2024|En version 2.0

SPECIFICATION

FTTX PRE-CONNECTORIZED TERMINAL BOX PTB-12A

12 Ports FTTX Pre-connectorized Terminal Box PTB-12A

Description

It consists of 13pcs bayonet type enhanced pre-connectorized waterproof SCAPC adapters,. Some Splice trays, a tissue system with optical fiber splicing tray and which can be accessed and connected from the outside of the box.

The box is used as a termination point for the feeder cable to connect with drop cable in FTTx network system. The fiber splicing, splitting, and distribution can be done in this box, and to form the optical interconnection point between these networks and the distributed network. It allow the connection to a single optical plug in the customer's home on de-mand. and meanwhile it provides solid protection and management for the FTTx network building.

The closed box is completely sealed and weatherproof, so it can be installed outside and inside the exterior wall, wall, roof, basement, garage, yard, wardrobe, column or building installed on the messenger.

Specification:

Model No.	PTB-12A	Color	Black
Splice Capacity	48F Splice	Input Cable PORTS	1-3
Material	Plastic :PP+GF Metal: SUS304	Output Adapters	13x Mini SCAPC waterproof adapters<0.2dB
Dimension(L*W*D,)	262*209*94(No Buckle) 269*237*94(With Buckle)	Suitable Splitter	1:4 or 1:8 or 1:12or 2:4 or 2： 8 blockless PLC Splitter SCAPC
Flame retardant perfor-mance	Non-flame retardant	Protection Level	IP68 Indoor/Outdoor
Installation Method	Pole/wall-mounting, aerial cable -mounting	Impact resistance rating	IK10
Application scenario	Overground, underground, manhole/hand hole	Sealing mode	Mechanical

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Splice tray details

Mold	OMC-R021
Dimension(mm)	134*125*8
Material	PC+ABS, ABS
Splice Capacity	12F, 1 slot for 1*8 or 1x4 PLC splitter

Mold	OMC-R023
Dimension(mm)	134*125*8
Material	PC+ABS, ABS
Splice Capacity	24F

Features

1. Plug and play, pre-connected household cable instead of fusion, no need to open the box.
2. Fast insertion can fix and seal the optical cable outside the connector box for quick installation.
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. Support a variety of installation methods, holding pole, hanging wall, hanging cable.
6. Suitable for a variety of installation scenarios, support above-ground, underground, Manhole.well, hand well
7. Box can be installed by the way of wall-mounted or poled-mounted, suitable for both

Specification

1、**Environmental requirement**

Working temperature：-40℃ ~ +85℃

Relative humidity：≤85%（+30℃）

Atmospheric pressure：70KPa ~ 106Kpa

2、**Thunder-proof technical datasheet**

The insulation resistance between the grounding device and the metal parts of the box is no less than 2 x 10^4 MΩ/500V（DC）；IR≥2x10^4 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

Standard Accessories:

