

FTTH-012

COMCAST GROUP



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1.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, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

2.Configuration

Material	PC+ ABS
Size	A*B*C(mm) 295*220*85
Max Capacity	SC 16 Ports
	PLC 1x8(SC)
Weight	1.0kg
Color	Black

2.1 Splitter

Product name	PLC Splitter			Product type			PLC-1x16 SC/APC 1M		
Testing parameters	Insertion Loss (dB)			PDL(dB)			Return loss (dB)		
Require wavelength (nm)	1260-1650								
Operating Wavelength (nm)	1310	1490	1550	1310	1490	1550	1310	1490	1550
Testing Standar (dB)	≤13.6			≤0.3			≥60		

3. Features

- 1.Total enclosed structure.
- 2、Material: PC+ABS, 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, patch cords are running through own path without disturbing each other, cassette type SC adaptor installation, easy maintenance.
- 5、Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation.
- 6、Cabinet can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use

4.Specification

4.1 Environmental requirement

- Working temperature : -40°C~+85°C
- Relative humidity : ≤85% (+30°C)
- Atmospheric pressure : 70KPa~106Kpa

4.2、 Main technical datasheet

- Insertion loss : ≤0.2dB
- UPC return loss : ≥50dB
- APC return loss : ≥60dB
- Life of insertion and extraction : >1000 times

4.3Thunder-proof technical datasheet

The grounding device is isolated with the cabinet, isolation resistance is less than:

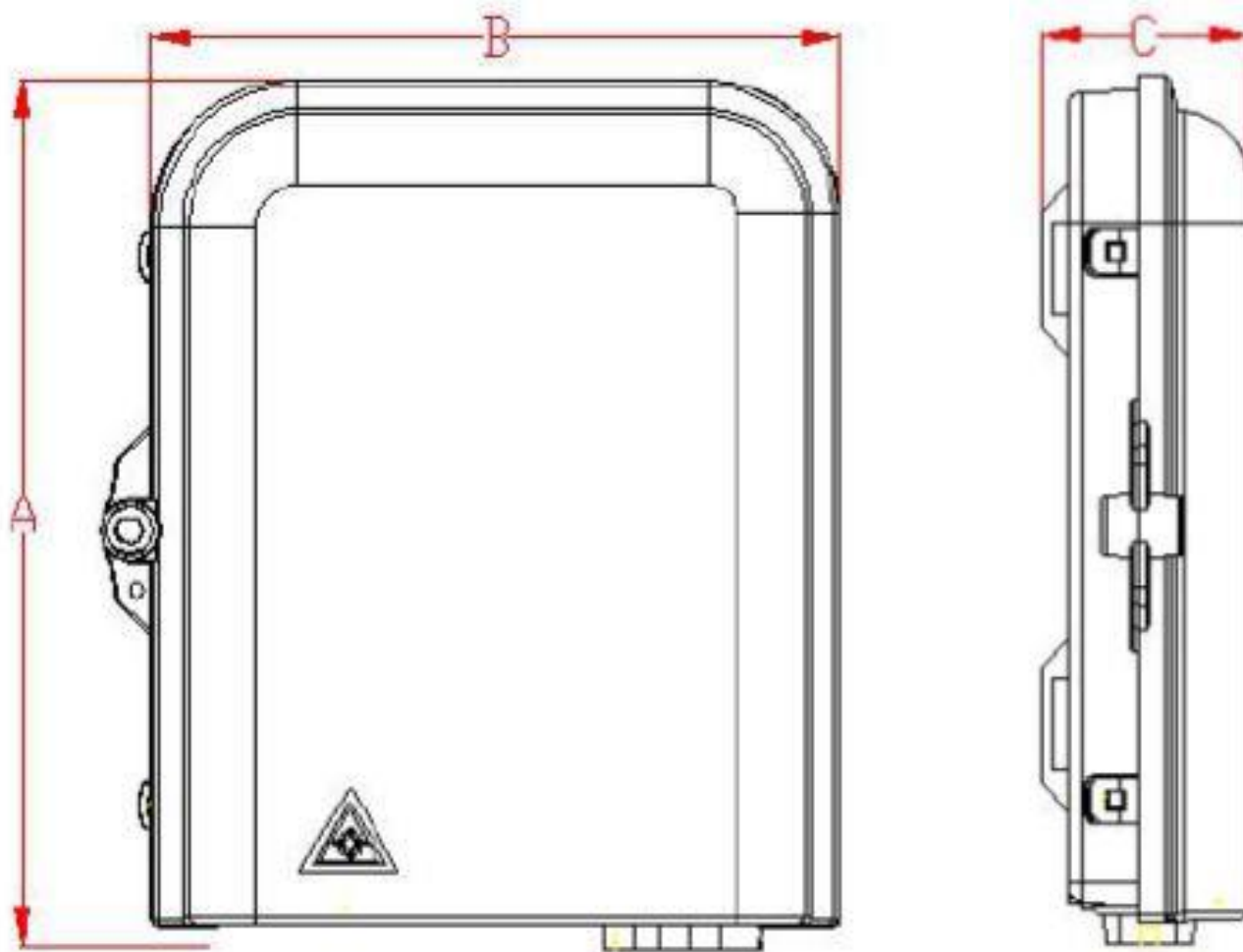
- $2 \times 10^4 \text{ M}\Omega/500\text{V}$ (DC;
- $IR \geq 2 \times 10^4 \text{ M}\Omega/500\text{V}$

