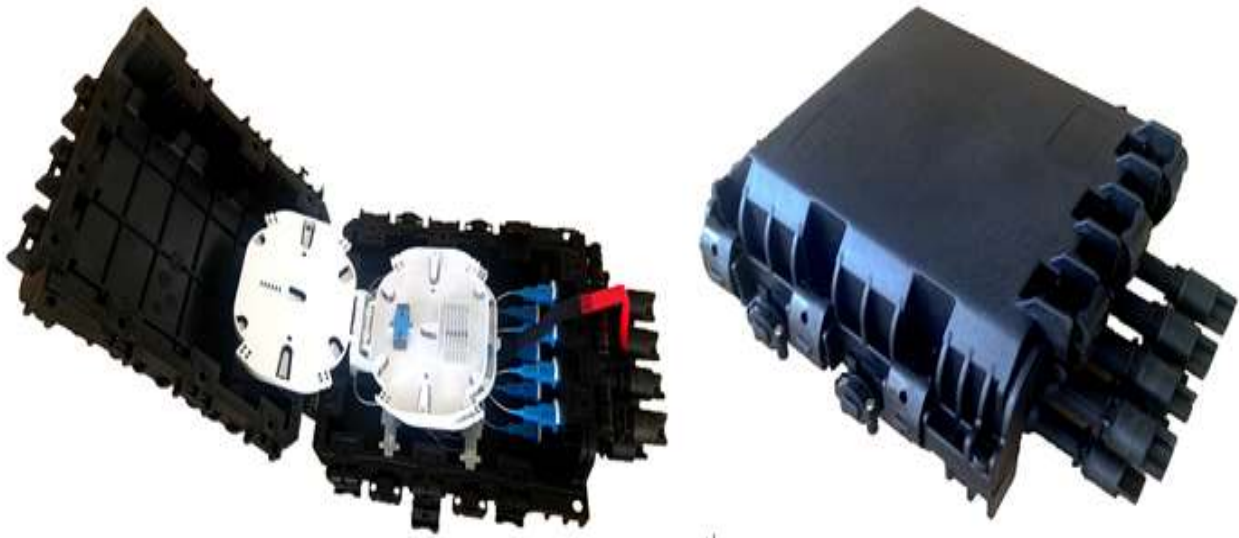


## FE-H31JF4(8)-36C In-line Type Optic Cable Splice Closure



The FE-H31JF4(8)-36C optic splice closure is a quick to install, reliable sealed closure. With engineered plastic, injection-molding, and excellent mechanical strength, it can prevent aging caused by cold, hot, oxygen, UV etc. effectively. With flame retardant materials, waterproof, anti-vibration and anti-impact box, the closure could protect the optic cable joints from tensile, impact, bending, flattening, twisting, and axial compression. All the sealing accessories pass the viscosity and white-ant resistance test. Reliable sealing performance, convenient for repeated use.

Model	Trays	Tray capacity	Max Capacity	Dimension mm (biggest point)	Entry port & Available cable dia.	Raw material
GP01-H31JF4(8)-36C	3	12c	<b>36 c</b>	319*248*125	<b>2 inlets &amp; 2 outlets</b> for $\phi 8$ - $\phi 12$ mm cable. <b>8 pcs</b> SC adapter ports for 8 drop Cable 2*3 mm	Closure body: P.P +GF Tray: ABS
Sealing method			Full Mechanical sealing way, clip type lock		Application	Pole/ wall mounting
Bending Radius			> 40mm		Durability	25 years
Available Splitter			2pcs 1:4/2:4, <b>or</b> 1 piece 1:8/2:8			

### 1. Application:

Widely used to connect or branch the outdoor optic cable fibers in aerial/pole/wall applications. Fully Mechanical sealing and re-open design, available for split with fast connectors without open the closure.

Provide optional valve and earthing rod. Simple inner structured and easy to installation, is the best choice for the network construction.

### 2. Technical Parameter:

Working temperature : -40°C~+65°C。

Atmospheric Pressure : 62—106kPa。

Axial Tension:> 1000N/1min

Stretching Resistance> 2000N/10cm<sup>2</sup> (1min).

