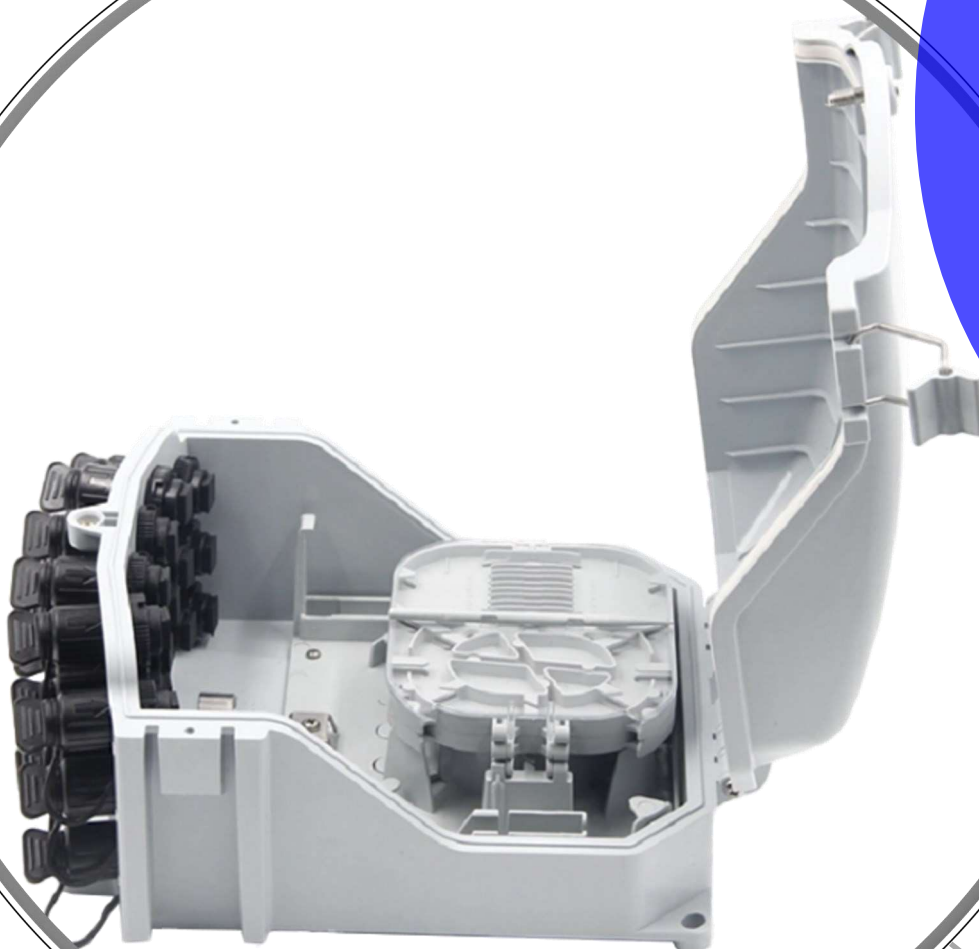


SPECIFICATION

FTTX PRE-CONNECTORIZED TERMINAL BOX PTB-18D



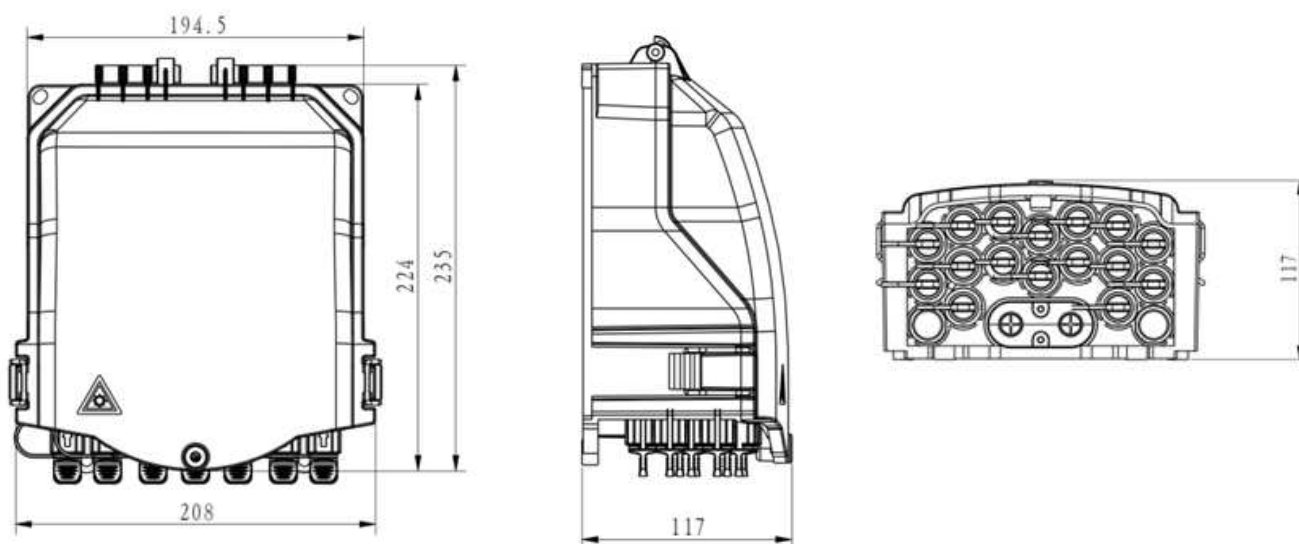
Description

The FTTX Pre-connectorized Terminal Box