INSTALLATION MANUAL

FIBER ACCESS TERMINAL CLOSURE

AR-DB16F

1. General Introduction

This box is used as a termination point for the feeder cable to connect with the drop cable in FTTx communication network system.
It integrates fiber splicing, splitting, distribution, storage and cable connection in one unit.
Meanwhile, it provides solid protection and management for the FTTx network building.

2. Specification

Dimension (mm)	287×172×102	Max.capacity (Single fiber)	16
Weight (kg)	4.5~5	Sealing type	Mechanical
Cable ports	1 input cable port forun-cut cable from diameter from10~17.5mm. 16 output cable ports for cable diameter 2.0*3.0	Single splice tray capacity (Single fiber) + Adapt ors Module	1
Splice tray quantity	1	Adapter capacity	16+4

3. Structure

3.1 Closure and accessories (Picture1)

PICTURE 1

3.2 Standard parts

S/N	Description	Quantity	Note
1	Wall mounting kit	1	For wall mounting
2	Expansion anchor bolt	4	Parts of the wall mounting kit
3	KEY	1	
4	Nylon tie	10	Fixing cable
5	Fusion sleeve	According to the fiber cores	Cable splicing
6	0.3 m coil tube	1	Protect the fiber

3.3 Optional parts

S/N	Description	Quantity	Note
25	Pole mounting kit	1	For pole mounting

4. Installation flow chart

1. Strip the cable

2. Open the closure

3. Install the un-cut cable

4. Protect the un-cut cable

5. Introduce the cut cable into the splice tray

6. Splice and store fibers

7. Fixing cables

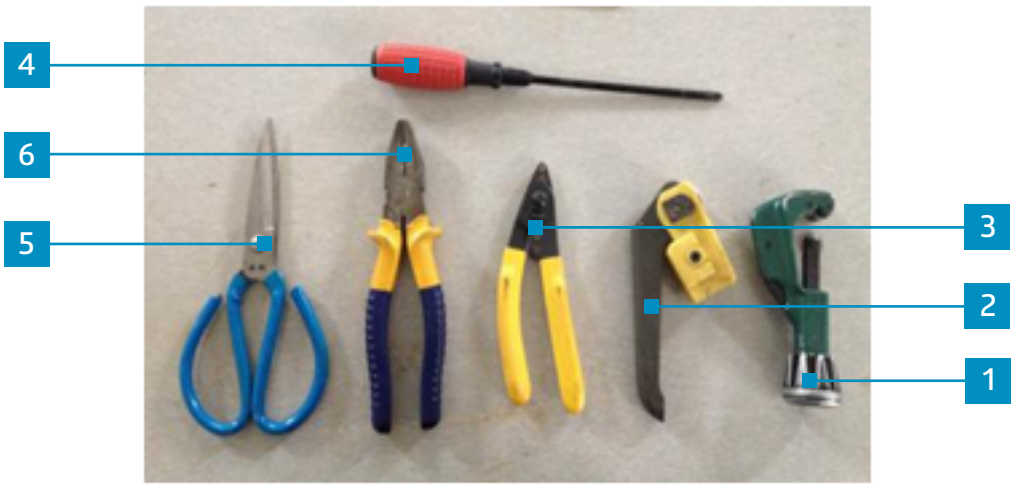
8. Close and seal the closure

9. Install the fiber closure

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. (Picture2) .

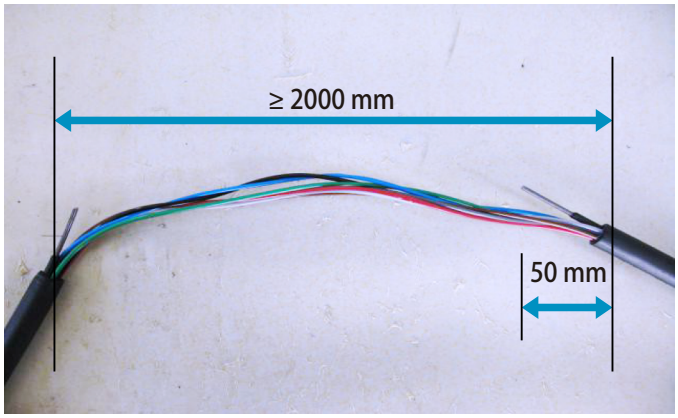


PICTURE 2

1. Transverse cutting knife for cable outer security layer.
2. The longitudinal open cable knife.
3. Steel core cut clamp.
4. Cross screwdriver.
5. Scissors.
6. Cutting clamp.

