

# FDB Splitter Box

## I . Description

### 1. Application:

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



### Accessories:

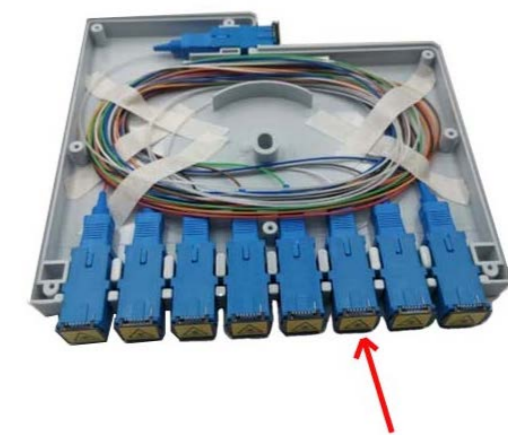
- plastic key: 2 pcs
- winding tube (6x500mm): 1 pc
- stickytube: 1roll
- expansion screw (M4x25): 4 sets (optional)
- Stainless steel hoop (118-140mm): 2 pcs (optinal)
- nylon tie (3x100mm): 4 pcs
- heat shrinkable sleeves (L=60mm): 2 pcs

### 2. Feature:

- a. Made of high quality and impact resistant plastics with Standard user interface;
- a. Can accommodate two 1:8 splitters;
- b. With UV, impact and water resistance;;
- c. Wall and pole mountable;
- d. Meet the needs of non-breaking cable;
- e. Functional zoning: The cable splicing and distribution area is independent from the cable exit area; the two covers are opened separately for easier installation and maintenance.

### 3. Technical index:

- Optical fiber radius of curvature: 40mm
- Splice tray additional loss: 0.01 dB
- Working temperature: - 20°C + 60°C
- Side pressure: 2000N / 10 cm
- Impact resistance: 20N.m
- Protection level: IP54



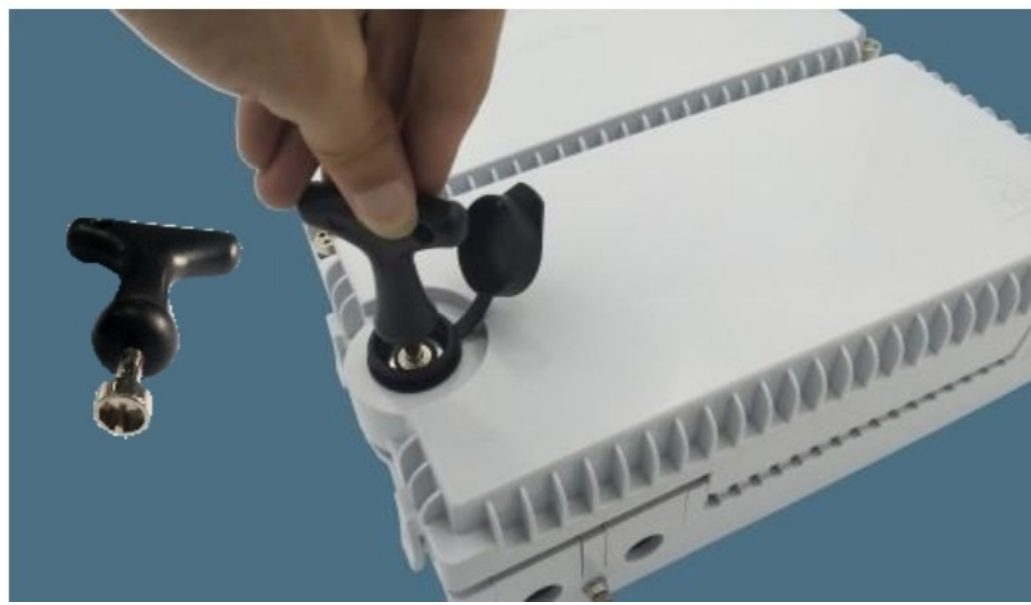
Optional Accessories

## II . Product Specification

Type:	ST-F229
Size(mm) LXWXH	343*303*98
Weight (Kg)	1.5
Cable diameter(mm)	<12
Cable inlet/outlet:	3 /16
Fiber core capacity:	16 (single core)

