

FQX24A2 Optical Fiber Cable Distribution Box

24Core

Specification

一、 Summary

The 24 core FXQ24A2 optical branching box is produced and developed by our company completely, and the product's performance in accordance with the industry standard requirements of YD/T2150-2010. It's mainly used in FTTX access system terminal link. The box made of high strength PC plastic alloy injection molding, which has good sealing and aging resistance. In addition, it can be hanging on the wall outdoors or indoors to install and use.

二、 The main performance product

2.1. The environmental requirements:

The Temperature: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$

The Humidity: $\leq 95\%$ ($+40^{\circ}\text{C}$)

The atmospheric pressure: $70\text{KPa} \sim 108\text{KPa}$

2.2. The structure and size of box:

2.2.1 The Size: 315 (H) ×270 (W) ×105 (D) mm。

2.2.2 The Weight: 1.2KG

2.2.3 The Structure: the 24 core FQX24A2 optical branching box mainly consist of the box , shunt bracket, fiber melting tray, optical cable insert fixed unit, butterfly type cable fixing unit, seal components and line-ring components. As shown in the pictures.



2.3. The function of the box:

2.3.1 Inner design with single-layer structure, divided into distribution line area, outdoor cable insertion, fiber welting tray and butterfly type optical cable around the store. Fiber optical lines is very clear, so it 's convenient to operate and maintain.

2.3.2 There are 2 cable holes under the box that can insert 2 outdoor optical cables to meet they direct or different junction, and can insert 24 butterfly type optical cables to satisfy their end connection.

2.3.3 The fiber melting tray use the form of flip, and it can configurable 16 or 24 core capacity specifications to content the box's expansion using.

2.3.4 The flange installation can satisfy 24 core.

2.3.5 The butterfly type optical cable fixing unit adopts card slot type structure, which can be arranged in order to fix and the arrangement of the butterfly type optical cable.

2.3.6 The box can store about 1 meter butterfly type optical cable, placed it orderly in the box body through the line-ring, and can ensure the bending radius is more than 30mm.

三、 The installation instruction of the box

3.1. Installation: Wall hanging

3.1.1 According to the backplane mounting hole's distance, hit 4 mounting holes on the wall, and knock the plastic expansion sleeve.

3.1.2 Fixed the box on the wall with M8 * 40 screws.

3.1.3 Position the upper end of the box into the wall hole, and then use M8 * 40 screws fix the box on the wall.

3.1.4 Check the box installation, close the door after qualified. In order to prevent rainwater from entering the box, the box should be tightened by a key column.

3.1.5 Insert the outdoor optical cable and butterfly type optic cable according to the construction requirements.

3.2 Hanging rod installation

3.2.1 Remove the box installation backplane and hoop, take the hoop penetrated into the installation backplane.

3.2.2 Fixed the backboard on the pole through the hoop. In order to prevent accidents, it's necessary to check whether the hoop locking the pole to ensure that the box is firm and reliable, no loose.

3.2.3 The box installation and the optical cable insertion is same as 3.1.3, 3.1.4.

3.3 Open the box

**3.3.1 Open the box with middle figure fastener outwards forcibly, and
buckle the lower cover with finger hold down hardly.**

四、 Product configuration list

Product name	Models	Quantity	Remark
Box	FQX24A2	1pc	
Fiber heat shrinkable sleeve	Φ1.5×60mm	24pcs	
Nylon cable ties	3×100mm	6pcs	
Expansion bolt	M8×40mm	4pcs	
Key		1pc	