# ARTIC

# DISTRIBUTION BOX 8 PORT HARD CONNECT

## AR-DB8F-I

### DESCRIPTION

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

## FEATURES

**1**  Total enclosed structure.
**2**  Material: PP, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65.
**3**  Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc.
All in one.
**4**  Cable, pigtails, and patch cords are running through their own paths without disturbing
each other, micro type PLC splitter installation, easy maintenance.
**5**  Distribution panel can be flipped up, feeder cable can be placed by expression port, easy for
maintenance and installation.
**6**  Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor
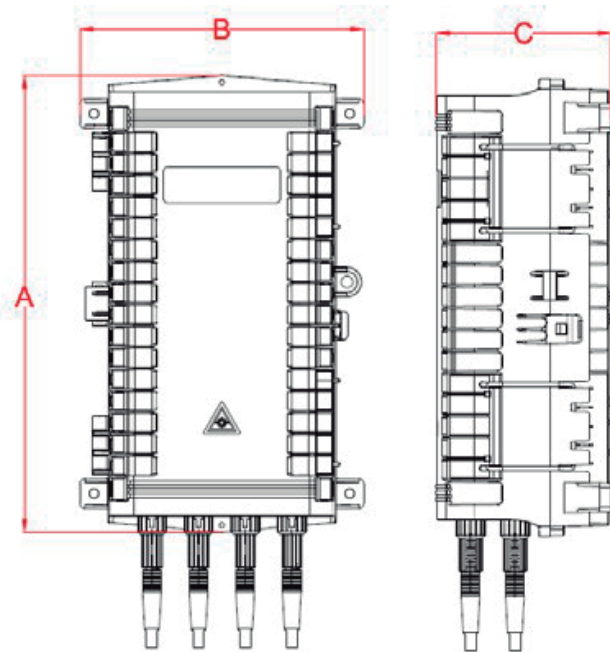and outdoor use.

## SPECIFICATION

**1**  Environmental requirement.
Working temperature: -40 ℃～+85 ℃ Relative humidity: ≤85% (+30 ℃) Atmospheric pressure:
70KPa~106Kpa.
**2**  Main technical datasheet Insertion loss: ≤0.15dB UPC return loss: ≥50dB APC return loss: ≥
60dB.
**3**  Thunder-proof technical datasheet.
The insulation resistance between the grounding device and the metal parts of the box is no
less than 2 ×104 MΩ/500V (DC); IR≥2×104 MΩ/500V.
The voltage resistance between the grounding device, and the box and its metal parts is
no less than 3000V (DC)/min, no puncture, no flashover; U≥3000V.

