288C INLINE FIBER SPLICE CLOSURE

1. General Introduction

288C inline splice closure is designed to achieve reliable sealing without screws. The compact size and flip-over cover provides easy operation as well as complete function.

The splice trays are jointed with a hinge at one side, which makes the operation in each tray easier. It is designed to prevent from operation damage.

2. Specification

Dimension（mm）	395×245×130	Max. capacity(Single fiber)	288	
Weight（kg）	5	Sealing type	Mechanical	
Cable ports	1 input cable port for un-cut cable from diameter from10~17.5mm. 6 output cable ports for cable diameter from 8~17.5mm.	Single splice tray capacity(Single fiber)	24	
Splice tray quantity	1～12			

3.Structure

   3.1 Closure and Accessories (Picture 1)

3.2 Parts list

3.2.1 Main kits

S/N	Description	Quantity	Note
1	Cover	1	337(L)×242(W)×63(H)mm.
2	Base	1	
3	Sealing ring	1	Box sealing
4	Splice tray	12	For cable splicing and storage
5	Splice tray cover	1	
6	Splice tray bandage	1	Fixing several splice trays
7	Fastener bolt	2	Fixing lid and cover of closure
8	Buckle	4	Fixing lid and cover of closure
9	Tight tool	1	Special for tight the nuts
10	Cable fixing panel	1	Fixing un-cut cable
11	Adaptor installation panel	4	An adaptor panel for 6 SC simplex adaptors
12	Splice tray bracket	1	Install 4 splice trays
13	Top cover stopper	1	Limit top cover
14	Plastic nuts	2	Fixing cable

3.2.2 Standard parts

S/N	Description	Quantity	Note
17	Wall mounting kit	1	For wall mounting
18	Expansion anchor bolt	2	Parts of the wall mounting kit
19	Hexagon bolt	2	Parts of the wall mounting kit
20	Nylon tie （3*120mm）	12	Fixing cable

21	Fusion sleeve(Φ1.0*60mm)	According to the fiber cores.	Cable splicing
22	0.2m coil tube	1	Protect the fiber
23	Insulation tape	1	Accessorial fixation
24	0.5m EVA tube	1	Protect fiber
25	Drier	1	
26	M6 internal hexagonal wrench	1	Tool to open the box
27	14# grommet	2	For cable dia. From 12-17.5mm
28	41# grommet	2	For cable dia. From 8-12mm
29	Plastic plug	4	Seal the cable port
30	Iron spanner	1	Tool

3.2.3 Optional parts

S/N	Description	Quantity	Note
25	Pole mounting kit	1	For pole mounting
26	Valve	1	Testing sealing performance