Accessories bagx1

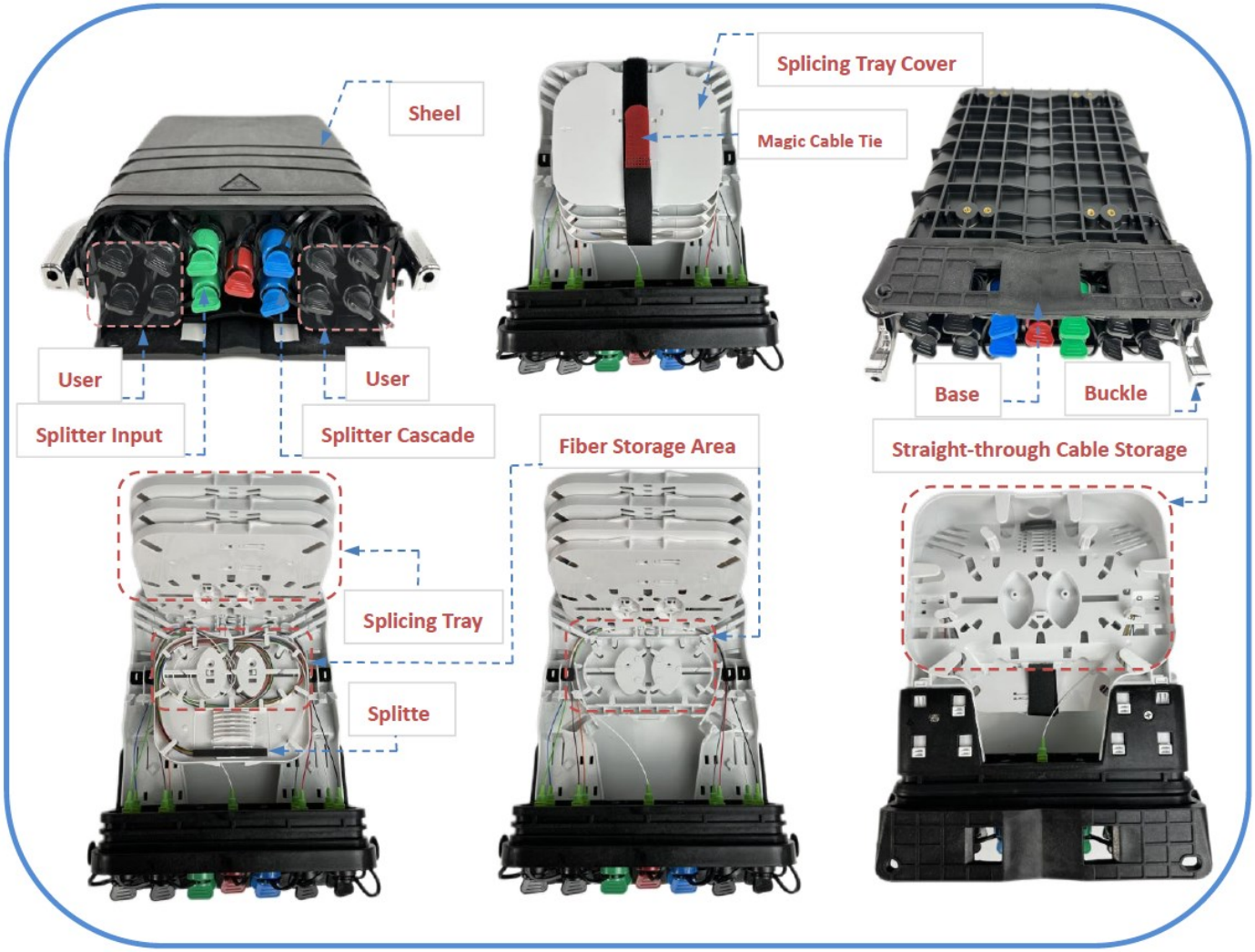
Optional Accessories:

