

# SPLITTER DISTRIBUTION BOX

## SINGLE DOOR TYPE



### General Description

Fiber Distribution Box is a connecting box between fiber cable and optical communication equipment for distributing optical fiber, in the use of patch cord bringing optical signal out with fiber adaptor in distribution box.

This box could be used in outdoor and indoor for small capacity of fiber optical communication project as configuring with entire central apparatus room, for instance that connecting protection between fiber cable and distributing fiber pigtail, or operation of fiber optical termination in fiber optical access network.

Wall-mounted & Pole-mounted type is easy to installation with good looking and reasonable structure for long life time.

### Features

- Two parts of box frame- Part 1 for fiber splicing and branching through installing common splicing tray, real capacity could be adjusted as practical situation through adding splicing tray with reversible gap.  
Part 2 is for connecting patch cord in the use of ABS cassette splitter.
- Reliable setting for fixing fiber | drop cable, dependable tool for stripping fiber, and safe part for

connecting underground.

- Design for protecting fiber routing across the enough special space, under guaranteed maximum bending radius is over 40mm, basing on the easy installation.
- Fixing by 12ports of adaptor to be suitable for sorts of adaptors.
- The box body is sealed with sealing strip, which can effectively prevent the dust from entering.
- Elegant appearance with average color, excellent frame structure is able to bear giant compact.
- The series of products by the ministry of information industry standard YD/T 2150-2010, design and manufacture of YD/T1117-2001.

## Technical Data

Name	Content
Model	Splitter Distribution Box-Single door type
Mounting	Wall-mounted & Pole-mounted
Environment	Outdoor & Indoor
Color of Frame	White
Material of Frame	1.2mm superior cold-rolled sheet, surface with static painting
Adaptor Output Type	FC、 SC、 ST、 2LC
Withstand Voltage	Withstand Voltage is greater than or equal to 3000V(DC) between box and grounding device of high voltage protection, can not be breakdown within 1min by high voltage, Non-arcing phenomenon
Insulation	Insulation Resistance is not less than 100MΩ/500V(DV) between box and grounding device of high voltage protection

## Box Installation And Fixation.

- Outdoor fiber distribution box adopts hanging walls and hang lever, as required when installation planning location marking, drilling (4 - Ø 8), with 4 M8 x 80 expansion screws (accessories) fixed hanging wall attachment to the enclosure wall
- The hanging lever device is a random attachment. When it needs to be mounted, four hanging wall attachments (common to the installation screw) are removed, and the attachment of the hanger rod is fixed at the bottom of the box body, which is fixed firmly with the wire rod.
- Indoor optical fiber distribution box adopts hanging wall and the installation, installation dimensions as shown in the planning location marking, drilling Φ (4-6), with 4 M8 x 80

expansion screws and rubber gasket and gasket (accessories) mounting holes on the wall at the bottom of the box body is fixed.

## Optical Fiber Partial Installation

- After cleaning the outer skin of the optical cable, the cable is introduced into the box body by the port of the left side of the box body.
- According to figure 3, the fiber cable is stripped, and the oil on the fiber core is removed, and the fiber core is inserted into the bare fiber protective sleeve.
- Use electrical tape to wrap the armor layer and the core binding site. Be careful not to wrap all the armor layer and reserve the grounding position.
- The fiber cable is fixed on the fixed and grounding device of the cable, and the reinforcing core is fixed on the fixed position in the fixed seat, figure 4.
- Remove an adapter install bar, load the adapter, and then insert the single core tail plug into the corresponding adapter.
- The tail fiber and the open shearing fiber are introduced into the disc around the melting plate.
- At the end of the fiber core, put on the welding protection sleeve, clean, peel and cut the welding parts of the tail fiber and the open strip, then use the welding machine for welding. After the test is qualified, the casing is moved to the melting point for thermal shrinkage protection.
- Each core fiber completes the welding mark record.