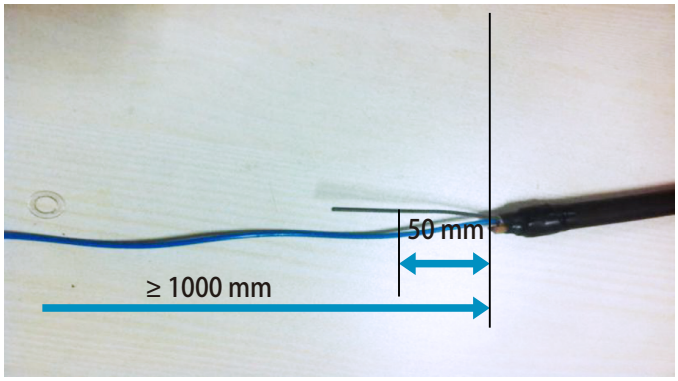
5.2 The procedure to strip the cable fiber

5.2.1 Mark the cut point on the cable according to the different length requirements.
5.2.2 Strip the cable outer layer.
5.2.3 The requirement for stripping the un-cut cable. (1) The length should be no less than 2000mm；(2) Cut the steel core at the length of 50mm of the cable cutpoint. (Picture3-1).



PICTURE 3-1

Note: Besure not tod a mage fiber. Don't use any damaged cable.



PICTURE 3-2

5.3 Open the closure

5.3.1 Use the tool to pry buckles. (Picture4)
5.3.2 Open the lid, take out the accessories. (Picture5)

PICTURE 4

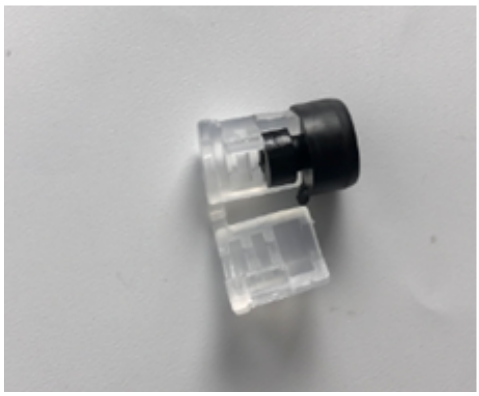
PICTURE 5

5.4 Un-cut cable and branch cable working procedure

5.4.1. Remove the plastic nut sand take out the cable sealing components as below pictures. (Picture6/7/8).

PICTURE 6

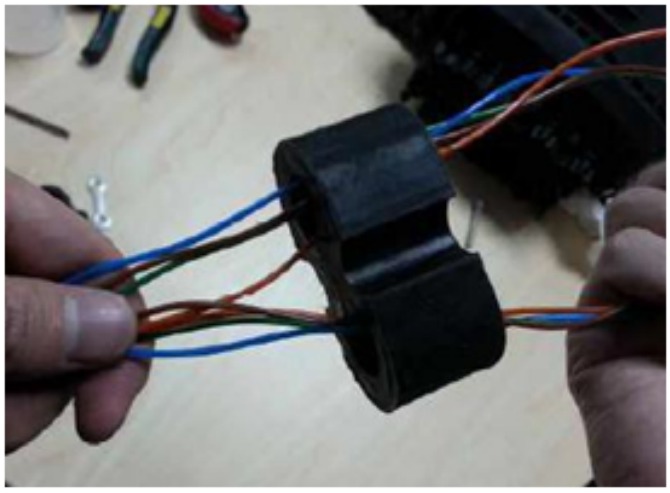
PICTURE 7



PICTURE 8

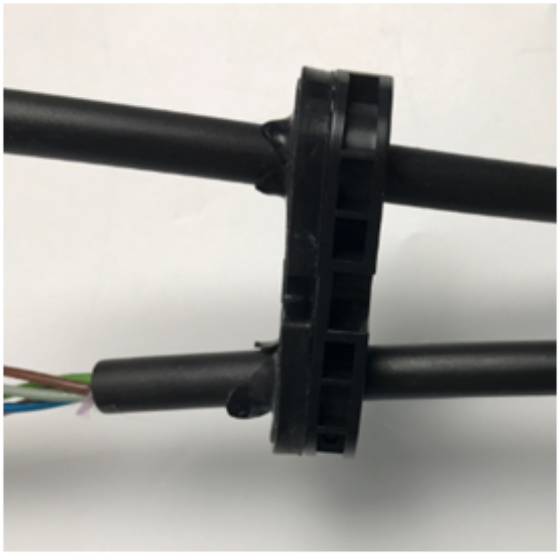
5.4.2. Cut the grommet to pass through the un-cut cable. (As picture 9 -1 and picture 9 - 2) .