Pole ring*2, Overhead installation hook

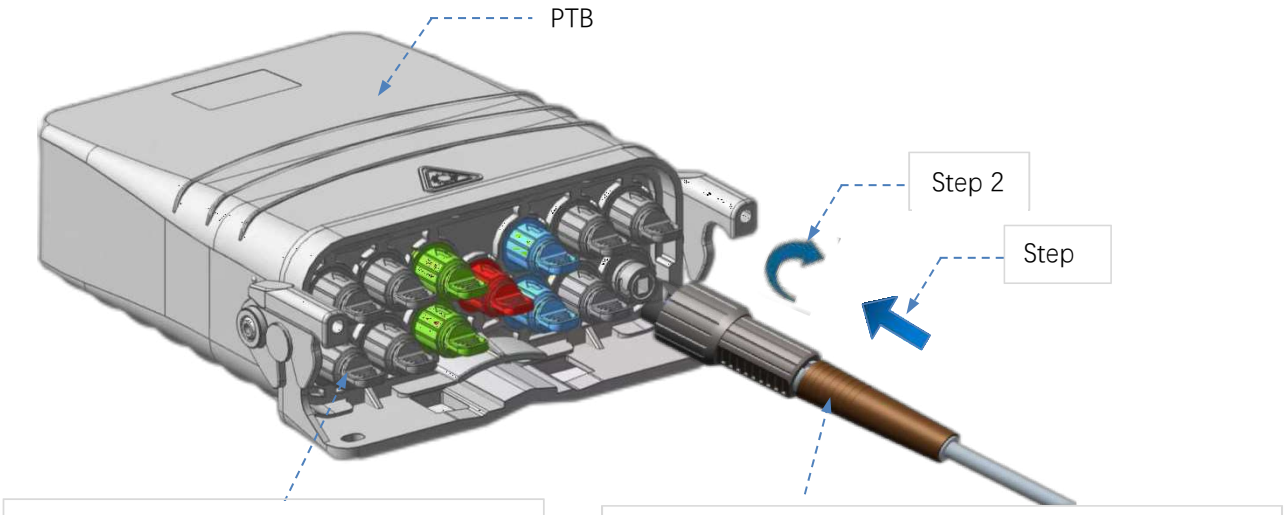
Package

Net weight	1.45kg
Gross Weight	1.65kg
Single box	355*237*126mm
Master box	10pcs per box
Master box size	50*31*54cm
Master box weight	17.3kg

Functional zoning



Pre-connectorized waterproof SCAPC adapters Details



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INSTALLATION

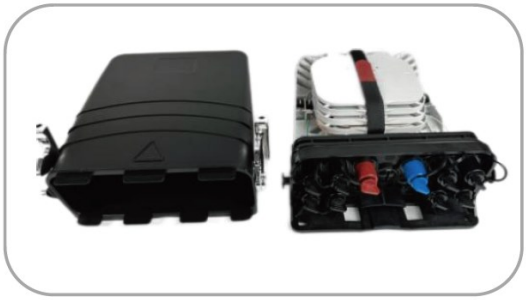
Open diagram

1 Insert the round hole of the button with a screwdriver

2 Push the screwdriver clockwise

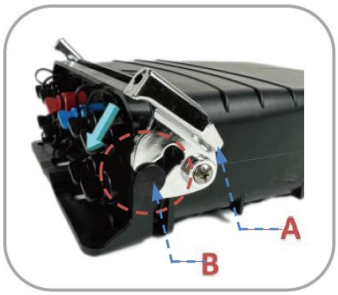
3 Push another button in the same way

4 Increase the gap between the bottom and the cap



5 Take out the bottom

Closing diagram



1 The notch of A, align with B, and get stuck with B

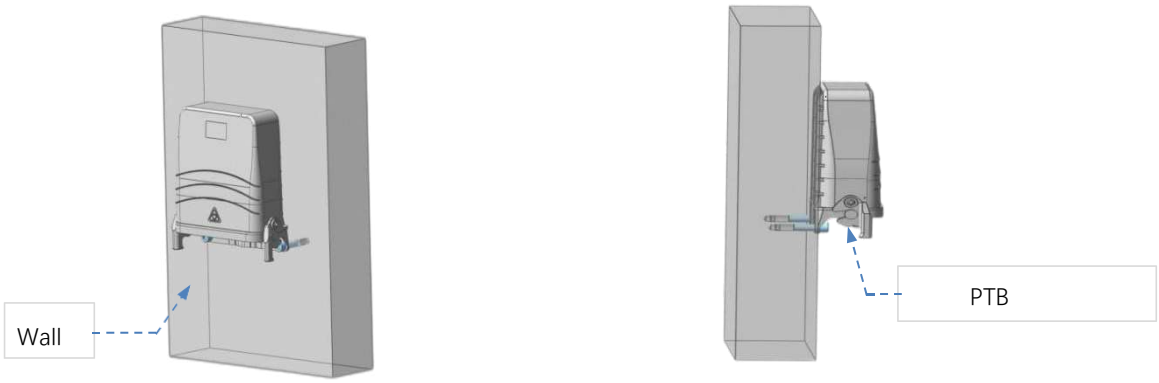
2 Insert the round hole of the button with a screwdriver

