COMMSCOPE®

Splice Closures In-Line

1   Introduction

The SCIL-A is the environmentally sealed enclosure for fiber management systems providing the functions of splicing and passive component integration in the external network.
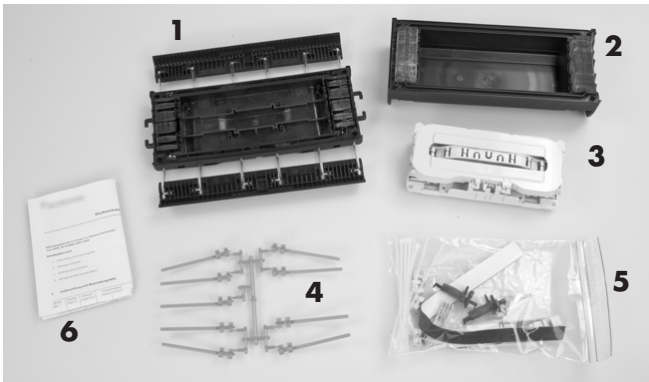Sealed with gel for longitudinal seal and wrap around gel block for cable sealing.

1.1   Dimensions (in mm)

	Length	Width	Height
OFMC	250	100	70

2.1   Capacity

250µ fiber splicing with SMOUV/ANT = 48
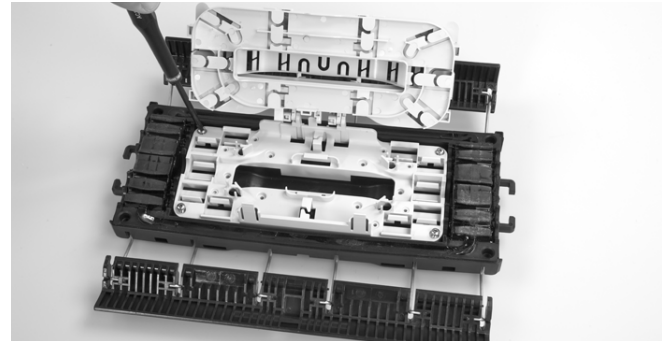
2   Kit content

1   Outer body
2   Cover
3   Organizer
4   Rods for sealing unused ports
5   Bag with accessories
     - Tape for installation on cable jacket (strain relief)
     - 2 gel inserts for small cable (-6mm)
     - Tie wraps
     - 4 screws
     - KTU
     - Splice holders SMOUV-45/ ANT
6   Installation Instruction

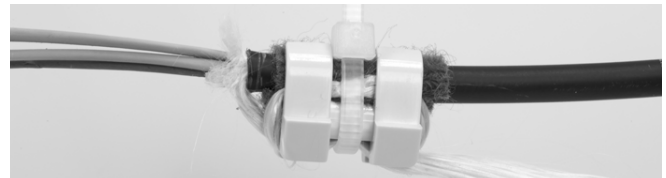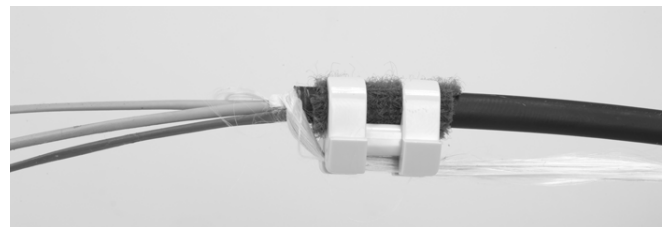## 3   Installation

3.1   Preparation of the closure

3.1.1   Install the organizer using the 4 screws.

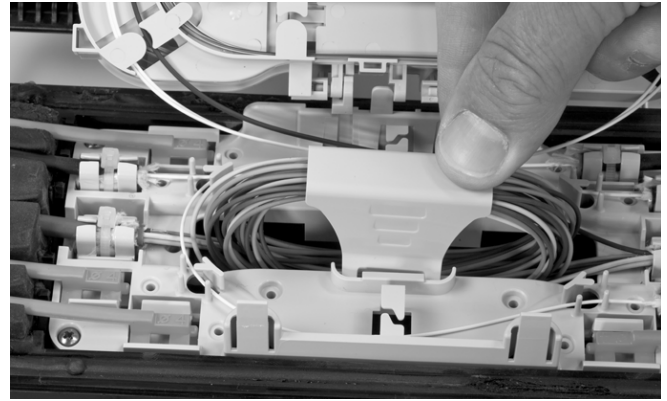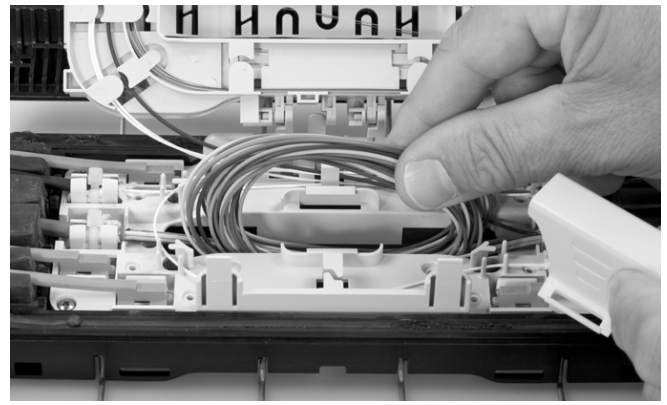### 3.2   Preparation of looped cable