4. Installation instruction

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┌─────────────────────┐              ┌──────────────────────────┐
│   Strip the cable    │              │  Splice and store fibers │
└─────────────────────┘              └──────────────────────────┘
           │                                      │
           ▼                                      ▼
┌─────────────────────┐              ┌──────────────────────────┐
│   Open the closure   │              │      Fixing cables       │
└─────────────────────┘              └──────────────────────────┘
           │                                      │
           ▼                                      ▼
┌─────────────────────┐              ┌──────────────────────────┐
│ Install the un-cut   │              │ Close and seal the closure│
│       cable          │              └──────────────────────────┘
└─────────────────────┘                           │
           │                                      ▼
           ▼                          ┌──────────────────────────┐
┌─────────────────────┐              │ Install the fiber closure │
│ Protect the un-cut   │              └──────────────────────────┘
│       cable          │
└─────────────────────┘
           │
           ▼
┌──────────────────────────────────────┐
│ Introduce the cut cable into the      │
│          splice tray                  │
└──────────────────────────────────────┘
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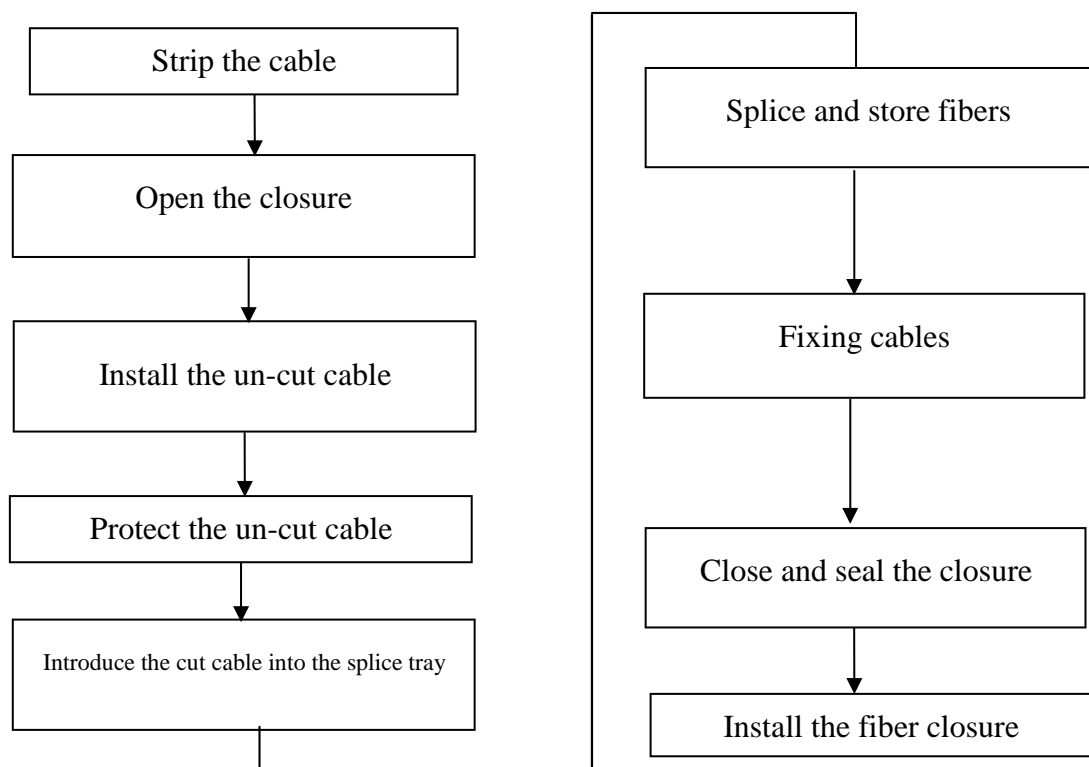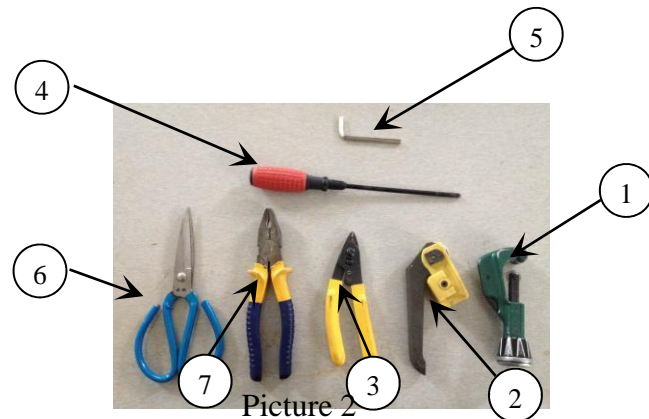
5. Working procedure

5.1 Check up

5.1.1 (1)Check the item number and accessories of fiber closure. (2)Check the fiber

specification. (3) Check the parts quantity. (4) Check the instrument. (5) Tools as below picture（Picture 2）.
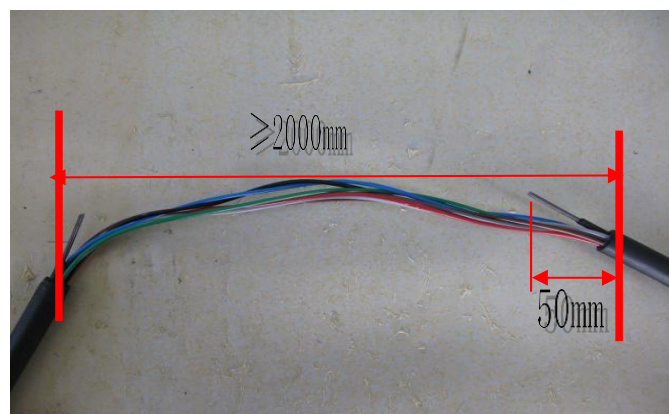

Picture 2

1. Transverse cutting knife for cable outer security layer.

2. The longitudinal open cable knife.

3. Steel core cut clamp.

4. Cross screwdriver.

5. M6 hexagonal socket wrench.

6. Scissors.

7. Cutting clamp

5.2 The procedure to strip the cable fiber

5.2.1 Mark the cut point on the cable according to the different length requirements.

5.2.2 Strip the cable outer sheath.

5.2.3 The requirement for stripping the un-cut cable. （1） The length should be no less than 2000mm；（2）Cut the steel strength member 50mm away from the cable cut point.（Picture 3-1）

