Outdoor box & Dome closure 96 fusions Model FATC-001 (1 oval port. 2 X Round 16 X drop cable) IP 68

Datasheet & Installation Manual

Contents

This information provides a general description of product and shall not form part of any contract. Improvement or changes may be made to the product without advanced notification.

1 Overview

The Dome closure 96 fusions Model FATC-001 (1 oval port. 2 X Round 16 X drop cable) IP 68an optical distribution splice closure for Fiber To The Home applications with a capacity of 16 users, designed to seal without screws. The compact size and flip-over cover bring 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.

Advantage:

- ✓ Respect of radii of curvature
- ✓ IP68
- ✓ Easy installation and close with tools
- ✓ Cables can have varied according to different configuration
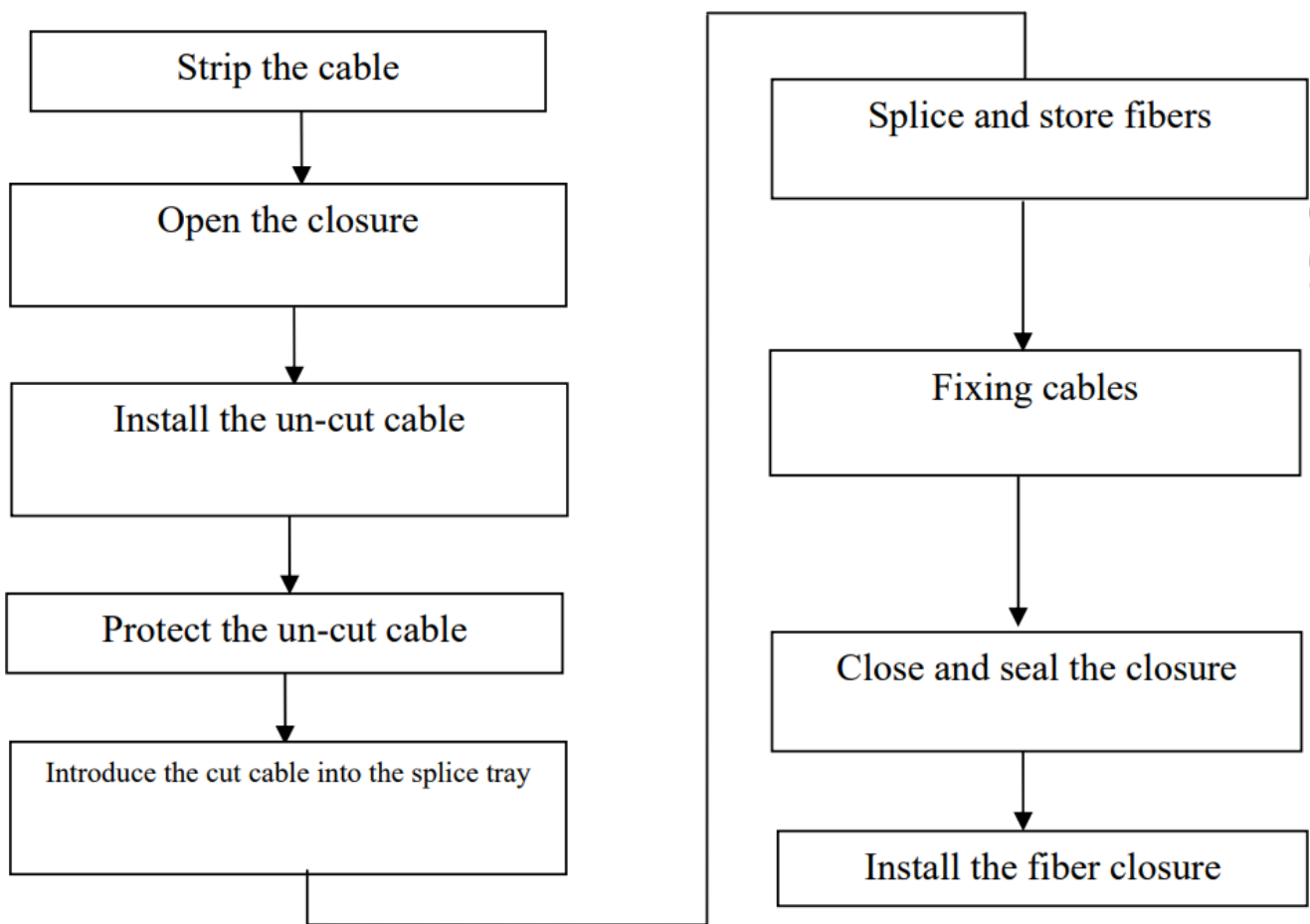
2   Structure (Photos)

