

## Terminal Aerial Drop Closures IFO "H" Series

The IP68 Rated Terminal Drop Closure is a compact gel gasketed patch and splice enclosure for use in harsh environments.

The panel supports up to 16 fibers and is ideal for FTTH.



### Features

- Compact and space efficient design
- Black UV resistant PP material
- Gel gasket and cable plugs support IP68 rating
- Support for 1x16 splitter
- Slot on back for polemounting support
- Cable tie down points for all entry and exit cables
- Lid latches support easy enclosure entry

### Specifications

#### General Specifications

Dimensions (Inches)	9.9 x 8.3 x 2.8 (HxWxD)
Patch Only or Pre-term Fiber Capacity	16 (LC) or 8 (SC)
Patch & Splice Fiber Capacity	8 (SC or LC)
Cable Entry	(2) 14mm and (8) 3mm
Material	Black Polypropylene
Weight (Empty) (lbs)	1.5

#### IP68 Rated

Dust Tight	Dust tight without the need for extra covers
Water Resistant	Can withstand 1.5 meters of water for 30 minutes

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## Strand Mounting Support

Galvanized steel lashing clamps are available to secure the enclosure to a strand



## Splicing Support

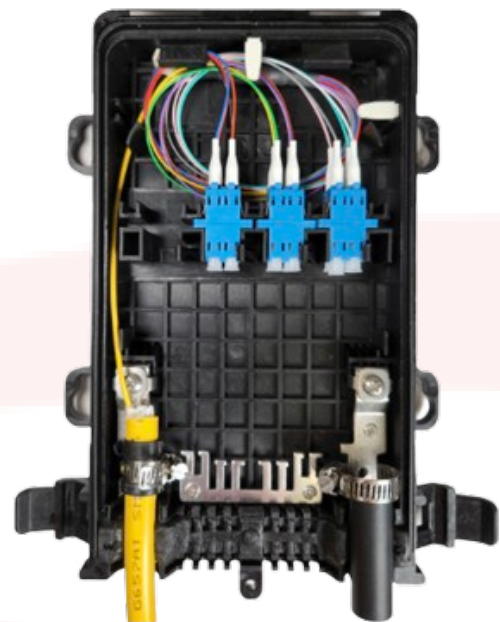
The splice tray is housed in the lid, supports up to 8 splices, and fits a 1x16 splitter



## Example Configurations



Pre-Term with 2mm Fiber



Pre-Term with 900um Fiber

# Terminal Aerial Drop Closures Technical Specification

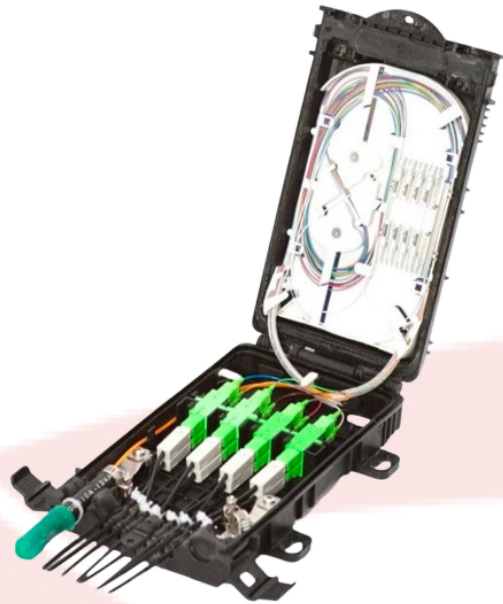
## 1. Overview



Optical fiber cable distribution box is a wiring line device of user distributions in FTTH system, it provides protection and management for fiber cable, and be used for terminating, cable branching, cross connection. It is mainly used for user access point in FTTH-ODN network , it can be divided into indoor and outdoor type according to the installation scenario, and can be divided into distribution type and optic-split type according to the function. FTT-H08 is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system.

The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for FTTx network building.

## 2. For The Environment



- Operating temperature:-40°C~+65°C
- Relative humidity:≤85% (+30°C)
- Atmospheric pressure:70Kpa~106Kpa
- Protection class:IP67

## 3. Standards Comply

The following clauses quoted by this standard and become the standard clause. For dated references, subsequent amendments (excluding Corrigendum contents) or revisions do not apply to this standard, however, encourage the latest version of this specification according to the parties reach an agreement to study the possibility of using these files. The cited document without date, apply to the latest version of this specification. UL 94, Test for Flammability of Plastic Materials for Parts in Devices and Appliances YD/T 2150-2010 Optical fiber cable distribution box.

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## 4. Main Features

- Made of high quality engineer plastic material (PP), Good mechanical strength, Elegant appearance, sturdiness and durability.
- Suitable for indoor or outdoor , wall-mounted , pole installation.
- Built-in Stacked splice tray, easy for open, the splice tray can be taken down, easy for installation and maintenance.
- Fiber routing is reasonable.
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.