Picture 3-1

5.2.4 The requirement for stripping the cut cable. （1） The length should be no less than 1000mm；（2）Cut the steel core at the length of 50mm from the cable cut point.（Picture 3-2）
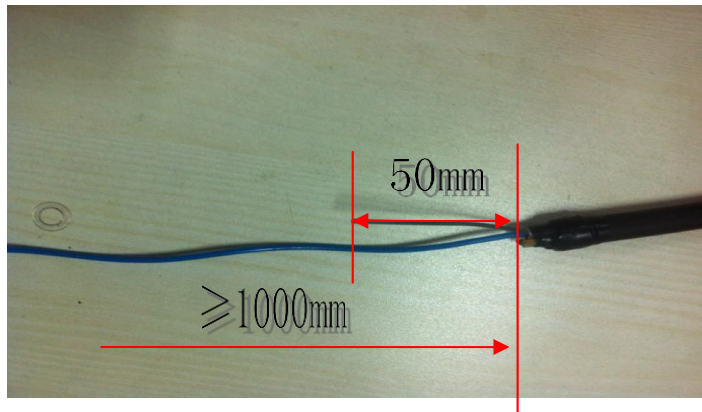
Picture 3-2

Note: ①Be sure not to damage fiber. ②Do not use any damaged cable.

5.3 Open the closure

5.3.1 Use the tool to pry buckles.（Picture 4）

5.3.2 Open the lid and take out the accessories.（Picture 5）

Picture4

Picture 5

5.3.3 In order to prevent the closure lid falling down when installation, take out the block from the splice tray installation bracket and put the block as below picture(Picture 5-1).

Block

Splice   tray installation bracket
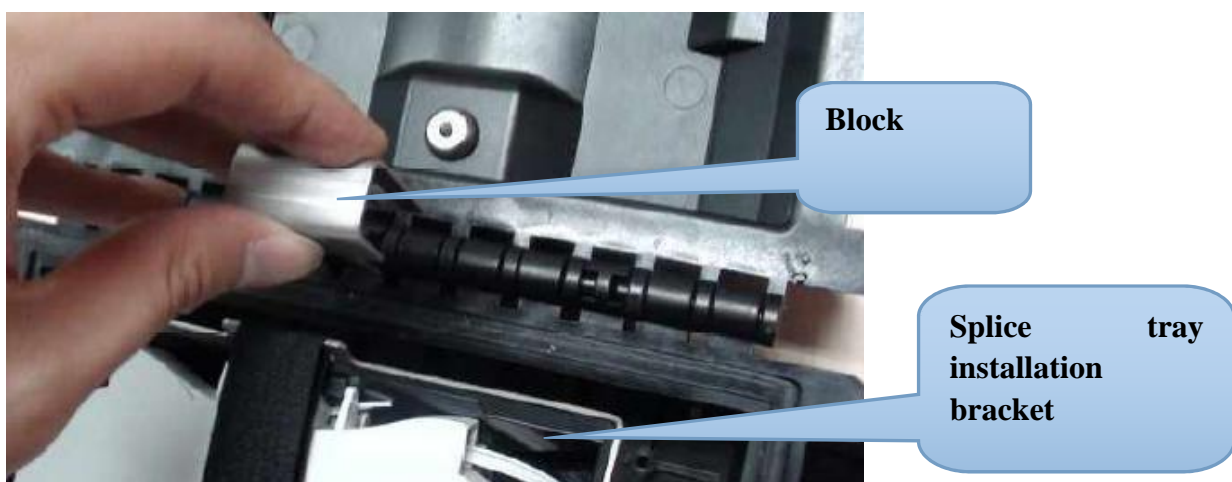
Picture 5-1

5.4 Un-cut cable and branch cable working procedure

5.4.1 Remove the plastic nuts and take out the cable sealing components as below pictures.(Picture 6/7)

Picture 6   Picture 7

5.4.2 Cut the grommet to pass through the un-cut cable.(As picture 8-1 and picture 8-2）
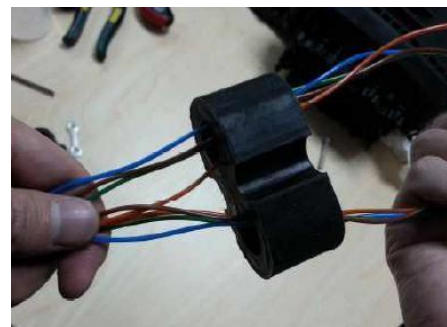
Picture 8-1   Picture 8-2