3.2.1   In case of Microsheet cable
         Remove cable jacket for 1.7m in case of 96 fibers.
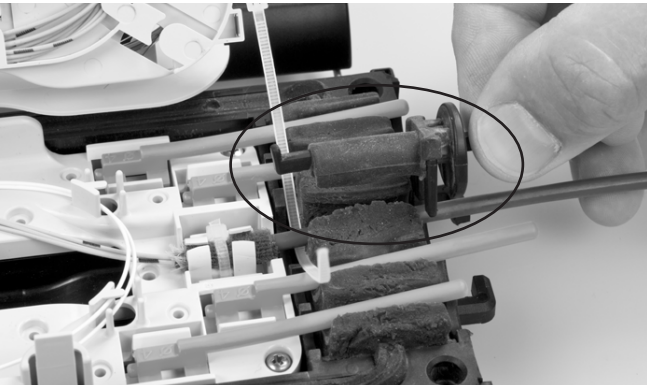   Remove cable jacket for 2.1m in case of 72 or less fibers.

3.2.2   Cable from 4 up to 6 mm
         Install one turn of tape around the cable jackets and mount the cable jacket in the KTU. Wrap one and half loop of aramid yarn around the KTU and fix it with a tie-wrap. In case of insuficcient aramid yarn, wrap 2 loops around the KTU.
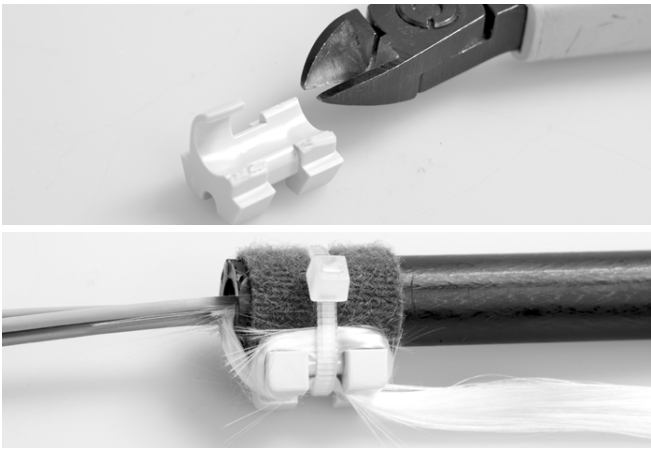
3.2.3 Cable +6 mm
Cut and remove the 4 lips of the KTU and repeat steps as
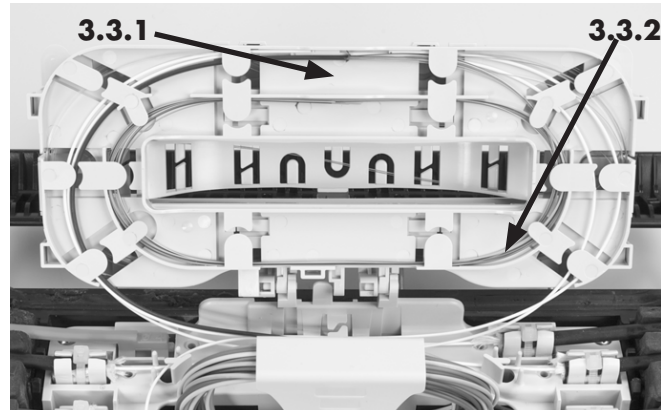described in 3.2.2.

3.2.4 Click the KTU into the organizer and install the gel insert(s). Fix
the insert(s) on the cable with 2 tie-wraps.

3.2.5 Store the looped fibers and secure using the small cover.

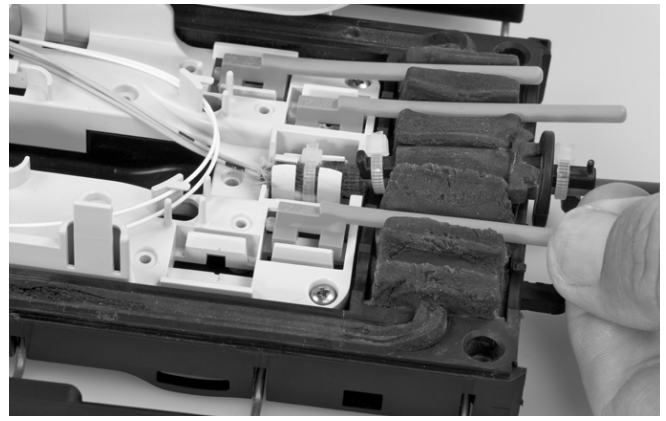### 3.3 Routing the microsheet fiber and 250µ fiber