The withstand voltage between grounding device and cabinet is no less than 3000V (DC) /min, no puncture, no flashover ; $U \geq 3000\text{V}$

4.4 Model and Configuration

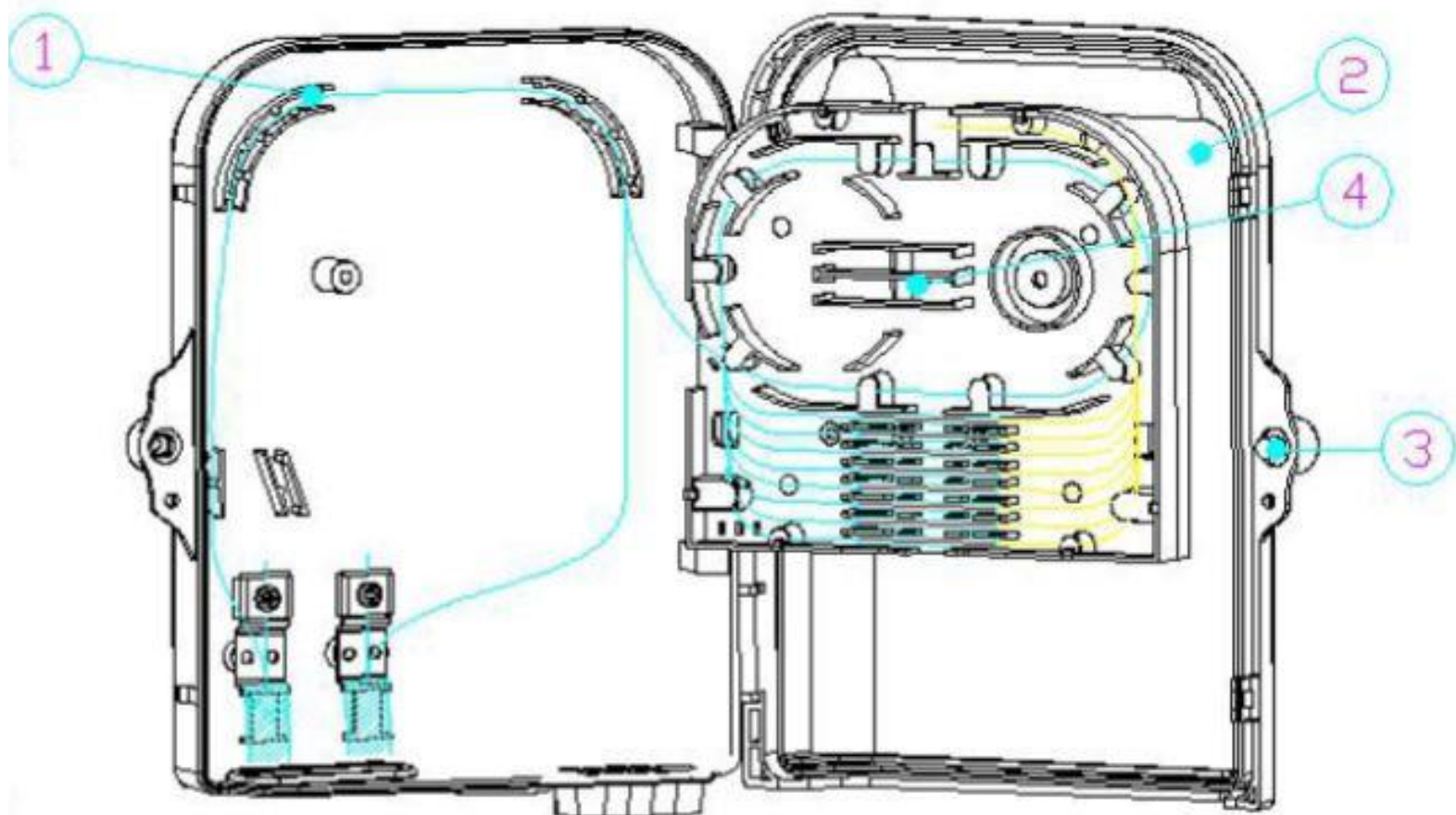
Model	Description	Size	Max Capacity			Installation Size(Pic 2)
		A*B*C (Pic 1)	SC	LC	PLC	D*E (mm)
8 core	Splitting /Distribution Box	227*181*54.5	8	8	8 (LC)	81*120

