2024|En version 2.0

SPECIFICATION

AERIAL FIBER ACCESS TERMINAL CLOSURE

Aerial Fiber Access Terminal Closure

Description:

Aerial Fiber Access Terminal Closure（AFATC） is 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≥180°,it is more convenient to install the box or maintenance. If remove the board, it can bed as a splice closure to meet different choices.

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 ≥ 180 °, 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.

AFATC-002A

AFATC-002L

AFATC-002S

Specification

Model	AFATC-002A	AFATC-002L	AFATC-002S
Material	Modified polymer plastic +GF		
Dimension (mm)	285*175*110	285*175*110	285*175*90
Cable diameter (mm)	Φ7-18		
Cable port	2pcs 8-20mm round ports,		2pcs 8-20mm round ports, 4pcs 5-16mm round cable
	4pcs 5-16mm round cable, 16pcs 3-7mm drop cable ports		
Max. Split ratio	2pcs 1x8 steel tube splitter	1pcs 1x8 LGX splitter	N/A
Max. Adapter number	18pcs	9pcs	N/A
Max. Splice tray	1pc		4pcs
Max. Fusion splice	24 cores		96 cores

Technical parameters

Optical fiber radius of curvature: ≥40mm
Splice tray additional loss: ≤0.1dB
Temperature range: -40°C ~ +60°C
Anti side pressure: ≥2000N/10cm
Impact resistance: ≥20N.m
Protection class: IP68

Aerial Fiber Access Terminal Closure

Installation procedure

TYPE 1-- AFATC-002A

1,Open box, install the adapters on the plastic holder. (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

Insert the pigtail connector into the input port on adapter holder, 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 splicing groove, and heat the sleeve appropriately to make the fiber and the protection tube inte- grated into one, and the protected optical fiber connector is snapped into the splicing groove; put on the PVC cover to prevent falling off.

3,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. 3)

4,Insert the cable pigtail into the fixing slot, and then pass through the outlet sealing rubber to lead out the cable.

5,Close the lid,snap the buckle to complete the installation,install the metal hooks then hook up on the aerial cable. (See. Fig. 4

fig. 3

fig. 4

Installation procedure

TYPE 2-- AFATC-002L

1, Open box, fix the splitter LGX module with nylon cable tie. (See fig. 5)

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. 6)

Fig. 5

Fig. 6

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 splicing 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 splicing groove; put on the PVC cover to prevent falling off.

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. 7)

5,Insert the cable pigtail into the fixing slot, and then pass through the outlet sealing rubber to lead out the cable.

6, lose the lid,snap the buckle to complete the installation, install the metal hooks then hook up on the aerial cable. (See. Fig. 8)

fig. 7

fig. 8

Aerial Fiber Access Terminal Closure

Installation procedure

TYPE 2-- AFATC-002S

1, 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. 9)

2, 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. 10)

fig. 9

fig. 10

Package List

Main body	1 set
L=400mm bare fiber buffer tube	2 pcs
Hoop / clamp	2 pcs
3x100 nylon tie	10 pcs
Heat shrinkable tube L=60mm	2-72 pcs (configuration on demand)
User manual	1pc