PICTURE 9-1

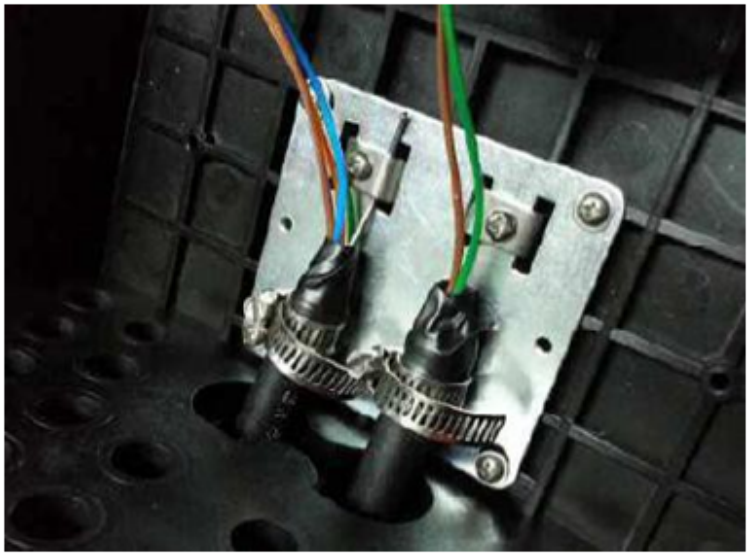


PICTURE 9-2

5.4.3. Split the other two components, according to the sequence to install the un-cut cable mounting components. (As picture10) .
5.4.4. After the cable passing through the ports into the box, tighten the hose clamps, fixing cable. (As picture11) .