## CONFIGURATION TABLE
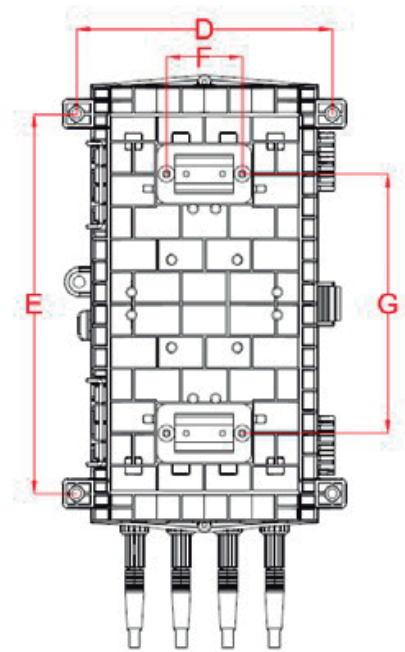
Table 1 Model and configuration

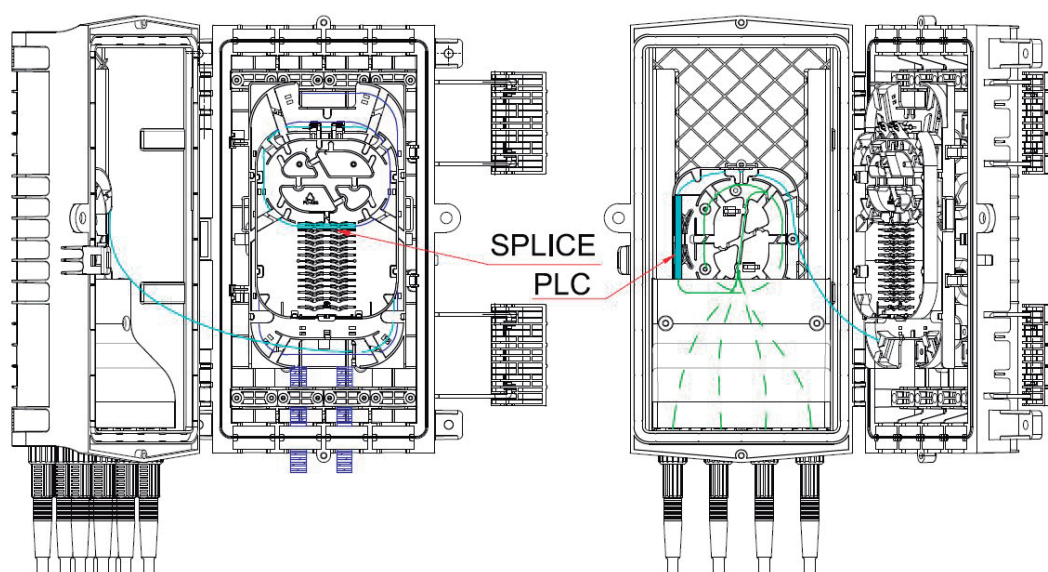| Model | Description | Size (Pic 1) A*B*C | Max Capacity | Installation Size (Pic 2) | | Into the largest cable diameter (mm) | Cable outlet size(mm) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | D*E | F*G | | |
| AR-DB8F-I | Splitter Box | 313*195*120 | 8 SC/APC | 175.5*260.2 | 52*177.6 | 5~16 | / |
| AR-DB8F-I | Splitter Box | 313*195*120 | 16 SC/APC | 175.5*260.2 | 52*177.6 | 5~16 | 2*3 |
| AR-DB8F-I | Splice Enclosure | 313*195*97.8 | 72 | 175.5*260.2 | 52*177.6 | 5~16 | 5~16 |