PTB-18D is used as a termination box 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. It can offer 18 FTTH subscribers access points.

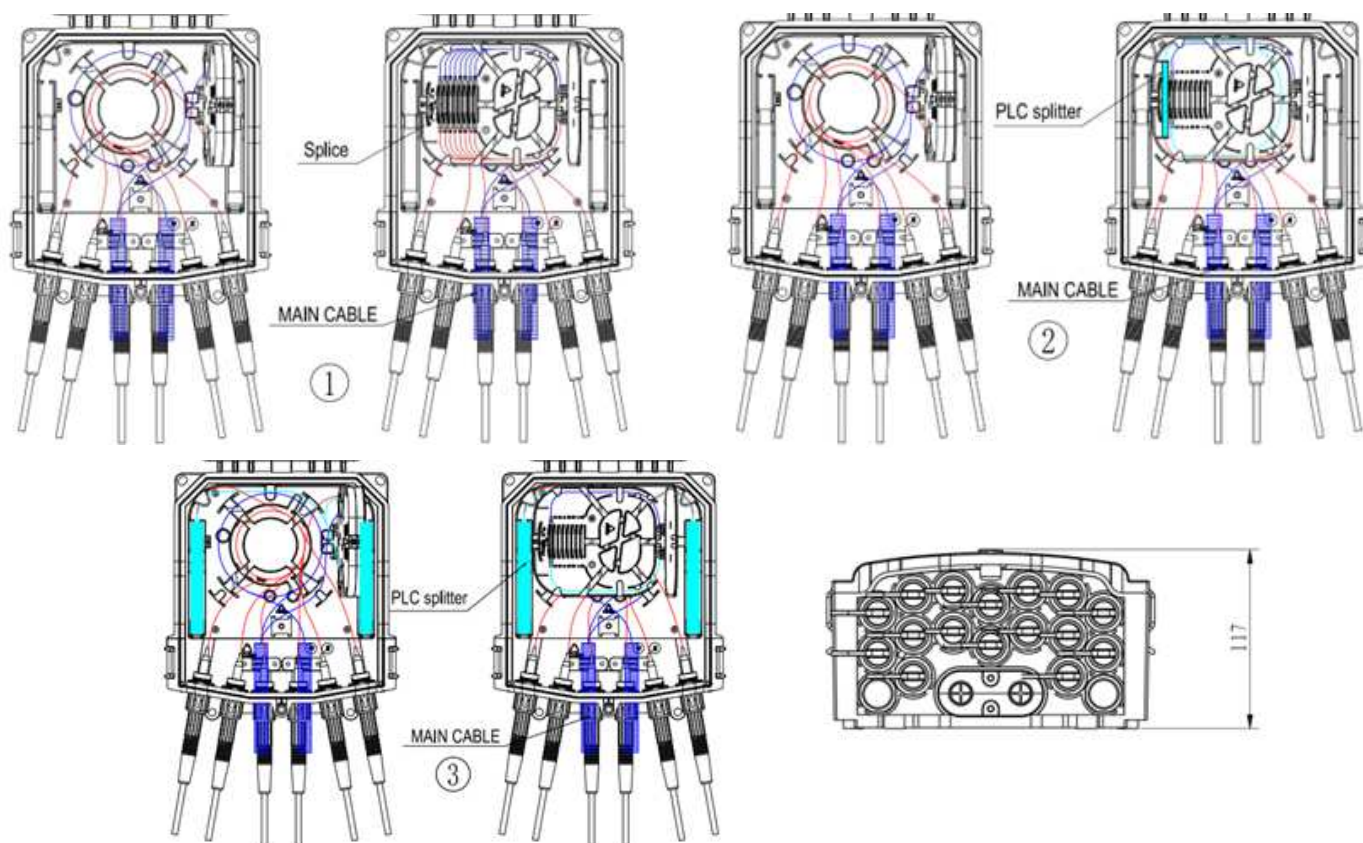
Specification:



Model No.	PTB-18D	Color	Grey,Black,White.
Capacity	18ports Waterproof Mini SC APC+24F Splice	Protection Level	IP55 Indoor/Outdoor
Material	PC+ABS, ABS	Flame retardant performance	Non-flame retardant
Dimension(L*W*D,)	235x208x117mm	Suitable Splitter	1:8 or 2:8 or 1:16 or 2:16 Block-less PLC Splitter
Input Cable OD	1mid span(Φ 16mm Max),	Output Adapter	18x Mini SCAPC waterproof adapters<0.2dB
Installation Method	Wall&Pole mounted	Insertion loss	\leq 0.2dB (1310nm & 1550nm)



Products Cabling route



Pre-connectorized waterproof SCAPC adapters Details



18XMini SC/APC Waterproof adapter $S < 0.2\text{dB}$

2, Mini SC/APC Pre-connectorized Patch cord

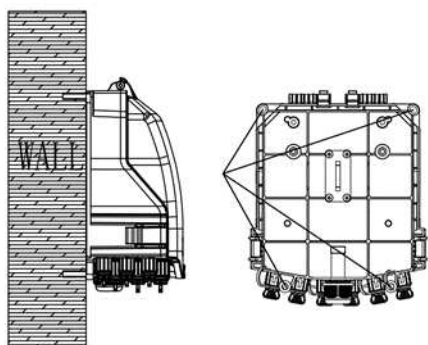
Pre-connectorized waterproof SCAPC adapters Details



INSTALLATION INSTRUCTION

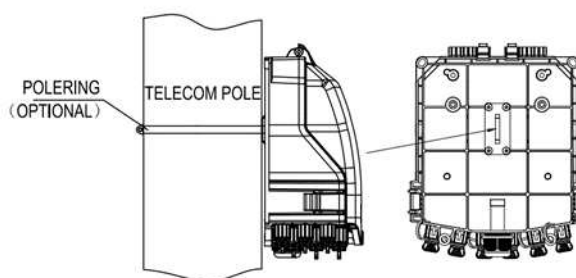
1. Wall-mounted installation

Drill 4 holes into the wall based on the size in table 1, place the expansion bolt $\Phi 7.5 \times 40$, 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



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, 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: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Relative humidity: $\leq 85\%$ ($+30^{\circ}\text{C}$)

Atmospheric pressure: $70\text{KPa} \sim 106\text{KPa}$

2、 Main technical datasheet:

Insertion loss: $\leq 0.2\text{dB}$

UPC return loss: $\geq 50\text{dB}$

APC return loss: $\geq 60\text{dB}$

3、 Thunder-proof technical datasheet

The insulation resistance between the grounding device and the metal parts of the box is no 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 voltage resistance between the grounding device, and the box and its metal parts is no less than 3000V (DC) /min, no puncture, no flashover; $U \geq 3000\text{V}$

Package

Plastic bag size: $500 \times 410\text{mm}$

Inner box with single corrugated size: $275 \times 230 \times 127\text{mm}$

Carton with double corrugated size: $475 \times 290 \times 650\text{mm}$ (10PCS/Box)

Weight per carton: 10.5KG

Standard Accessories:

- PTB-18D Box x 1
- Special Key x 1
- Nylon Tie (3*100) x 10
- Fusion Sleeve(60mm) x 48
- Eva Tube (1m) x 1
- Electrical Tape x 1
- Silicone Grease x 1
- Dielectric Cleaning Tissue x 1
- Winding Pipe(0.5m) x 1



Optional Accessories:

- Pole ring*2, Overhead installation hook x 1
- Wall Mounted Components x 1
- Hanging Wire installation x 1