3.3.1 Cut the fibers to be spliced and route them as shown. The
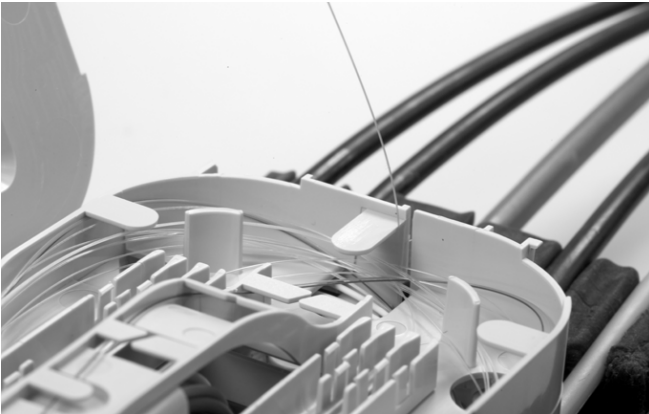transition "fibercoating-fiber" should be in the straight area.

3.3.2 Separate the non used fibers and the fibers to be spliced. The
non used fibers should be stored in the central part of the tray.

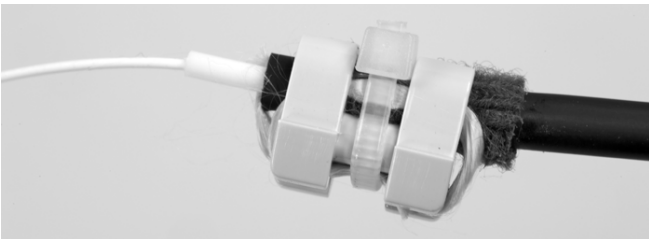3.3.3 Route the fibers to be spliced to the other side of the tray via the groove on the side of the tray.

3.3.4 Store the fibers on the tray.

3.4 Preparation of the customer cable

3.4.1 Follow the steps described in chapter 3.2.1 and 3.2.3.
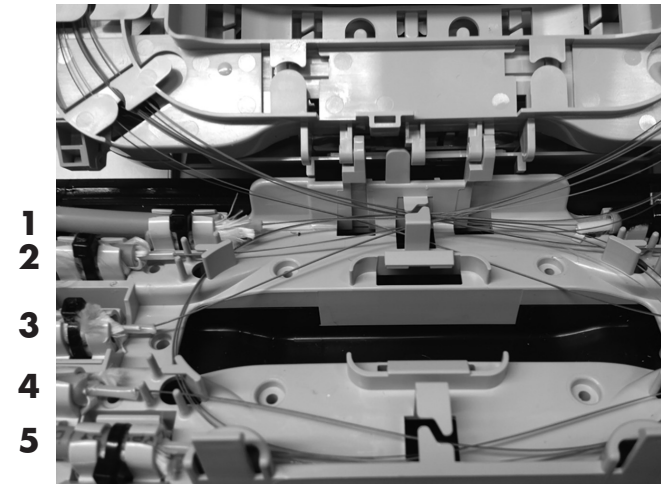

3.4.2 Mount the KTU on the organizer.

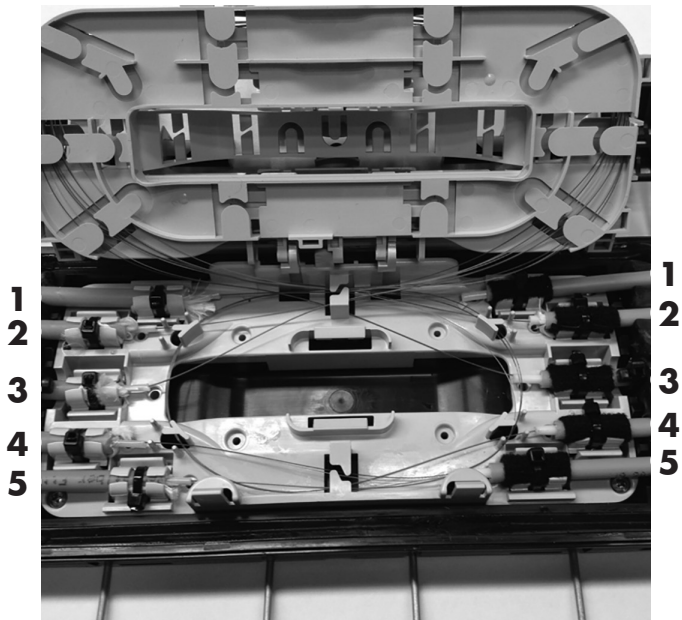3.4.3 Mount the yellow rods in the unused gel ports.