Picture 1	Picture 2

Picture 3	Picture 4

Picture 5

3   Performance

Measure(L*W*H)	380mmø*245mmø*130mmø
Suitable adapter	SC
Sealing Structure	IP68
Environmental temperature	40℃～ ℃
Cable ports	1 input cable port for un-cut cable from diameter from 10~17.5mmø. 2 outputs cable ports for cable diameter from 8~17.5mmø. 16 output cable ports for cable diameter less than 4mmø.
Sealing type	Mechanical
Max capacity (Single fiber)	96
Single splice tray capacity (Single fiber)	12 or 24
Splice tray quantity	4
Material	Modified polymer Plastic
Weight	4.5~5
Color	Black

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4   Installation road map

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

5.1 Check up

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
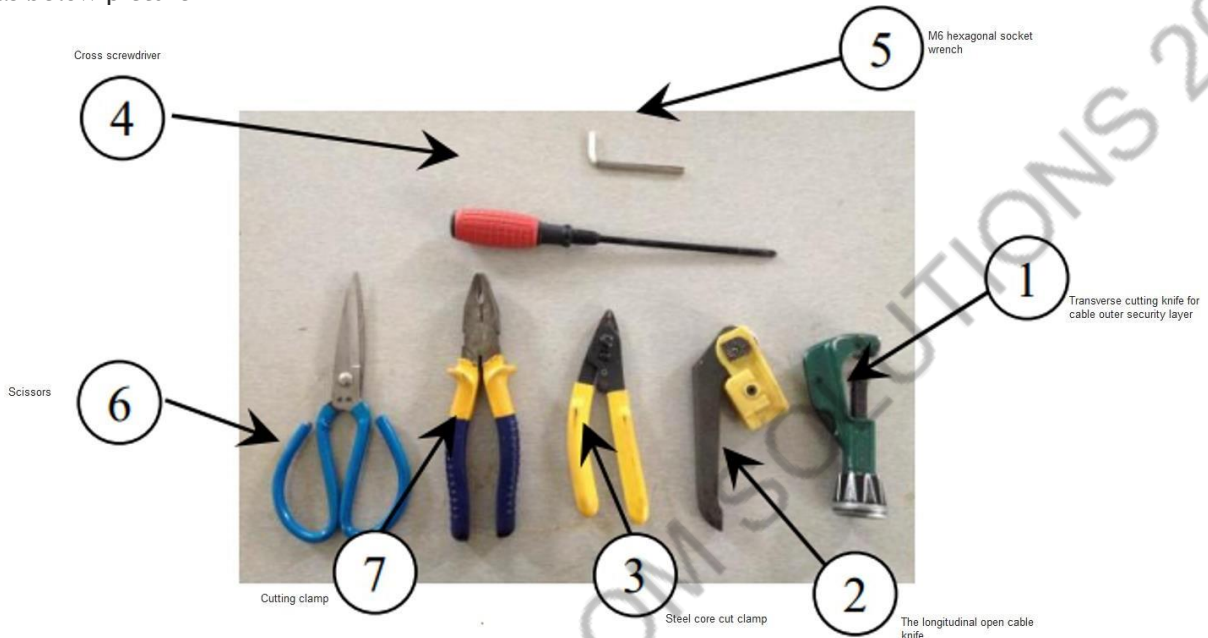
5.2 The procedure to strip the cable fiber

1. Mark the cut point on the cable according to the different length requirements
2. Strip the cable outer layer
3. The requirement for stripping the un-cut cable

    ✓ The length should be no less than 2000mmø

    ✓ Cut the steel core at the length of 50mmø of the cable cut point

4. The requirement for stripping the cut cable

    ✓ The length should be no less than 1000mmø

    ✓ Cut the steel core at the length of 50mmø of the cable cut point
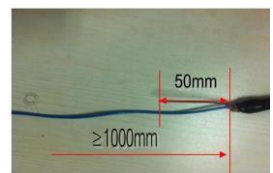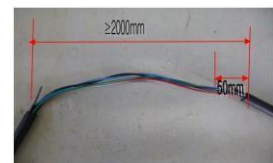
5.3 Open the closure

1. Use the tool to pry buckles.

2. Open the lid, take out the accessories.

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 picture

4. Un-cut cable and branch cable working procedure
   ✓ Remove the plastic nuts and take out the cable sealing components as below pictures

   ✓ Cut the grommet to pass through the un-cut cable.