## 5. Main Specification

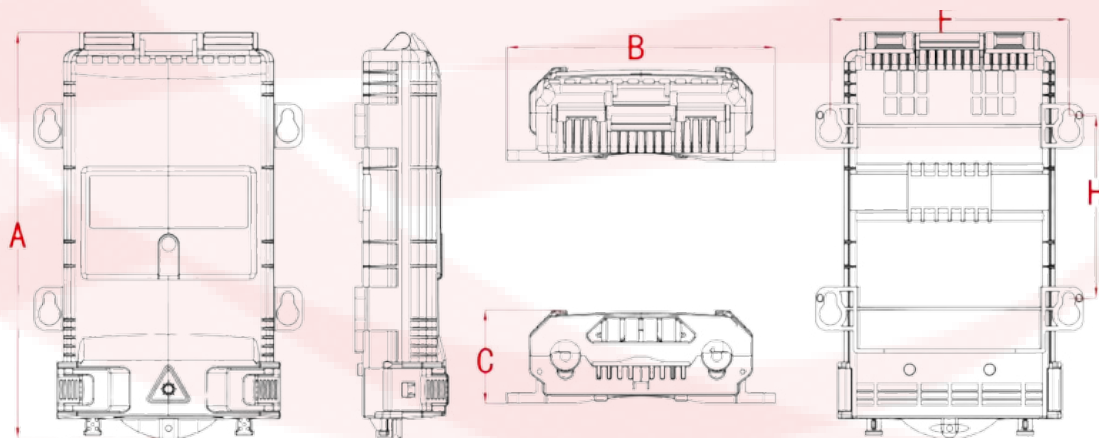
- Insertion loss:  $\leq 0.2\text{dB}$
- UPC return loss:  $\geq 50\text{dB}$
- APC return loss:  $\geq 60\text{dB}$
- Thunder-proof technical datasheet

The insulation resistance between the grounding device and the metal parts of the box is no less than  $2 \times 10^4 \text{M}\Omega/500\text{V}$  (DC)  $IR \geq 2 \times 10^4 \text{M}\Omega/500\text{V}$ .

The voltage resistance between the grounding device, and the box and its metal parts is no less than  $3000\text{V}$  (DC)/min, no puncture, no flashover;  $U \geq 3000\text{V}$