5. Prodcut Cable Way

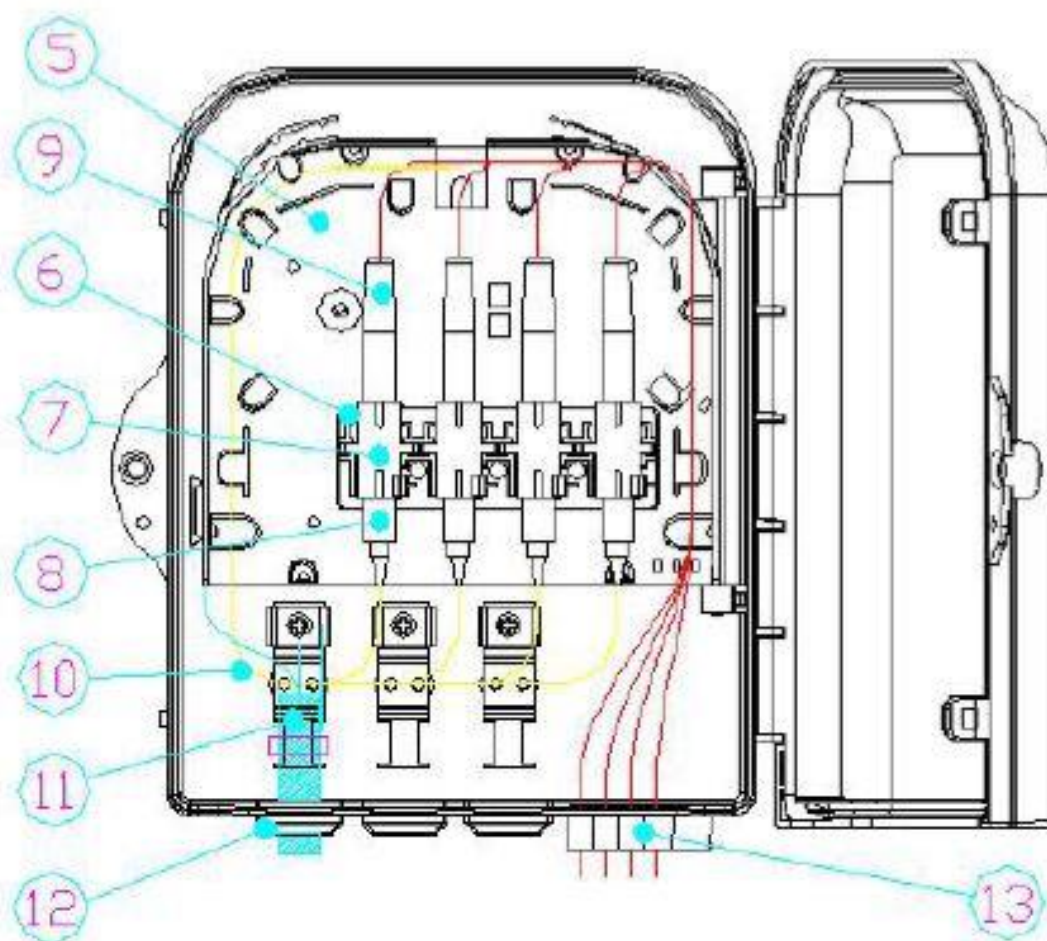


Pic 1 Box Size

5.1 Product Cable Way



- 1.Base ;
- 2.Lid ;
- 3.Lock ;
- 4.PLC Mounting position ;



