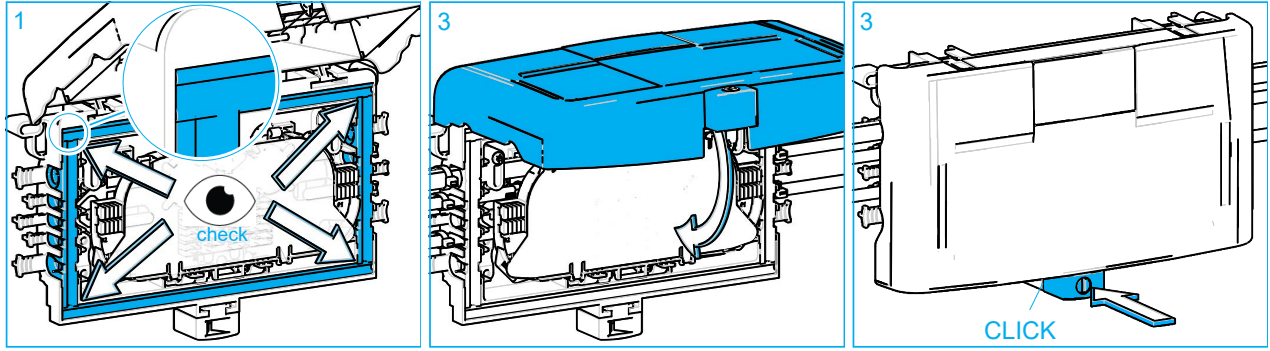ted to the highest standards of business integrity and environmental sustainability, with a number of CommScope's facilities across the globe certified in accordance with international standards, including ISO 9001, TL 9000, and ISO 14001.

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