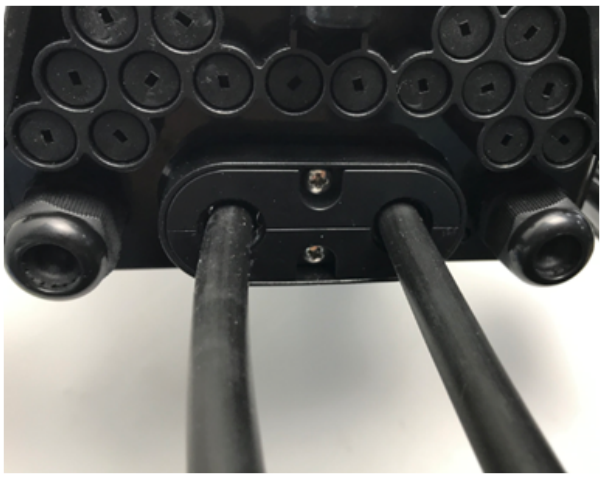


PICTURE 10



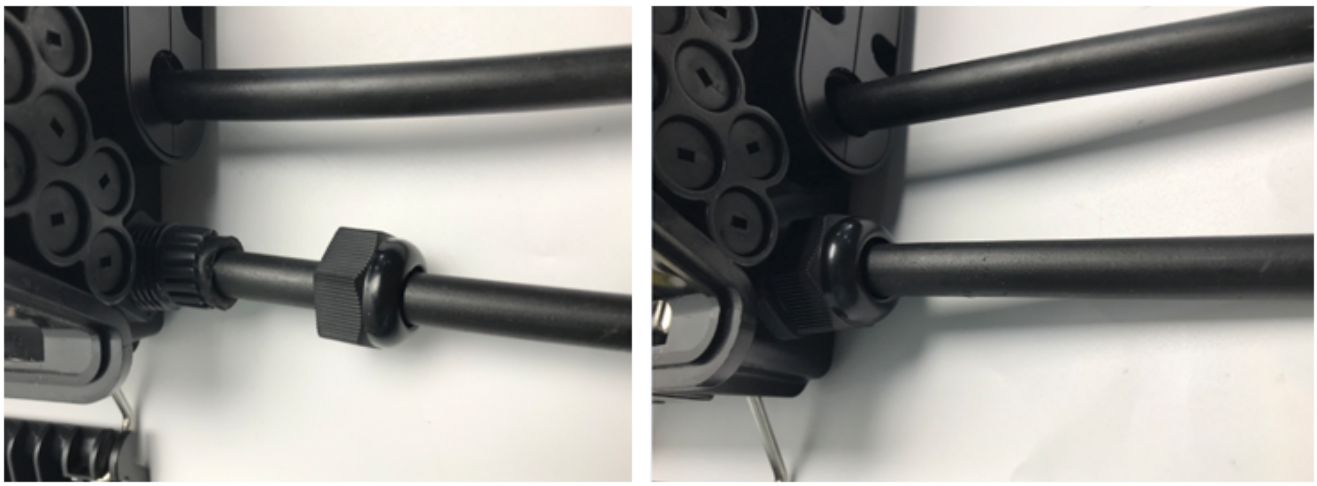
PICTURE 11

5.4.5. Fix back the briquetting of the input port. (As picture12)



PICTURE 12

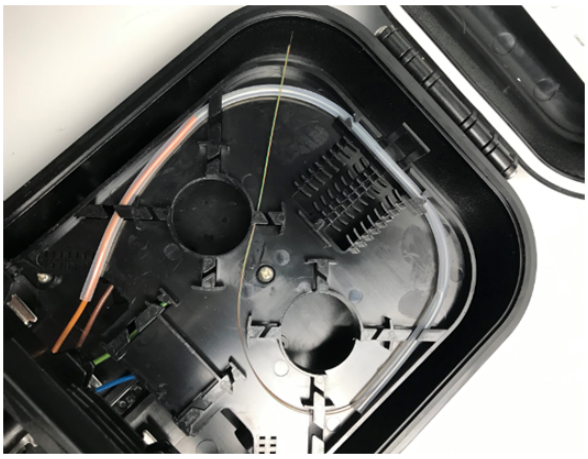
5.4.6. Cable gets through in turn the plastic nut, washer, grommet, wash eras below picture (picture13), then install to the closure port.



PICTURE 13

5.5 Clear up the cable routing

5.5.1 Protect the bare fiber by coil tube and clear up the cable. (As picture14) .



PICTURE 14

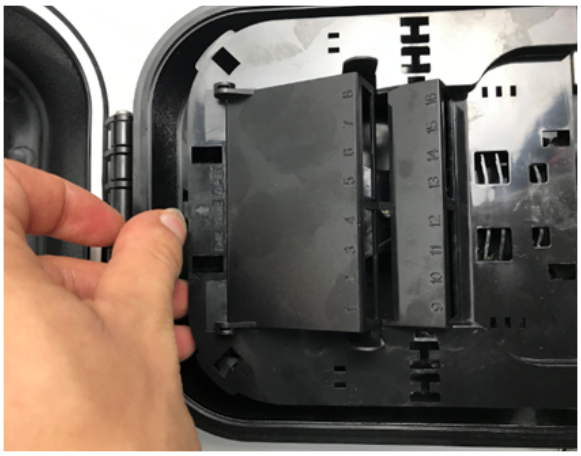
5.6 Introduce the cut cable into the splice tray

5.6.1 Protect the bare fiber by coil tube and clear up the cable, then introduce into the splice tray. (As picture 15) .

PICTURE 15

5.7 Fiber splicing process

5.7.1 Open splice tray. (picture16) .
5.7.2 Install the adaptor on the adaptor holder.
5.7.3 Winding and splice the pigtail.
5.7.4 Install and wind the PLC splitter.(As picture17) .



PICTURE 16

5.7.5 Cover the splice tray cover and put back the tool on the tray cover.

5.8 Soft cable port working procedure

5.8.1 For pre-terminated cable, first, insert the drop cable to pass through the box into the cable hole, inserting rubber plug and transparent fixture. Then pull out the appropriate length of cable, to remain suitable to add a fast connector. Closing the transparent fixture. And finally, plugging the rubber plug and the fixture together into the box into the cable hole.

PICTURE 17

5.9 Close the fiberclosure

5.9.1 Close the closure and close the Two buckles, also tighten the bolts.