   ✓ Split the other two components, according to the sequence to install the un-cut cable mounting components

   ✓ After the cable passing through the ports into the box, tighten the hose clamps, fixing cable.

✓ Fix back the briquetting of the input port

✓ Use EVA tube to protect the bare fibers and winding the stripped cable by insulation tape as below pictures

✓ After the cable get through the closure, tight the hose clamp and fix the steel core of cable.
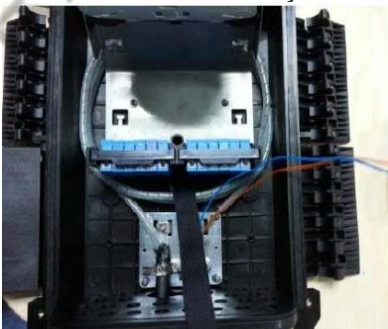✓ Then tight the plastic nut as picture

✓ If no cable gets through the cable ports, use plastic plug to seal the grommet as picture.
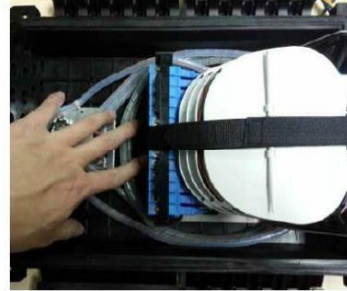

5. Clear up the cable routing
   ✓ Protect the bare fiber by coil tube and clear up the cable

6. Introduce the cut cable into the splice tray
   - ✓ Protect the bare fiber by coil tube and clear up the cable, then introduce into the splice tray

7. Fiber splicing process
   - ✓ Introduce the fiber into the splice tray
   - ✓ Splicing the fibers
   - ✓ Put in the fusion sleeve into the splicing holder accordingly
   - ✓ Use the tool to coil, storage the balance fibers. (As picture)
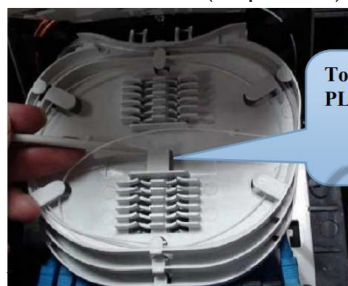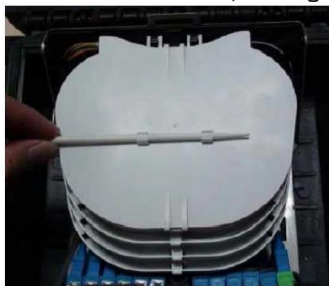
To install the PLC splitter

   - ✓ Cover the splice tray cover and put back the tool on the tray cover.

8. Soft cable port working procedure
   - ✓ First insert the white parts of soft cable into the plastic nut, then move the plastic nuts to the black parts of the soft cable, then assemble the sealing components to the soft cable as below pictures and put in the pigtail to the closure ports and connect to the SC adaptors. (Daub the grease on the sealing grommet if feels hard to insert the cable)

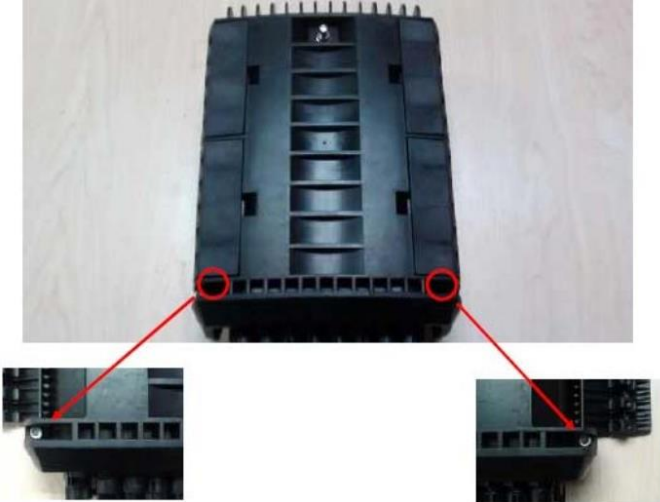   **Note: The plastic nut only for cable diameter less than 4mm to insert.**

