

# Manual of Fiber access terminal box— IFATB-8C

## Description

### 1. Application:

This product integrates the optical fiber splicing, splitting and wiring. It can realize the cable direct or branch connection and is suitable for client's terminal access. Connecting with the optical communication equipment, through the adapter installed in the box, the drop cable leads the signal out and achieves optical fiber distribution; also it applies to the protective connection of cables and pigtails; in addition, optical cable can be spliced with home cable after splitting, to achieve signal transmission.



### 2. Technical index:

- Optical fiber radius of curvature:  $\geq 30\text{mm}$
- Splice tray additional loss:  $\leq 0.01\text{dB}$
- Working temperature:  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Side pressure:  $\geq 2000\text{N}/10\text{ cm}$
- Impact resistance:  $\geq 20\text{N.m}$
- Protection level: IP54

### 3 Feature:

- a) made of high quality and impact resistant plastics;
- b) accommodates 1:4 splitter ( 2 pcs) or 1:8 PLC splitter (1pc);
- c) Anti-UV, anti-impact and waterproof;
- d) Wall or pole mounted;
- e) The toothed slots at the outlet can hold outgoing fibers, which avoids loosening or falling off by external force;
- f) The box body has two opened-type inlets, which realizes operation without breaking the cable.; The structural design of bottom box, reversible plate and inner cover make the cable inlet and outlet, fiber splicing area and fiber storage area form a closed and independent partition, which is conducive to manage and maintain.

## Product Specification

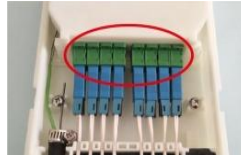
Type:	IFATC-8C
Size (mm) L×W×H	192*132*52
Max splitting	1:4 (2pcs) / 1:8 (1pc)
Weight (Kg)	0.5
Cable diameter(mm)	$\leq \text{F12}$
Cable inlet/outlet:	2 / 8
Fiber core capacity:	8 (single fiber)

## Installation Procedure

1) Open the box with the key, use the special wrench loosen the anti-theft screw (Note: the anti-theft screw is optional), and press the OPEN position inward to open the inner cover.



2) Install the SC adapters in the panel bracket.



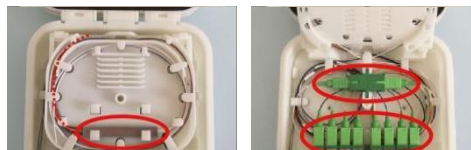
3) Strip the cable, remove the outer sheath, inner sheath and shrinkable tube, clear the paste inside the cable, leaving 0.4~0.8m fiber and 30~50mm steel core; pass the cable into the box through the sealing rubber at the inlet. lock the cable with a hose clamp, fasten it with the re-enforced steel core.



4) After the cable is stripped, the fiber is introduced into the splice tray for reserved cooling; *the end is* led to the splice groove on the front of the tray and spliced with a fiber pigtail. The other end of the pigtail is introduced into the bottom of the box and inserted into the lateral adapter.



5) Fix the PLC splitter in the special slot, connect the incoming fiber pigtail to the other end of the lateral adapter, and connect the outgoing pigtails to the adapters installed in the bracket.



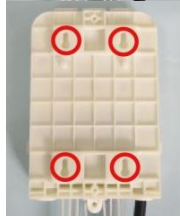
6) Close the inner cover and fasten it (Anti-theft screws can be added if necessary).



7) Access the outgoing pigtails: insert the outgoing pigtails into the adapters in turn, lead them out of the box, make sure the pigtails are in the toothed slots,. Finally close the cover and tighten the screw on it.



8) Wall mounting: Use four expansion screws to fix the box on the required position (the four yellow O's on the left are the actual punching positions); Pole installation: Fixed the box on a pole with 2 hoops.



#### Accessories:

- Plastics key: 1 pc
- M4x25 plastic expansion screws: 4 sets
- F10 ~ F16 hoop: 2 pcs
- Heat shrinkable tube L=40mm: optional
- Stainless steel hoop (155mm-178mm): optional
- Interior anti-theft screw and wrenches: optional