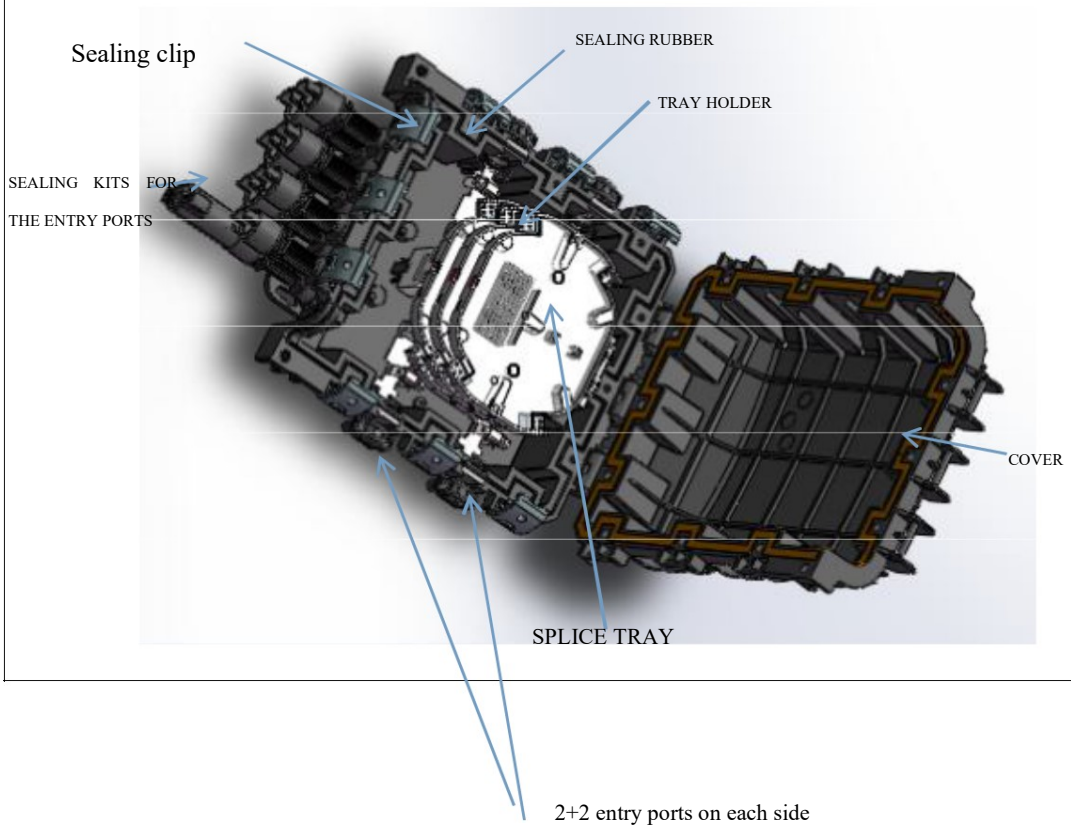
# FE-H31JF4(8)-36C type fiber optic splitter enclosure

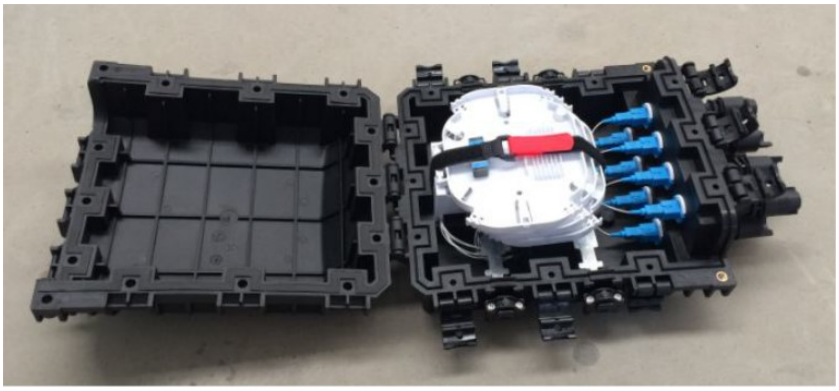
## 1. INTRODUCTION

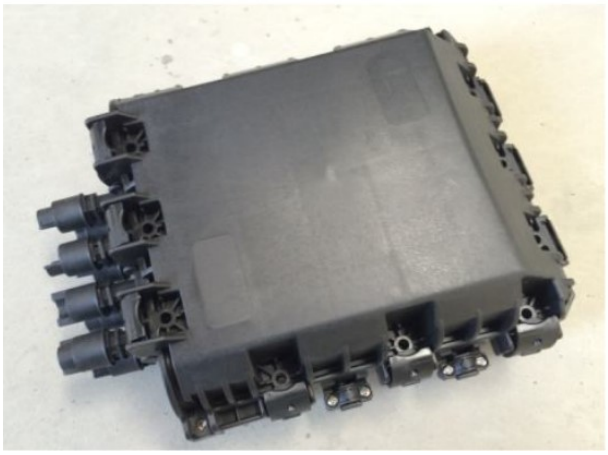
**H31** provides efficient cable connections between outside feeder cable and drop cable in front of FTTX service subscribers. **H31** integrates fiber splicing, storage, cable connections and drop to the subscriber line in the closure. It has separated areas for splicing and connectivity. The reason for this separation is to facilitate change without addressing feeder cable line or compromising the splice area.