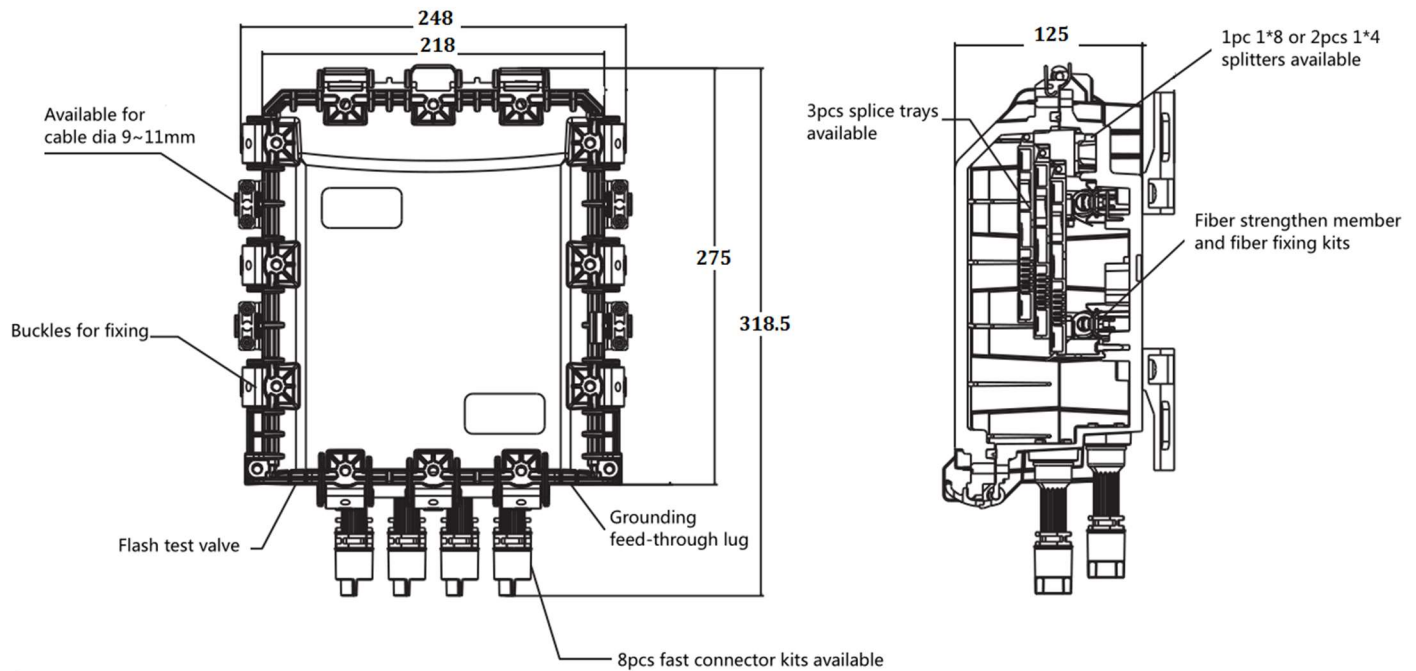
Flatten Pressure: > 2000N/100mm(1min)

Insulation Resistance: > 2 × 10<sup>4</sup>MΩ

Voltage Strength : 15KV (DC) /1min, no arcover or breakdown

Temperature Cycle : -40°C~+65°C, with inner pressure 60(+5) Kpa, cycle:10times, the decrease of pressure can't exceed 5Kpa at room temperature.