3.5 In case of DB cable

≤ 5mm
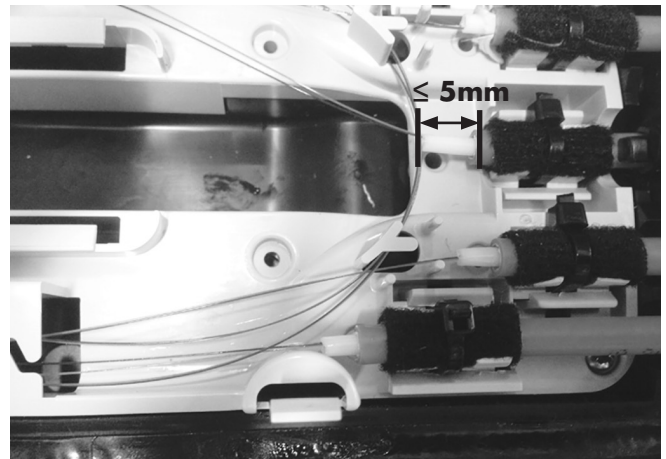
3.5.1 Strip tubes to ≤ 5mm as shown above before mounting the KTU on the organizer.

Fiber routing to the upper cassette
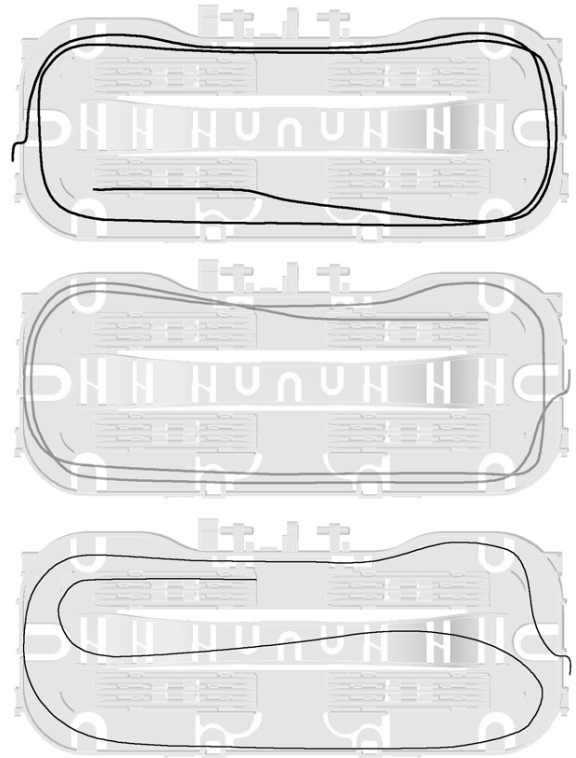

1
2

3

4

5

3.5.2 Route the fibers to the upper cassette: fibers 1-3 go up, fibers 4 and 5 go around through the lower lip.
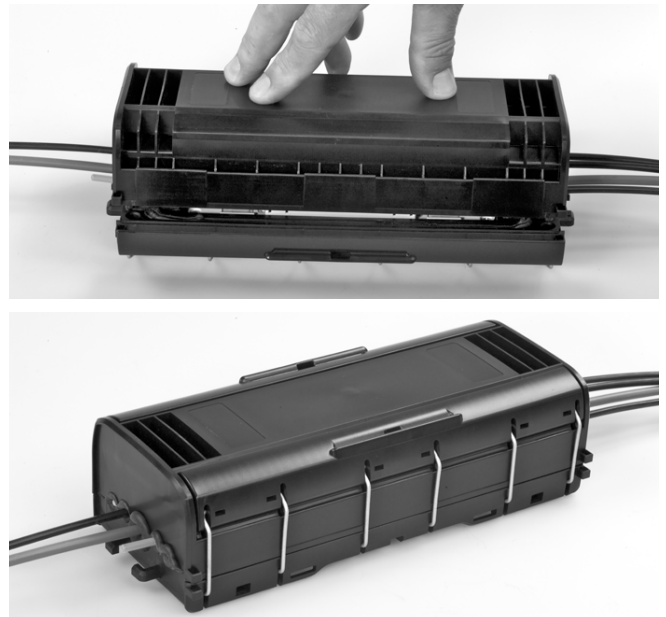
3.5.3   Finished installation

3.5.4   Separate the non used fibers and the fibers to be spliced. The non used fibers should be stored in the central part of the tray.

3.6   Routing-splicing fibers

3.6.1   Cut the stored fibers to length on the position of the spliceholder.

3.7   Closing the closure

3.7.1   Before closing it, verify the sealing area is free of dirt.