GP01-H31JF4(8)-36C



## 2. PICTURES



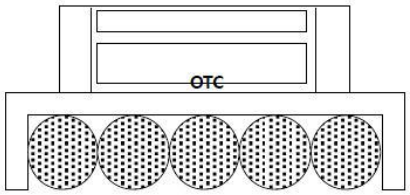


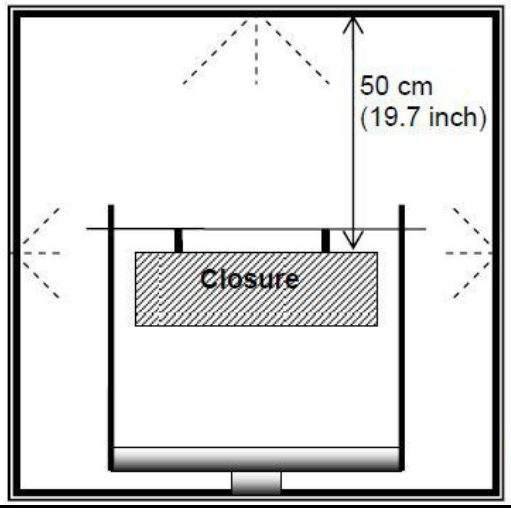
## 3. SPECIFICATION

| **Parameter** | | | |
|---|---|---|---|
| **General** | Size (W x D x H) | 329.5*248*144.5 | |
| | Installation | Aerial & Poll mounting | Applicable temperature: -40℃～+90℃ |
| | Protection Grade | IP 66 | |
| **Ports** | Cable Entry | Main + Distribution: 2+2<br>Drop (or Patch): 8 | |
| | Cable diameter (mm) | Main + Distribution: Φ 7~12<br>Drop (or Patch): 3mm | |
| **Capacity** | Capacity of core | 36 cores | |
| **Splice tray** | 3 trays | Max. 12 fibers/ tray | Fiber radius of curvature: ≥37.5mm |
| **Adaptor** | 8 sets SC adapters max. | | |
| **Splitter** | 1 set 1;16 splitter or 1 set 1:8 splitter or 1 set 1:4 splitter | | |

**4 TEST REPORT**

4.1 Vibration test

| **Items** | | |
|---|---|---|
| **Test Procedure** | 1. Fix the fiber distribution panel on the vibration tester<br>2. Vibrate for 1hours with amplitude 1mm, frequency 10-55-10Hz In 10minutes<br>3. Check the mechanical damage | |
| **Requirements** | There should be no cracks, fractures and disconnection. | |
| **Test Assembly** | [Test Equipment]<br>Vibration Tester→ HI-5050<br>  <br>Vibration table | |
| **Test Result** | 1. Cracks/fracture/disconnection | None |
| | 2. Mechanical damage | None |
| **Judgment** | Complied | |
| **Test Procedure** | 1. Put fiber distribution panel in the tester.<br>Thermal cycle: -40 → 0 → 70(relative humidity 80%)<br>2. (Maintaining 2hr<br>at each Temp.)<br>3. Temp. rising/falling: 1 ℃/min<br>4. 10 cycling tests (17hr 12min)<br>5. Check corrosion and mechanical damage. | |
| **Requirements** | 1. There should be no corrosion<br>2. There should be no mechanical damage. | |
| **Test Result** | 1.Crossion | None |
| | 2. Mechanical damage | None |

| | | |
|---|---|---|
| **Test Procedure** | Direct the wind horizontally through the water spray such that<br>1. it impacts the closure on the side.<br><br>2. Expose each surface of the closure during 30min.<br>·Rainfall rate: 15cm/hr. (5.8inchs/hr.)<br>·Droplet size: 0.4 ~ 4.5mm (0.016~0.178 inch)<br>·Wind velocity: 31m/s (70mile/h)<br>·Closure Temperatures: At least 10℃ greater than the water temperature prior to spraying | |
| **Requirements** | 1. No presence of water ingress<br>2. There should be no mechanical damage. | |
| **Test Assembly** |  <br>Rainmaking Tester | |
| **Test Result** | **Judgment** | **PASS** |

## 5. KIT CONTENT

| | | | |
|---|---|---|---|
| 1 | Closure body | Cover/middle part/base | 1 set |
| 2 | Splice tray | Splice tray | 1 set |
| 4 | Mounting kits | Mounting kits (Standard kits) | 1 set |
| | | Wall mounting kits (optional) | 1 set |
| 4 | Splice kit bag | Fiber splice tube | 24 pcs |
| | | Cable tie | 2 pcs |
| 5 | Main cable fixing accessories | Sand paper0# | 1 pc |
| | | M4X10 screws | 12 pcs |
| 7 | Self-sealing tape | Self-sealing tape | 1 roll |
| 8 | Sealing rubbers | Sealing rubbers | 4 sets |