### 3. Exterior Structure Diagram

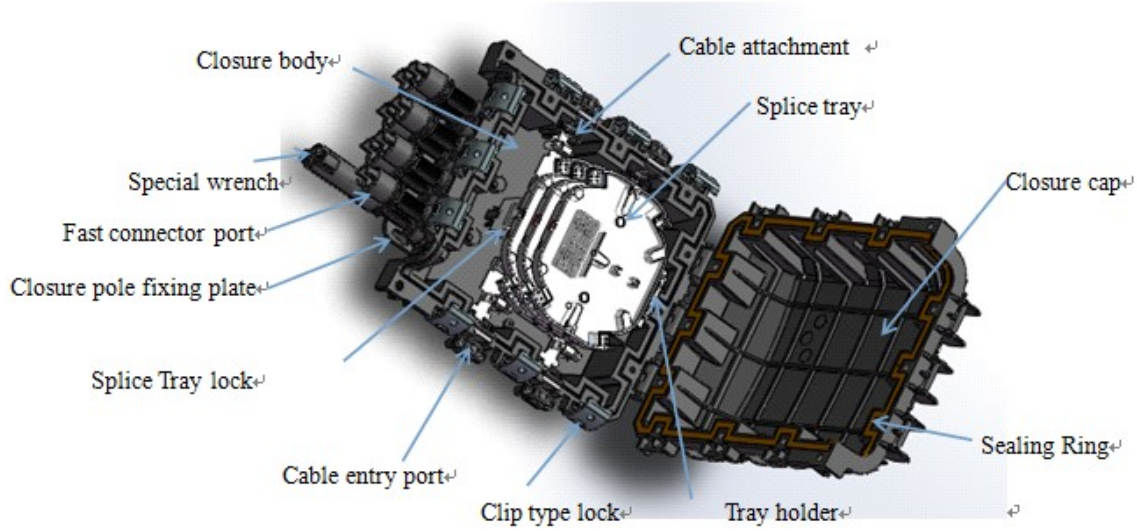


#### 4. Accessories Details

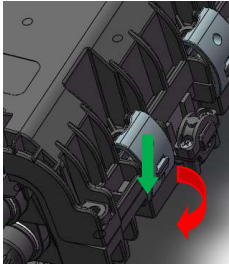
Item	picture	amount	Item	picture	amount
Special wrench		1pc	Cable ports seal rubber	 (2size)	Total 8 pcs
Fiber joints protective tube		Max. 36 pcs	Shield continuity wire		Total 2pcs
Hose clamp		Total 4pcs	PE transparent bare fiber protective tube		1bag
Number sticker		Base on splice capacity	Wall/pole mounting kits		1 bag
Cleaning tissue		2 bags	Fast connector ports		Total 8 pcs
Allen key		1 pc			

## 5. Installation Steps:

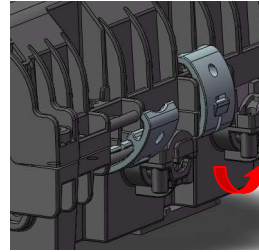
### 5.1 Construction



#### 5.1.1 Open the closure

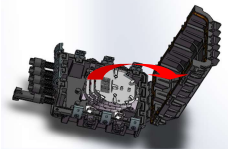


1. Open : Put your finger into the green arrow place, open it like showing in the red arrow direction. (you can use the help of a small screwdriver)



2. Close : close the closure, lock the clip in the red arrow direction. (you can use the help of a small screwdriver)

### 5.1.2 Closure cap fixing tips



1. Open the closure: Open the closure cap in the direction of the red arrow, and release the red-black Velcro tape.



2. Fix the closure cap : Turn the following the red arrow, and clip it into the closure body.

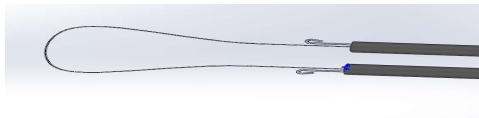


3. Release the closure cap: The closure opens to 120°. To release the closure cap, you turn the clip into the opposite direction shown in step 2.

### 5.1.3 Remove the sheath of cable (Uncut cable or Cut cable)

#### Cable Sheath Opening

(Uncut cable)



Remove the cable sheath, clean it, spare 2.5-2.8 m optic fibers and 60-70mm cable strength member. Use pincer pliers to bend the cable strength member into a hook shape.



3. After putting the cable into the closure entry port, cut in the middle of the fibers to fuse



4. Put the transparent bare cable protective tube through the optic fiber and wrap the PVC tape on the joints of bare cable tube and cable sheath.