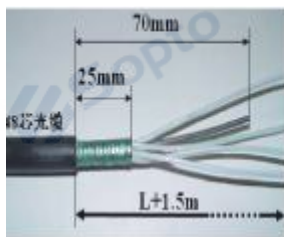


Figure 3

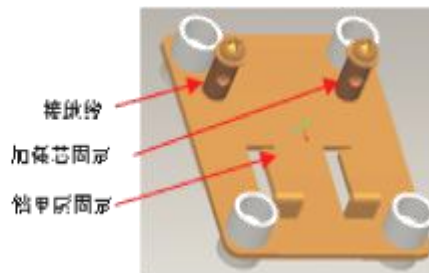


Figure 4

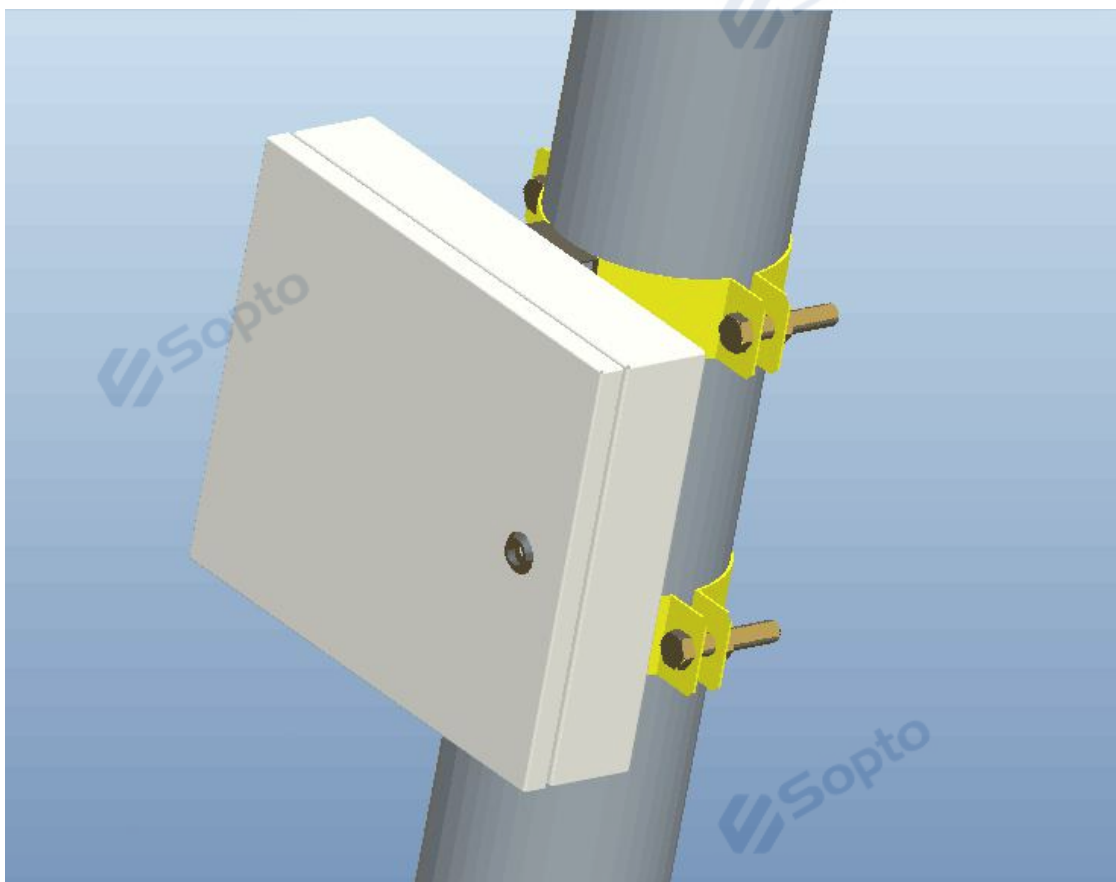
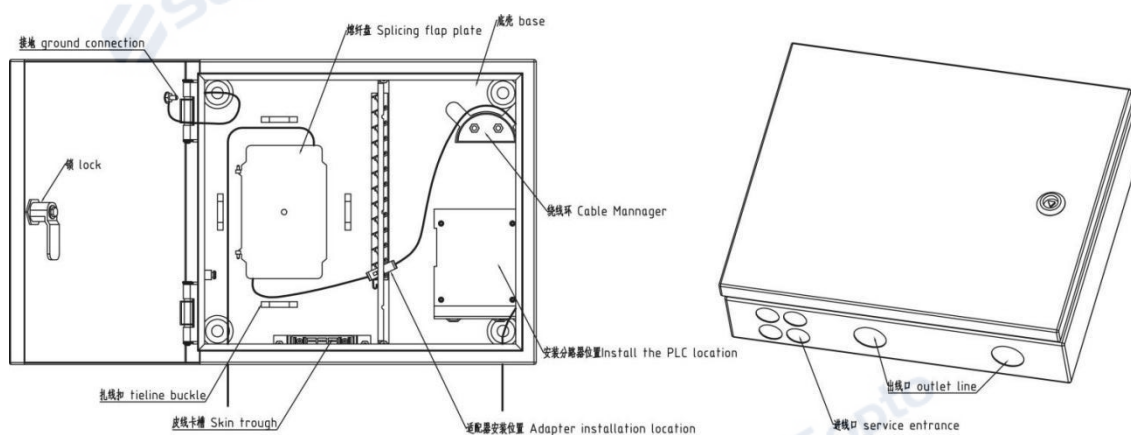
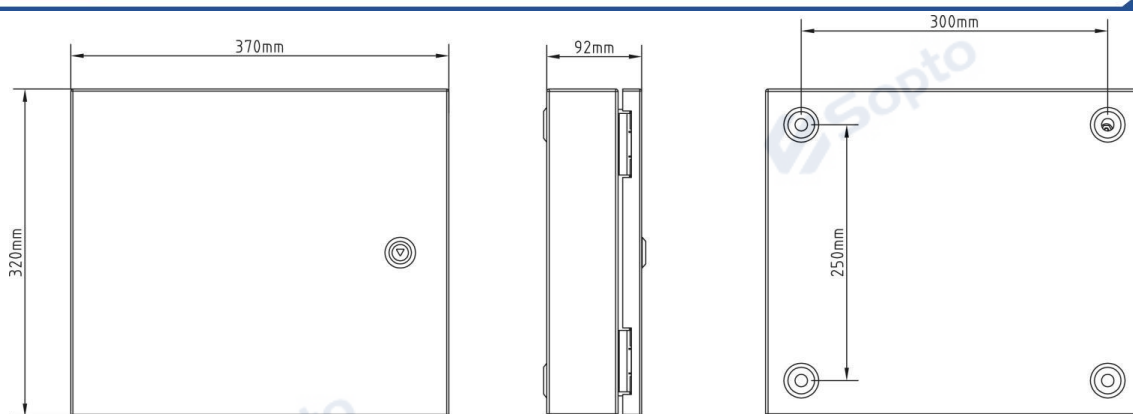
## Typical Model Size & Installation Size