5.4.3 Split the other two components, according to the sequence to install the un-cut cable mounting components.（As picture 190）

5.4.4 After the cable passing through the ports into the box, tighten the hose clamps, fixing cable.（As picture 10）

Picture 9   Picture10

5.4.5 Fix back the the briquetting of the input port.（As picture 11）

Picture 11

5.4.6 Use EVA tube to protect the bare fibers and winding the stripped cable by insulation tape as below pictures. (Picture 12)

5.4.7 Cable get through in turn the plastic nut, washer, grommet, washer as below picture(picture 13), then install to the closure port.
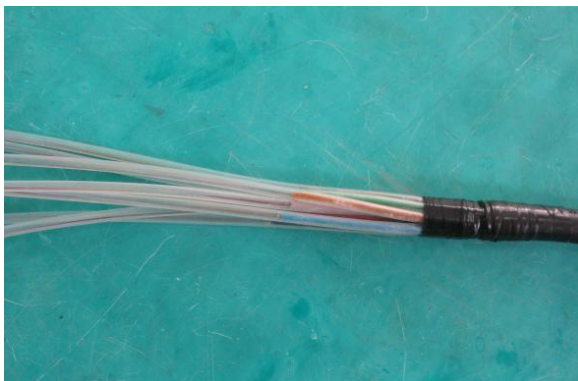
Picture 12

Picture 13

5.4.8 After the cable get through the closure, tight the hose clamp and fix the steel core of cable.

5.4.9 Then tight the plastic nut as picture 14.

5.4.9.1 If no cable get through the cable ports, use plastic plug to seal the grommet as picture 15.

Picture 14

Picture 15

5.5　Clear up the cable routing

5.5.1 Protect the bare fiber by coil tube and clear up the cable.（As picture 16）

Picture 16

5.6 Introduce the cut cable into the splice tray

5.6.1 Protect the bare fiber by coil tube and clear up the cable, then introduce into the splice tray.（As picture 17 and picture 18）