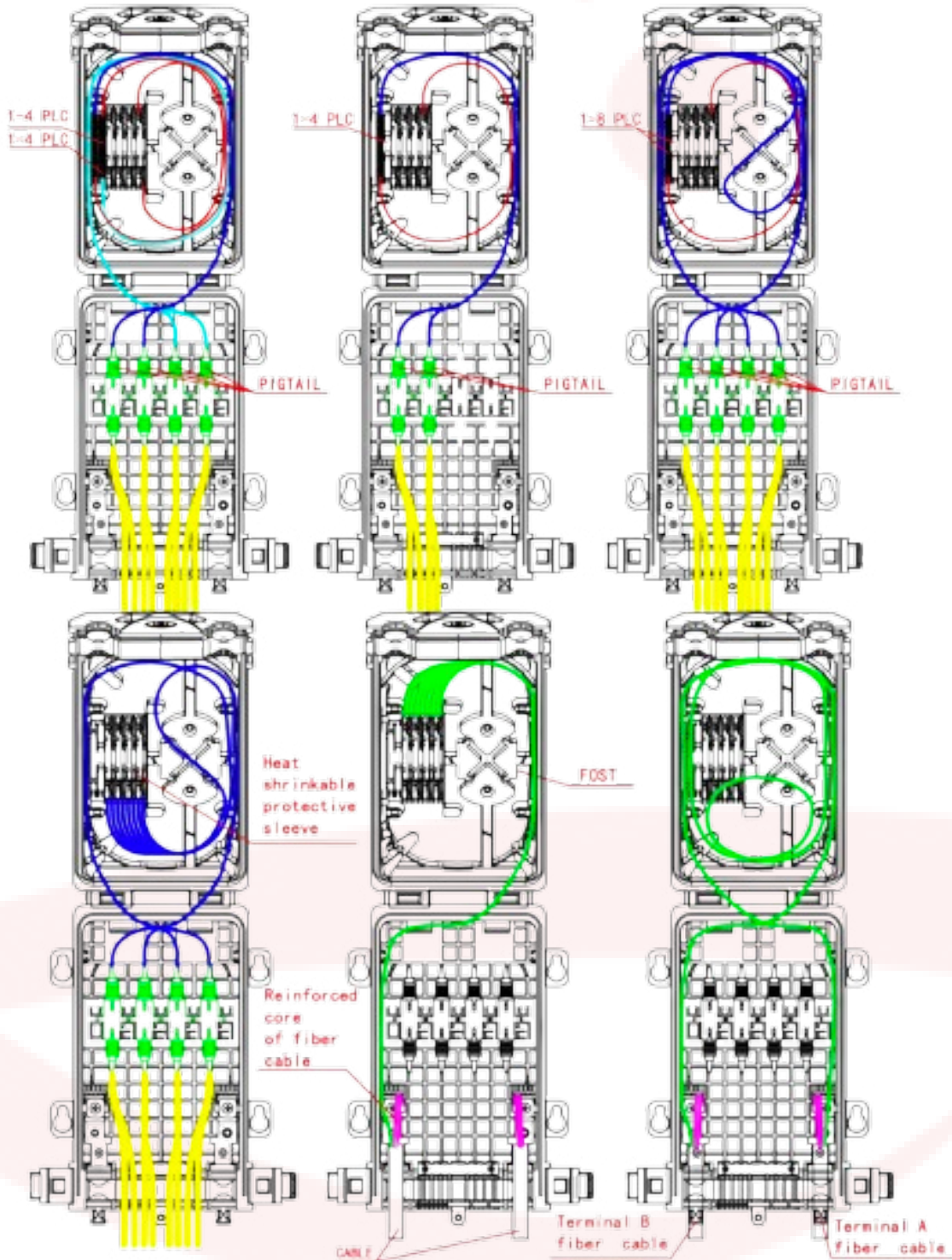
## 6. Configuration table

Part Number	Size (Pic 1) AxBxC(mm)	Max Capacity	Derrick installation size FxH(mm)	Into the largest cable diameter(mm)
IFW-HST-16-LCU or IFW-HST-8-SCU	220x153x52	16(LC/UPC ) or 8(SC/UPC)	136x104	16



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## 7. Fiber Routing Diagram



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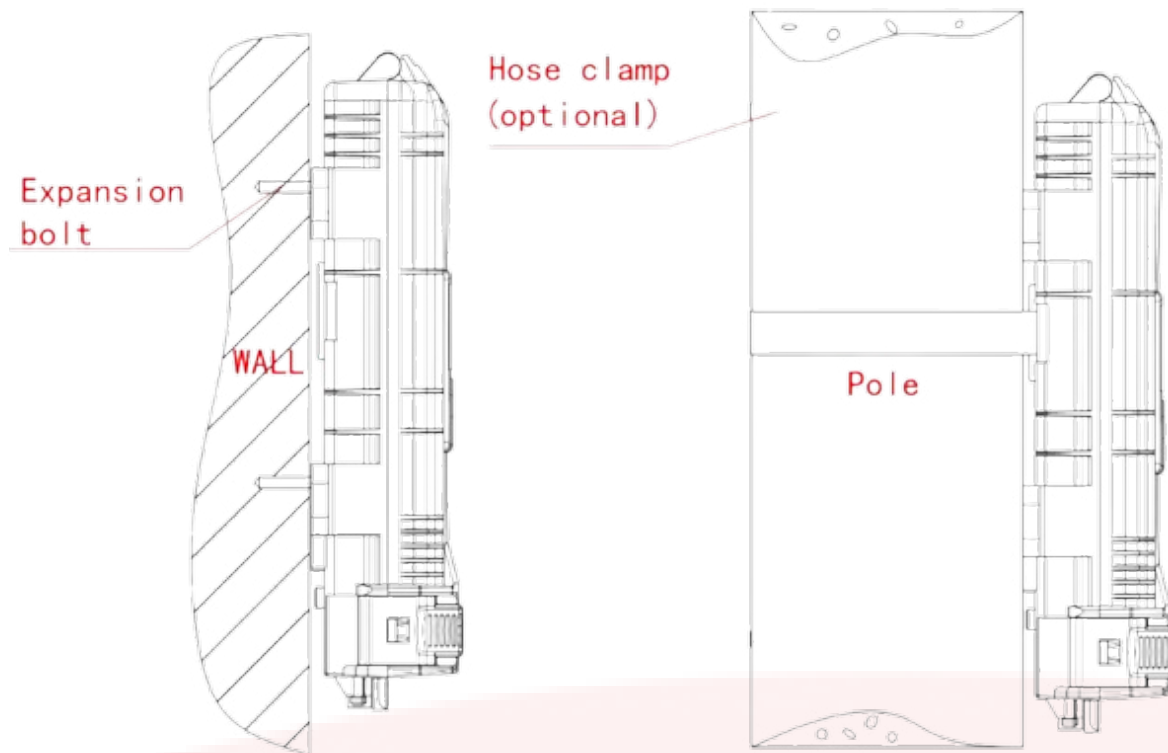
## 8. Installation

### a. Wall-mounted Installation

Drill 4 holes into the wall based on the size in table 1, place the expansion bolt  $\Phi 7.5 \times 40$ , place the box to match up the holes and use bolt to fasten.

### b. Pole-mounted Installation

Fix 1 set of the pole ring to the telecom pole, as below.



## 9. Packing

- Packing: carton
- Storage temperature:  $-20\text{ }^{\circ}\text{C} \sim +65\text{ }^{\circ}\text{C}$
- Storage humidity:  $\leq 95\%$  ( $30\text{ }^{\circ}\text{C}$ ), no corrosive gases around;
- Transport: cars, trains, ships and aircraft
- Transportation to avoid collisions, falls, rain and snow poured directly attack and daylight exposure.