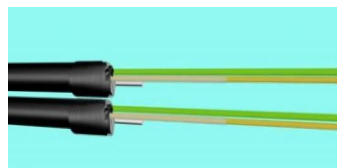
#### Cable Sheath Opening

(Cut cable)



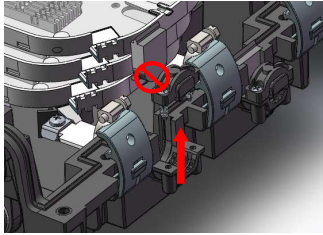
2. Remove the sheath of the cable, clean it, spare 1.1-1.6 m optic fibers and 60-70mm cable strength member.

3. Use pincer pliers to bend the cable strength member into a hook shape

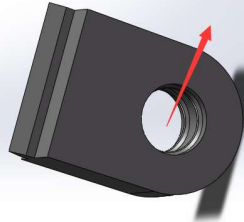


4. Put the transparent bare cable protective tube through the optic fiber and wrap the PVC tape on the joints of bare cable tube and cable sheath.

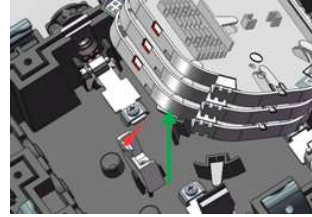
#### 5.1.4 Guide the cable into the closure



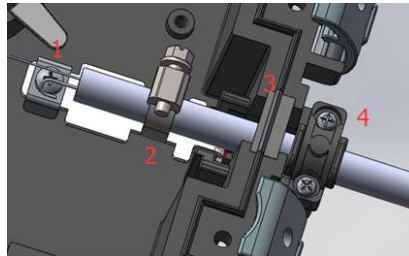
1. Loosen the screw and take off the cable clip. Take out the entry port blocker



2. Cut the cable sealing plug at the red lined place and direction.

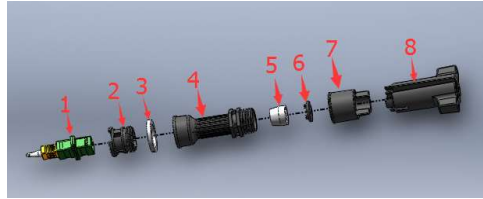


3. Open the splice tray lock in the direction of the red arrow, and uplift the tray like in the green arrow direction.



4. Put the cable strengthen wire into the attach screw, tighten the screw to fix the wire. Tighten the hose clamp to fix the cable. Put the cable through the sealing plug from the cut place, and fix them into the entry port groove. Adjust to proper place. Then put on the cable clip and tighten the screw.

### 5.1.5 Fast Connector Ports Guidance

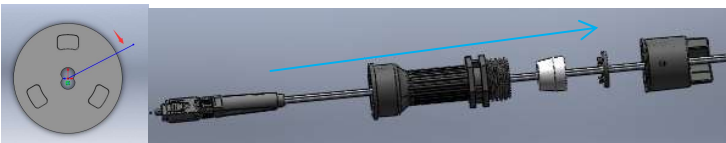


**Accessories Name :**

1.Adapter SCAPC, 2. Adapter pedestal, 3. sealing gasket, 4. Fast connector holder 5. Drop cable sealing plug, 6. Anti-rotating gasket, 7. locknut, 8. Special wrench ;