PIC 1 BOX SIZE

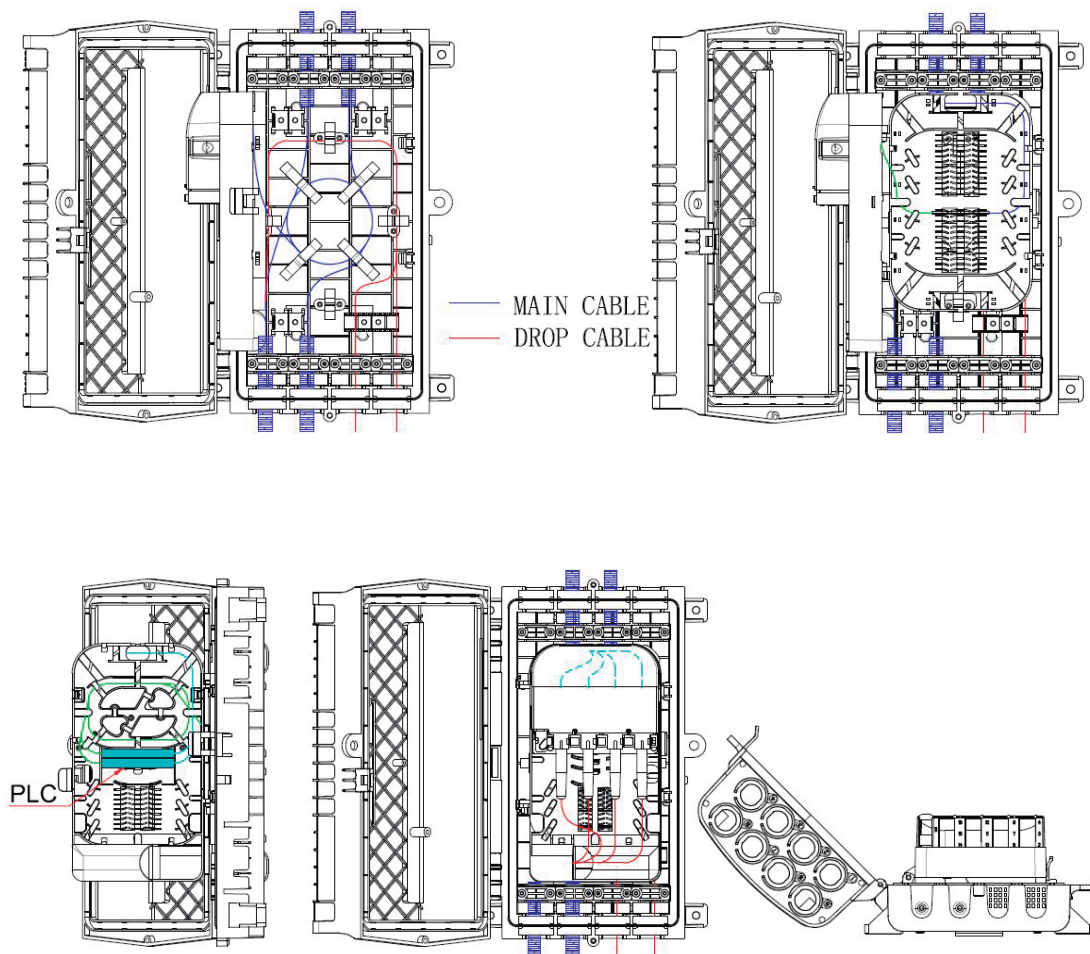PIC 2 INSTALLATION SIZE

## PRODUCT CABLE WAYS



SPLICE

PLC

MAIN CABLE

**PIC.3 AR-DB8F-I CABLE WAYS**



MAIN CABLE
PIGTAIL
DROP CABLE



**LOADING METHOD 1**

MAIN CABLE