5. Splicing flap plate ;

6.Adaptor assemble bracket ;

7.Adaptor ;

8.Pigtail ;

9.Fast connector ;

10.cable fixer ;

11.Main cable ;

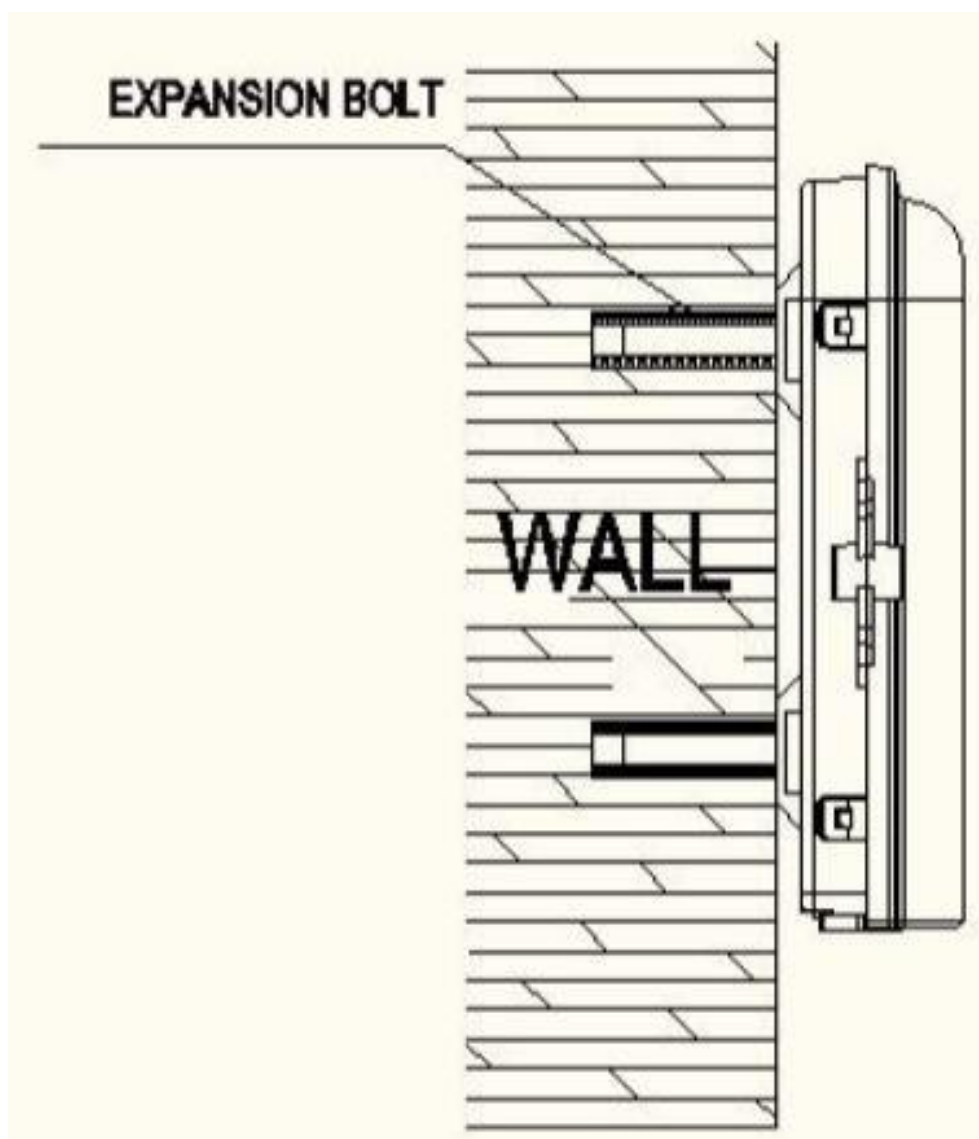
12. cable entry dusty free protector

13.Dust-free blocker

6. Installation

6.1 Wall-mounted installation

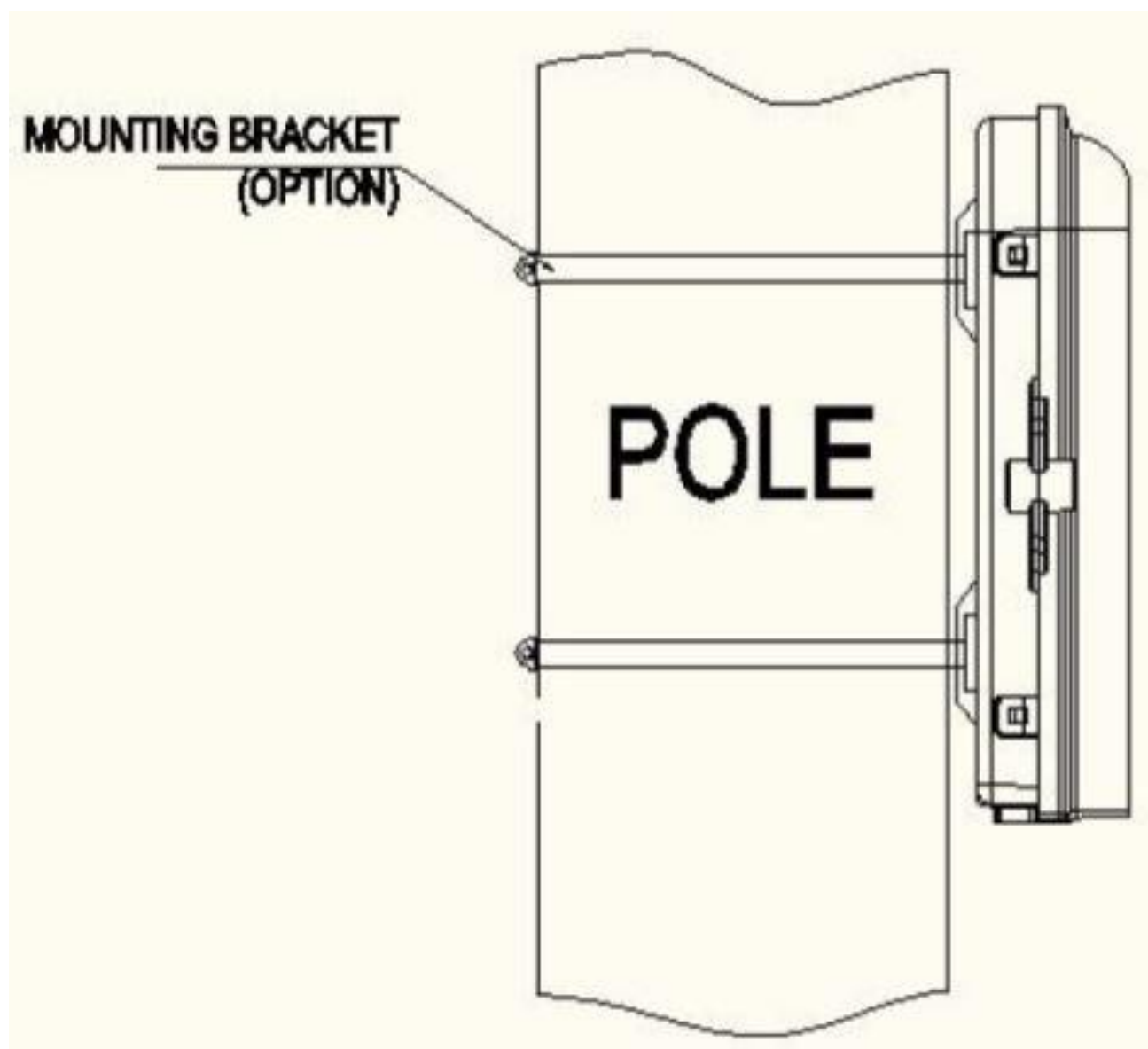
Drill 4 holes over the wall based on the size in table 1, place the expansion bolt $\Phi 5.5 \times 30$, place the box to match up the holes and use bolt to fasten (Pic 4)



Pic 4 Wall mounted installation

6.2 Pole-mounted installation

Fix 1 set of the easy pole ring to the telecom pole . (Pic 5)



Pic 5 Pole mounted installation