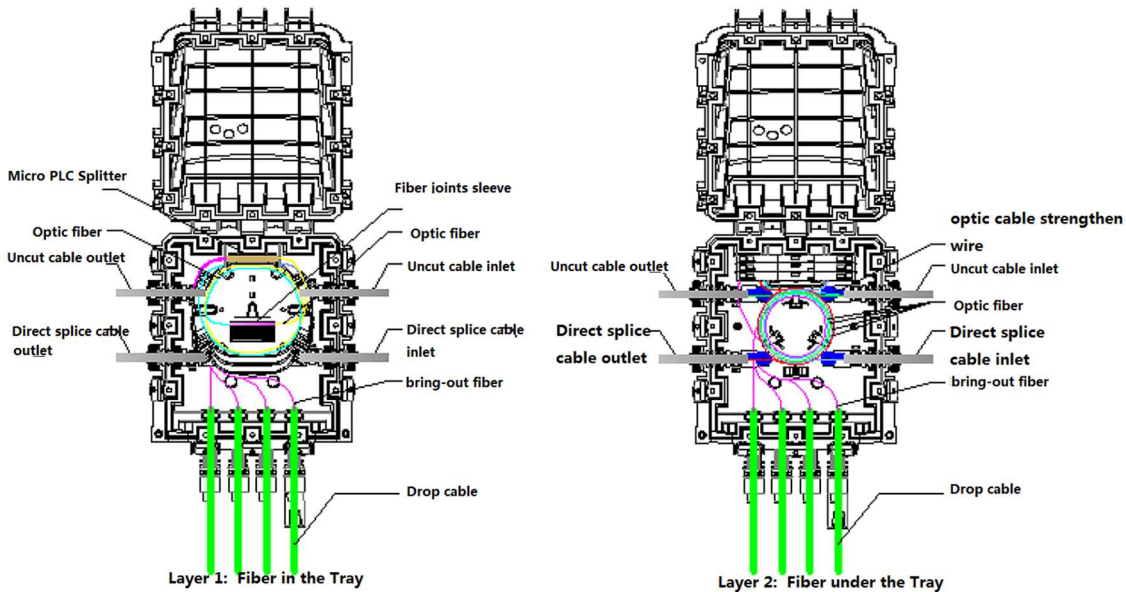
**Note:** Adapter shall be with metal spring clip. And after adapter put in the pedestal cannot easily take out.

**Fast connector installation instructions :**



- 1) Cut the drop cable sealing plug at the blue lined place.
- 2) Put the drop cable through those accessories orderly in the direction of the blue arrow.
- 3) Plug the fast connector into the adapter (installed in the closure entry port), screw up the connector holder, insert the drop cable sealing plug into the holder, and put the anti-rotating gasket properly into the right place. Then tighten with the special wrench.

## 5.2 FE-H31JF4(8)-36C fiber routing diagrams



### Fiber routing :

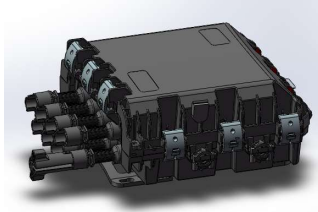
Wind the excessive fiber in the splice tray: Wind the fibers in cycles in at less 80mm dia. the 1<sup>st</sup> cycle of fiber is normally on the edge of the tray, put them in the tray together with the fiber joints sleeve. First, put the fiber coil in the splice cassette, then adjust the fiber cycles to proper dia. And put on the tray lid.

### Excessive loose tube storage:

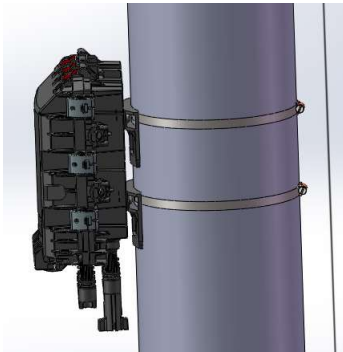
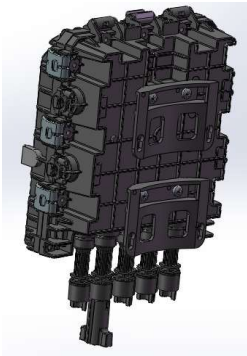
Accommodate the excess loose tube in the fiber entry groove, wind the fibers around the storage plate under the bottom splice tray. After finishing to store the fibers, bind it with nylon tie to the plate. (fiber cycle diameter > 80 mm)



### 5.3 Closure installation :



After splicing cables, clean the closure, put the extra bundles and bare fiber protective tube into the storage space as reserve for future use.



#### 1) Wall mounting:

Drawing a 100mm (horizontal) \*110mm (vertical) square and drive in 4 pcs expansion screws at the 4 point. Meanwhile screw up the wall mounting kits on the closure. Then hang the closure on the expansion screws.

#### 2) Pole mounting

Screw up the wall mounting kits on the closure and put on the hose clamp. Tighten the hose clamp to fix it on the pole.