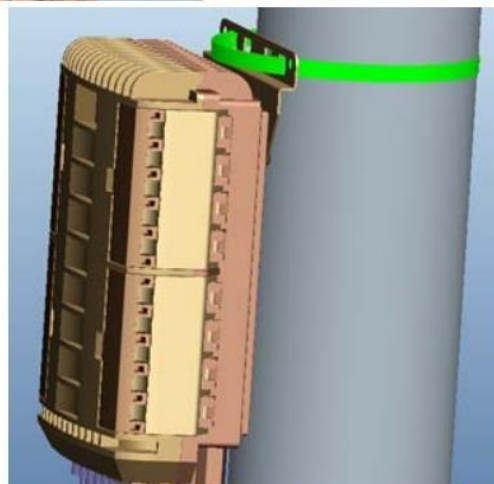   - ✓ Tighten back into the closure ports

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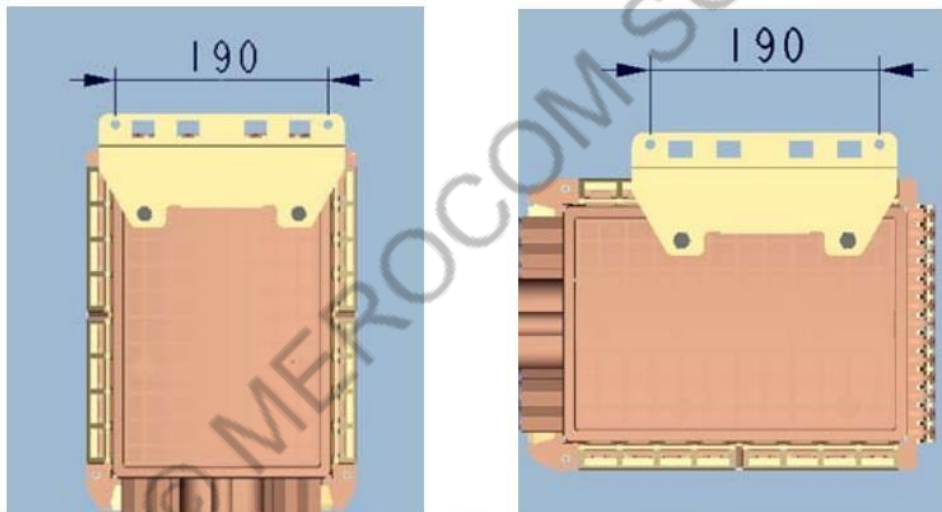
9. Close the fiber closure
- ✓ Close the closure and close the four buckles, also tighten the bolts.

5.4 Installation

Pole mounting

6 Parts list

S/N	Description	Quantity	Notes
1	Lid	1	337mmø*242mmø*63mmø
2	Base	1	3MM
3	Sealing ring	1	Box sealing
4	8202 sealing parts	24	Sealing cable ports
5	Splice tray	4	For cable splicing and storage
6	Splice tray cover	1	
7	Splice tray bandage	1	Fixing several splice trays
8	Fastener bolt	2	Fixing lid and cover of box
9	Buckle	4	Fixing lid and cover of closure
10	Tight nuts	24	Sealing soft cable ports
11	Tight tool	1	Special for tight the nuts
12	Cable fixing panel	1	Fixing un-cut cable
13	Adaptor installation panel	4	An adaptor panel for 6 SC simplex adaptors
14	Splice tray bracket	1	Install 4 splice trays
15	Top cover stopper	1	Limit top cover
16	Plastic nuts	2	Fixing cable
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*120mmø）	12	Fixing cable
21	M6 internal hexagonal wrench	1	Tool to open the box
22	Pole mounting kit	1	For pole mounting
23	Valve	1	Testing sealing performance

7   Packing, transportation and storage

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

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