DROP CABLE

PLC
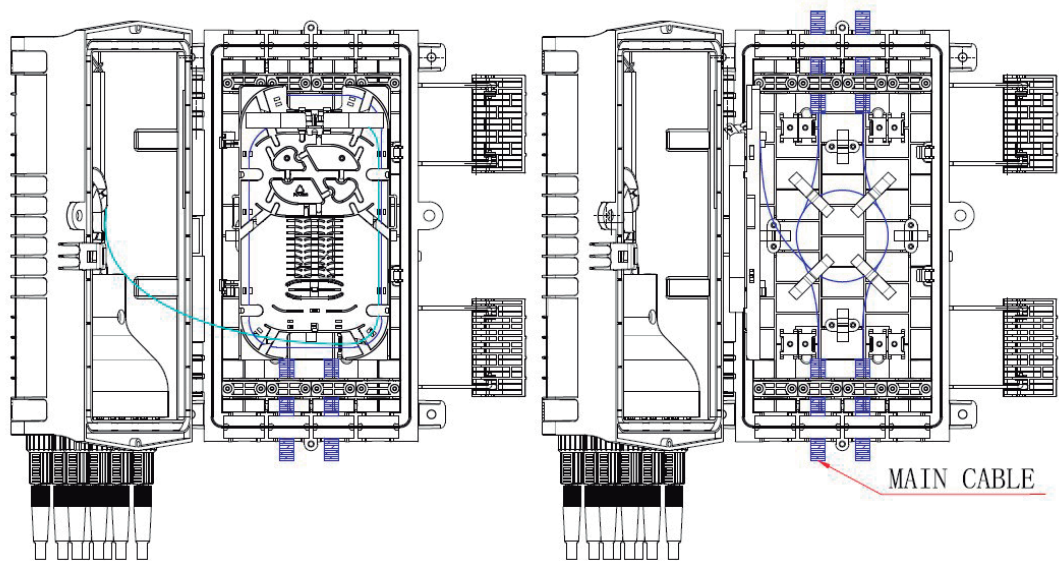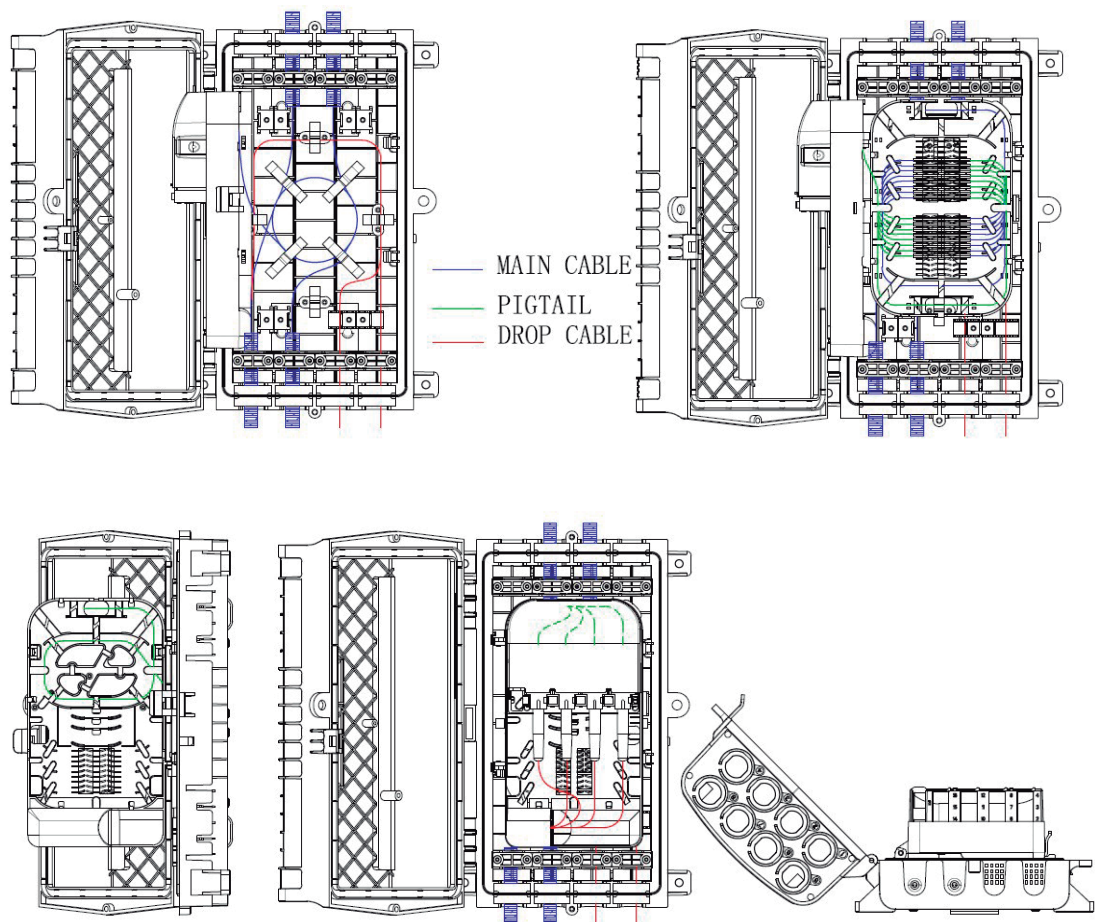
LOADING METHOD 2 PIC.4  AR-DB8F-I  CABLE WAYS
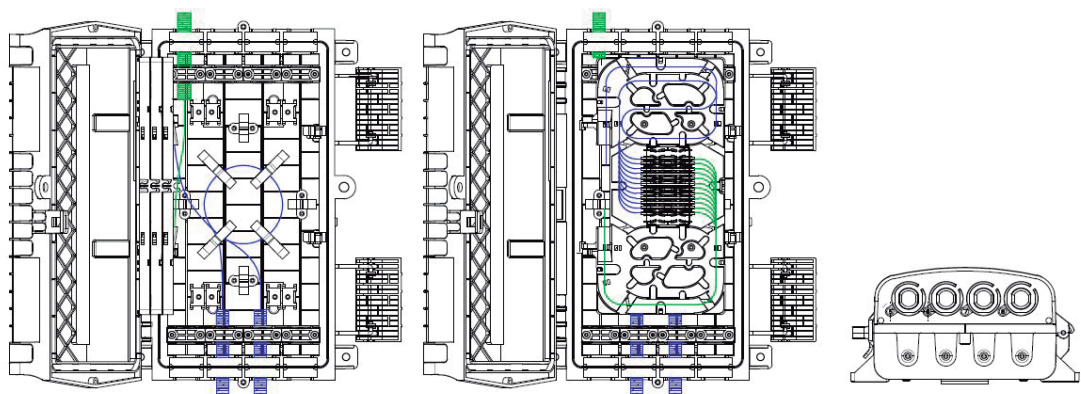
PIC.5  AR-DB8F-I  CABLE WAYS