Typical Model Size

370mmx320mmx90mm

Installation Size

250mmx300mm



## Maintenance

- The maintenance of this equipment belongs to general maintenance, and the maintenance cycle is carried out on a monthly basis. It mainly focuses on cleaning and inspection, and it should shorten the period for poor installation environment and dust density.
- Close the door after the installation and maintenance, so as to avoid other things (small animals such as mice) and moisture intrusion.
- When cleaning, special attention should be paid to the protection of the line, especially the optical fiber, to handle gently, to prevent extrusion and folding.
- Check to see the main, do not use the hand or other tools to inspect, turn the pry, knock, so as to prevent the accident that the equipment runs normally.
- Before the thunderstorm season comes and lightning strikes, the reliability of the grounding system of the box should be carefully checked, whether the grounding screw is loose, the rust phenomenon and the corresponding measures should be taken.

## Matters needing attention

- Equipment packaging: this equipment packaging design conforms to the relevant industry standard requirements, the packaging has moisture-proof, shockproof and other measures.
- Transportation equipment: this equipment can adapt to all kinds of transport vehicles, transport process, requirements - 30 °C ~ 55 °C, environment temperature relative humidity is not more than 95%. Above 30 °C awnings, shall be affixed to transport goods should not be rain, soaked, sun exposure. Handling and handling shall be carried out according to the marking of the printing and transportation operation on the package, and shall not be reversed, side placed and reversed.
- Equipment storage: this equipment should be stored in the ventilated and dry storage room of acid-free, alkali and other poisonous gases. Heavy equipment should not be piled up over the other, warehouse should keep the air circulation, temperature of 5 °C ~ + 45 °C, relative humidity is not more than 75% of the range.

## Ordering information

Part Number	Describe	Model Size (mm)
SPDF-I24SCS-WAMA	Splitter Distribution Box Indoor wall mounted 24 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without	370*320*90





	adaptors , pigtails and splitter Metal Single door type A	
SPDF-I36SCS-WAMA	Splitter Distribution Box Indoor wall mounted 36 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type A	420*350*110
SPDF-I48SCS-WAMA	Splitter Distribution Box Indoor wall mounted 48 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type A	420*320*138
SPDF-I72SCS-WAMA	Splitter Distribution Box Indoor wall mounted 72 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type A	460*340*214
SPDF-O24SCS-WAMB	Splitter Distribution Box Outdoor wall mounted 24 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type B	455*405*80
SPDF-O36SCS-PAMD	Splitter Distribution Box Outdoor pole mounted 36 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type D	
SPDF-O48SCS-WAMB	Splitter Distribution Box Outdoor wall mounted 48 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type B	455*405*120
SPDF-O72SCS-WAMB	Splitter Distribution Box Outdoor wall mounted 72 cores Simplex SC/Duplex LC type available for ABS cassette splitter installation without adaptors , pigtails and splitter Metal Single door type B	455*405*150

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