Picture 17
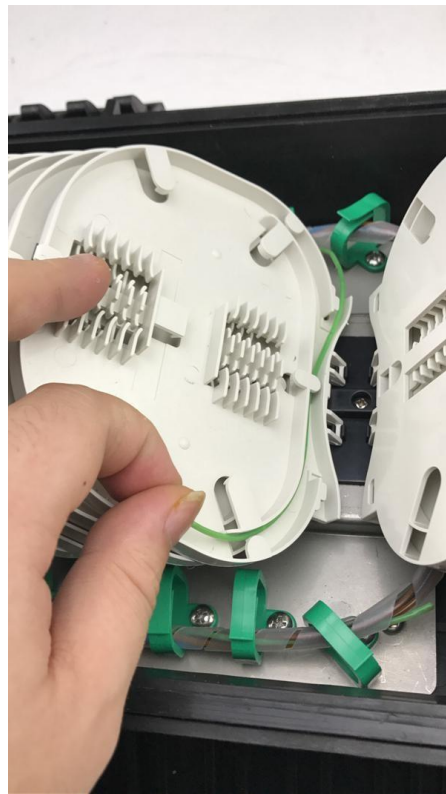
Picture 18

5.7 Fiber splicing process.
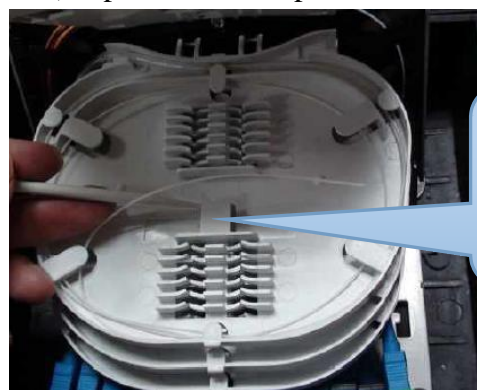
5.7.1 Introduce the fiber into the splice tray.

5.7.2 Splicing the fibers.

5.7.3 Put in the fusion sleeve into the splicing holder accordingly.

5.7.4 Use the tool to coil, storage the balance fibers.(As picture 19 and picture 20)

Picture 19

To install the PLC splitter

Picture 20

5.7.5 Cover the splice tray cover and put back the tool on the tray cover.
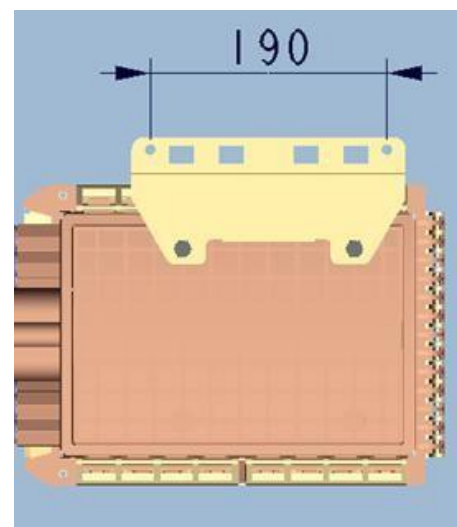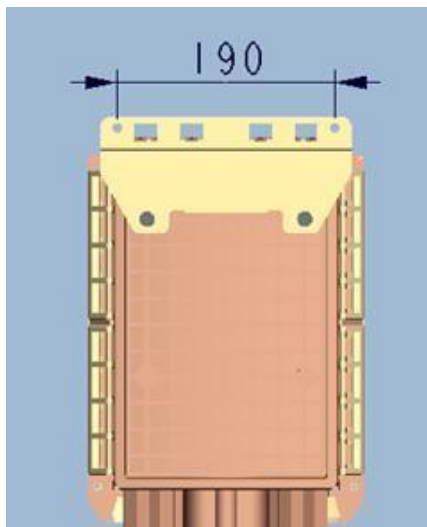
5.8 Close the fiber closure

5.8.1 Close the closure and close the four buckles, also tighten the bolts.(As picture 21).
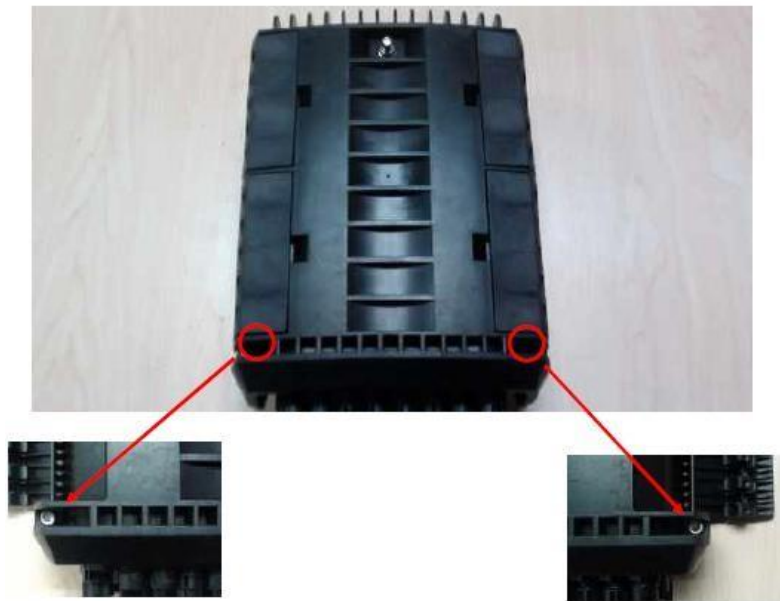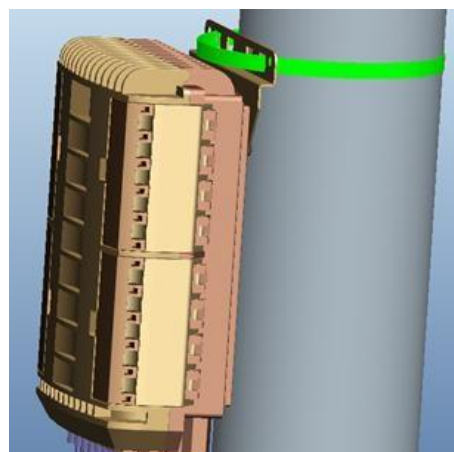
Picture 21

6. Installation

Wall mounting

Pole mounting

7. Main technical data.

7.1 Environmental temperature：-40℃～+65℃

7.2 Optical performance: No significant additional attenuation.

7.3 IP68

8. Packing, transportation and storage

8.1 This equipment packaging is moisture-proof and vibration-proof. The accessories are packed first plastic bags, then into the boxes with plastic bags for sealing. There are moisture-proof and direction signs outside the boxes.

8.2 It can't be inverted in the transport and be free from rolling when carrying. Please load carefully and prevent the collision. You should prevent it from heavy rain before installation. The temperature in the transport should be controlled between-35℃ to +55℃

8.3 The excessive accumulation of goods should be stored on the cartons. The treasury should away from the erosion of corrosive gas equipment and the temperature should be below 45℃ and higher than -5℃, and relative temperature should not be high in long-term. (generally less than 75%).