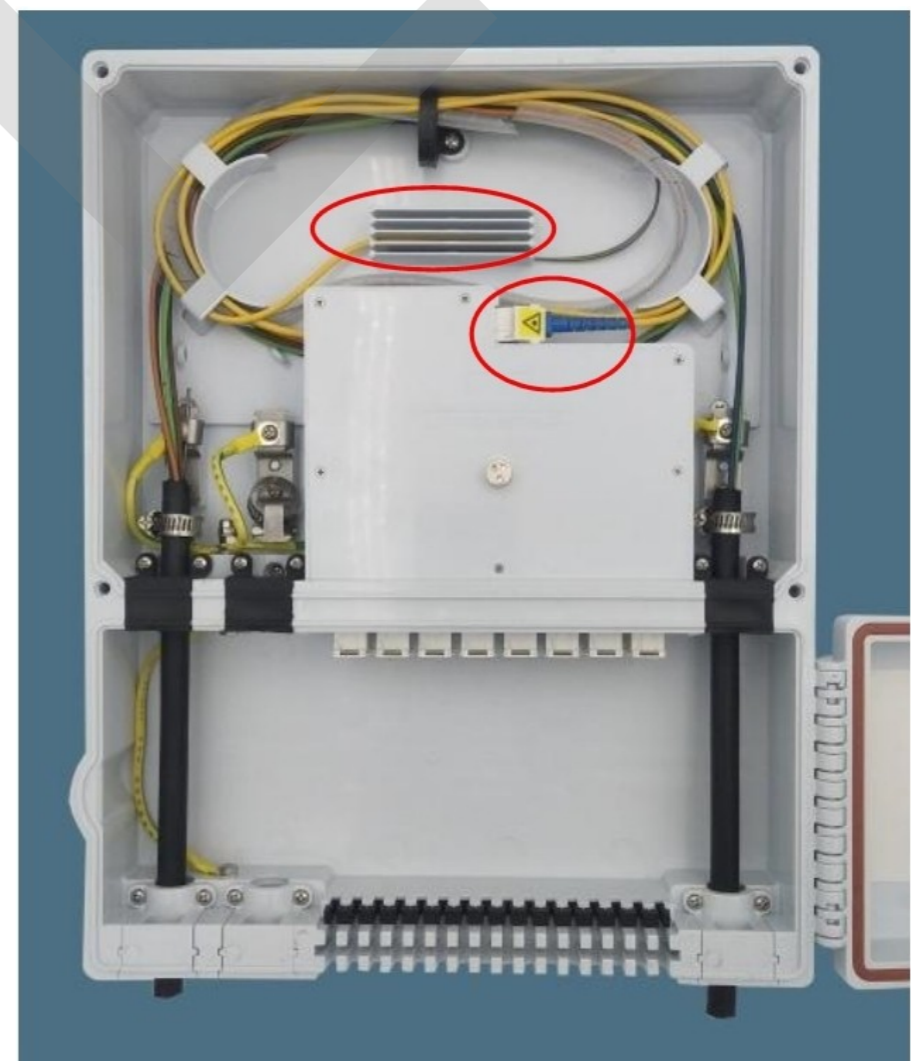
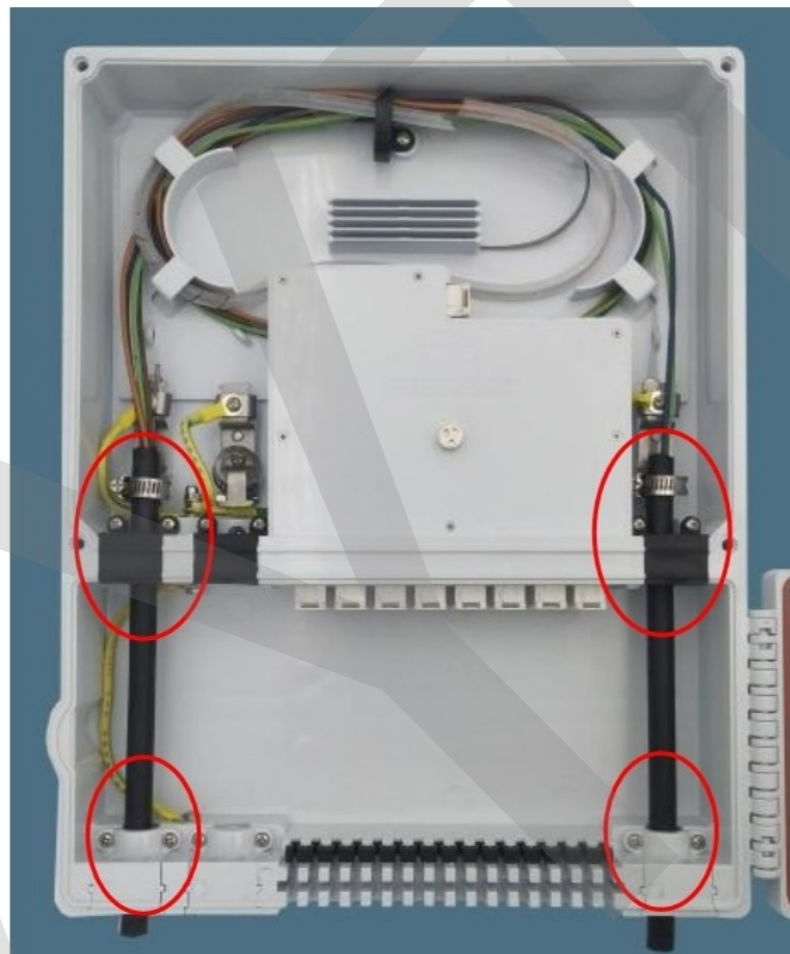
### III. Installation procedure

1. Use the key open the 2 covers.



2. Strip the cable, remove the outer and inner sheath, lose tube, clean and remove the filling paste in the cable, leave 0.8 ~ 1.2m bare fiber and 30-SOmm steel core, pass the cable into the box through the inlet, wrap the cable with sticky tape which match the size of the inlet; press the cable tightly with plastic clamp at the outlet and the rubber clamp at the splicing zone, lock the cable with a hose clamp, fasten it with the re-enforced steel core.

3. Introduce the optical fiber into the winding wheel and coil it, protect it with the fiber protection tube, lead the fiber end into the splicing slot (the non-breaking cable is led out of the box through the other outlet); introduce the incoming pigtail head from the splitter into the splicing slot, splice it with the previous incoming fiber through heat shrinkable sleeve.



4. Plug the outgoing pigtails into the adaptor of the splitter, lead the pigtails out of the box through the exit, and clamp them through the rubber at the exit.

5. Use the expansion screw or hoop to mount the box on the wall or pole.