3 Pressure the screwdriver counterclockwise

4 Pressure another button in the same way

5 The appearance of the closure

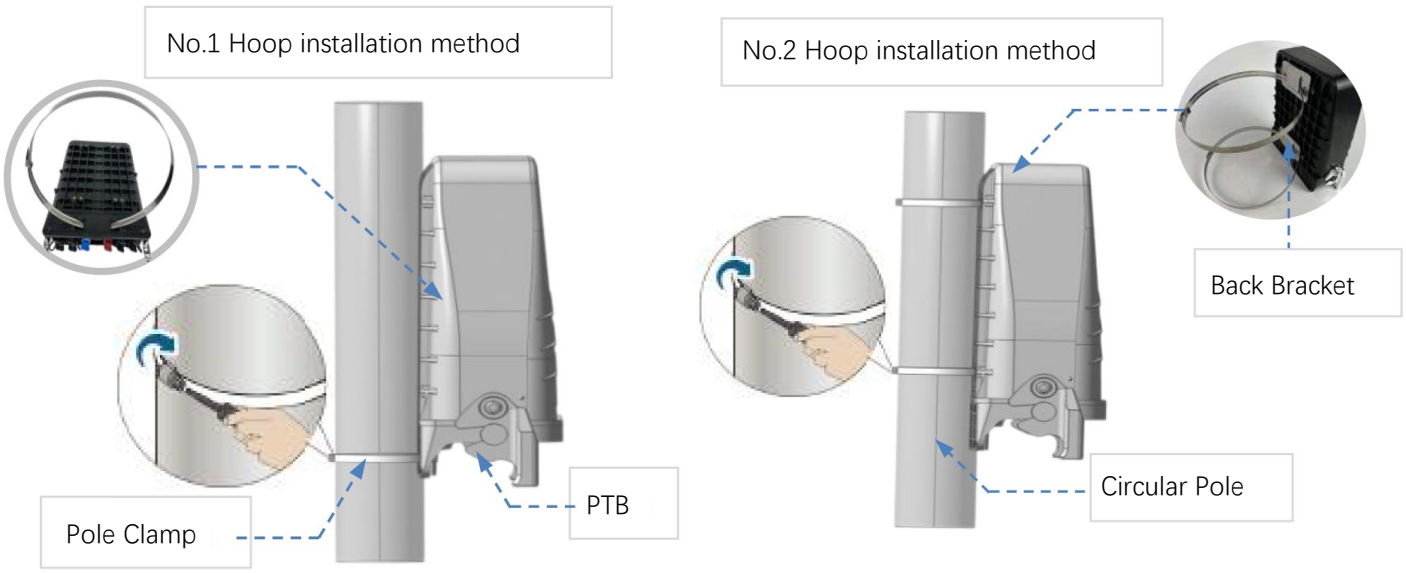
1. Wall-mounted installation



Drill 2 holes into the wall, place the expansion bolt Φ7.5*40, place the box to match up the holes and use bolt to fasten

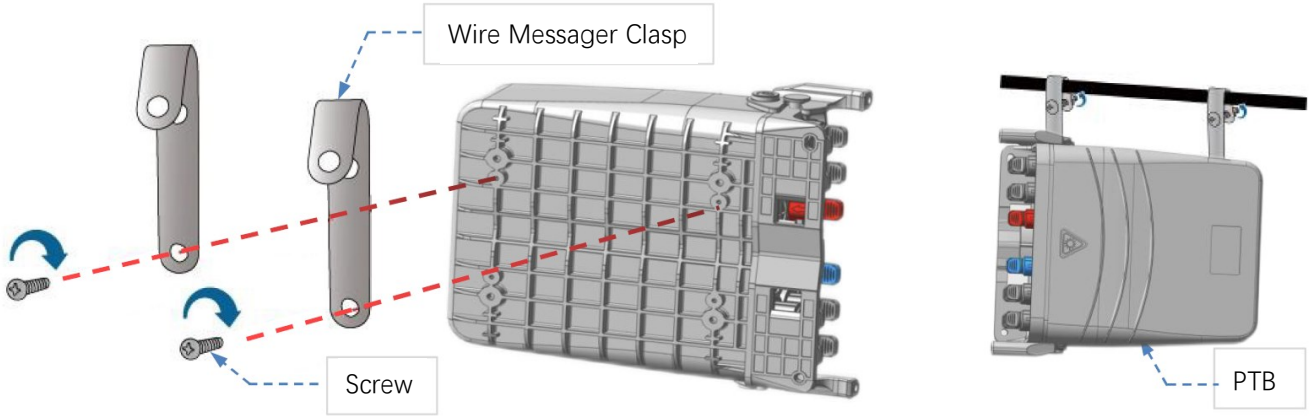
2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole



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.



4. Fiber storage bracket installation