## INSTALLATION

**1** Wall-mounted installation.
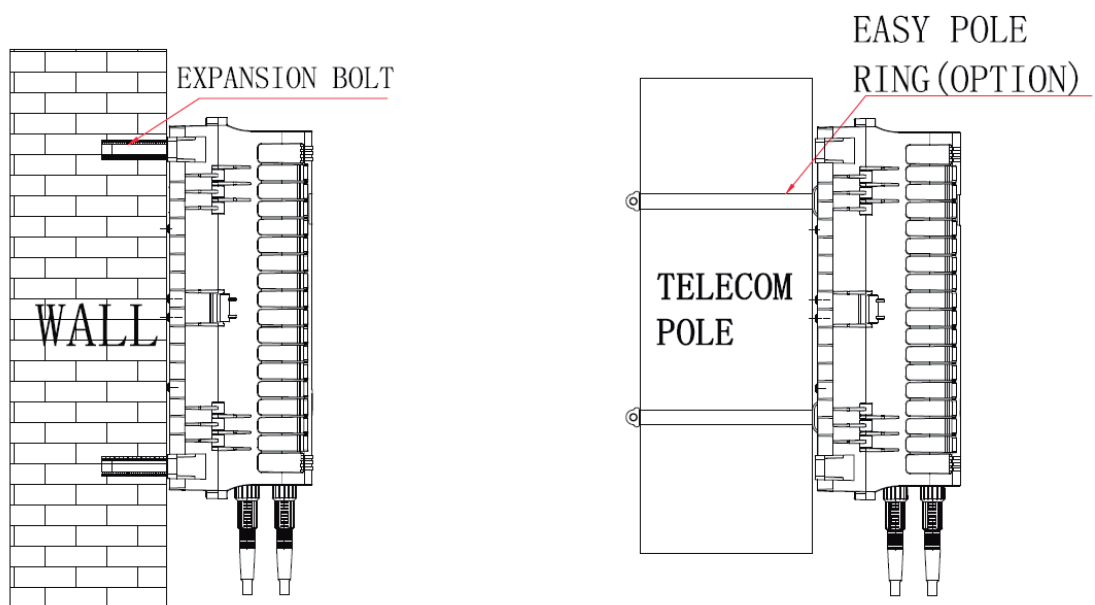Drill 4 holes into the wall based on the size in table 1, place the expansion bolt Φ7.5*40, place the box to match up the holes and use bolt to fasten. (Pic 6).
**2** Pole-mounted installation.
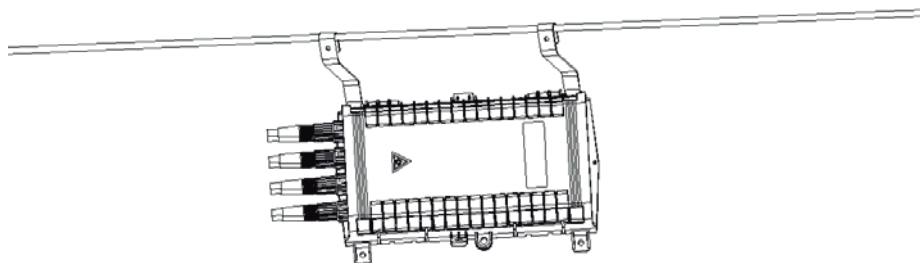Fix 1 set of the pole ring to the telecom pole (Pic 7).
**3** The overhead structure.
Tie the two installed on the chassis of the overhead hung on the wire, and then bolted, prevent the case fall off.(Pic 8).

PIC 6 WALL MOUNTED INSTALLATION

PIC 7 POLE MOUNTED INSTALLATION

PIC 8 THE OVERHEAD STRUCTURE

# FIBER CONNECTOR INSTALLATION



Pic 9 Remove the arrow part of fiber connector counterclockwise and take out the dust cap.



Pic10 The arrow part of fiber connector is above, insert fiber connector into the socket and then install the arrow part clockwise.

## ACCESSORIES

**1**  Users' Manual*1.
**2**  Accessories Bag*1.
**3**  Pole Ring*2 (Option).