

PT-0002 Series

Fiber Optic Splice / Splitter Closure

This splice closure integrates distribution and splitting in one, can realize the direct fusion and branching of the optical cable, and is suitable for the wiring connection in the optical communication equipment. Through the adapter and jumper to bring in the signal to realize optical distribution function, it is also suitable for fiber optic cables and pigtail protective connection; the unique three-tier design of the box body can be used as a fiber splitter or splice box; the flip board can be flipped $\geq 180^\circ$, it is more convenient to install the box or maintenance. If remove the board, it can be used as a splice closure to meet different choices.



Splice Closure (2-layer)



Splitter Closure (3-layer)

Features

The product is made of high-quality impact resistant plastic and has a standard user interface that can be re-opened.
 Can accommodate two 1x8 PLC splitter LGX module or steel tube type;
 Anti-ultraviolet, anti-impact and waterproof function;
 Unique flip board, flip angle $\geq 180^\circ$, fusion area and distribution area is more obvious, reducing the cable crossing;
 Fiber optic cable can go in and out of the box without cut the cable.

Technical parameters

Optical fiber radius of curvature: $\geq 40\text{mm}$
 Splice tray additional loss: $\leq 0.1\text{dB}$
 Temperature range: $-40^\circ\text{C} \sim +60^\circ\text{C}$
 Anti side pressure: $\geq 2000\text{N}/10\text{cm}$
 Impact resistance: $\geq 20\text{N.m}$
 Protection class: IP65

Specification

Model	PT-0002	PT-0002-F
Dimension (mm)	290*190*110	290*190*90
Cable diameter (mm)	$\Phi 7 - \Phi 18$	$\Phi 7 - \Phi 18$
Cable port	4pcs round ports, 16pcs 2*3mm drop cable ports	2in 2 out
Max. Split ratio	2pcs 1x8 Micro-tube PLC Splitter	/

Max. Splice tray	1pc	3pcs
Max. Fusion splice	24 cores	72 cores

Installation procedure

TYPE 1-- Splitter Closure

1. Open box, fix the splitter LGX module with nylon cable tie. (See fig. 1)
2. Strip the outer jacket, inner jacket, loose tube off the cable, remove the oil filling paste inside the cable, keep the fiber length of 1-1.6m and the steel core of 30-50mm; insert feeder cable through the entry and lock with hoop, strength plate to fix the fiber core. The excess optical cable is coiled at the bottom, and the fused fiber optic cable is introduced into the fiber tray. Superfluous optical fiber cable will be fixed and stored at the bottom of the box, bring the cable into the splice tray. (See fig. 2)

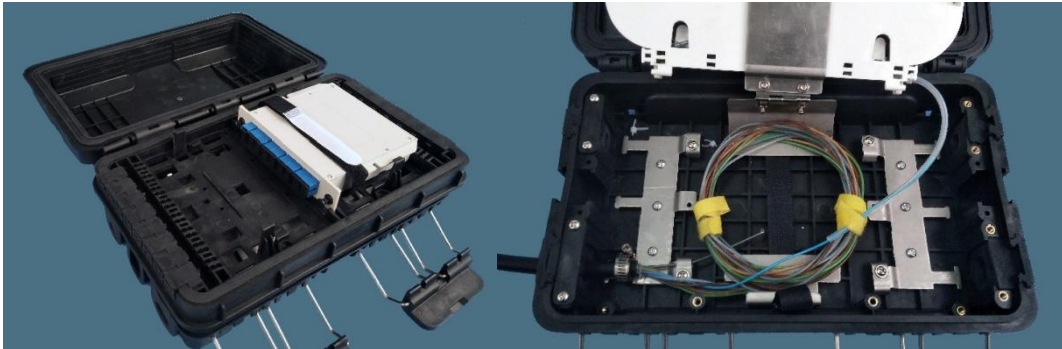


Fig. 1

Fig. 2

3. Insert the pigtail connector into the splitter module adapter (input side), then introduced into the splice tray through the holes opened in the tray core. After being coiled and finished, the other end of the pigtail is led to the heat shrinkable tube installed in the welding groove, and heat the sleeve appropriately to make the fiber and the protection tube integrated into one, and the protected optical fiber connector is snapped into the wiring groove; put on the PVC cover to prevent falling off (can also install the steel tube plc splitter on the back of the tray). (See fig. 3 and fig. 4)

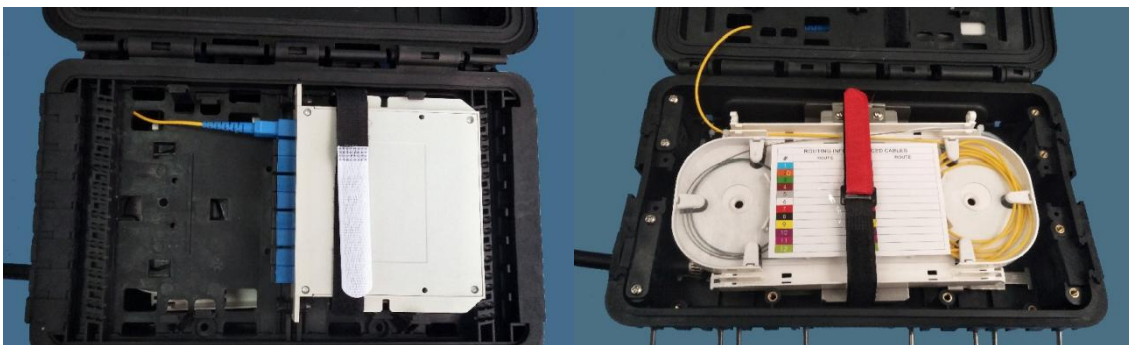


Fig. 3

Fig. 4

4. Insert the drop cable connectors into the splitter module adapter (output side), then fix the cable into the fixing slots, then through the rubber seal to lead out the cable. (See. Fig. 5)
5. Insert the cable pigtail into the fixing slot, and then pass through the outlet sealing rubber to lead out the cable.
6. Close the lid and snap the spring lock to complete the installation. (See. Fig. 6)



Fig. 5

Fig. 6

TYPE 2-- Splice Closure

Strip the outer jacket, inner jacket, loose tube off the cable, remove the oil filling paste inside the cable, keep the fiber length of 1-1.6m and the steel core of 30-50mm; insert feeder cable through the entry and lock with hoop, strength plate to fix the fiber core. The excess optical cable is coiled at the bottom, and the fused fiber optic cable is introduced into the fiber tray. Superfluous optical fiber cable will be fixed and stored at the bottom of the box, bring the cable into the splice tray. (See fig. 7)

Lead the one end of the cable into the heat shrinkable tube on fusion splicing slots, heat appropriately to make the fiber and the protection tube integrated into one, and the protected optical fiber connector is snapped into the wiring groove; put on the PVC cover to prevent falling off. (See fig. 7, 8, 9)

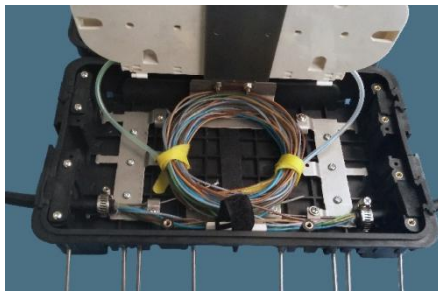


Fig. 7



Fig. 8



Fig. 9

Packing list

Main body	1 Set
L=400mm bare fiber buffer tube	2 pcs
Hoop / clamp	2 pcs
3x100 nylon tie	26 pcs
Heat shrinkable tube L=60mm	2-72 pcs (configuration on demand)
User manual	1pc