

# Technical Specification Fiber Optic Splice Closure

## HTSC-150C

| Customer Approval |      |           |      |
|-------------------|------|-----------|------|
|                   | Name | Signature | Date |
| Approved by       |      |           |      |

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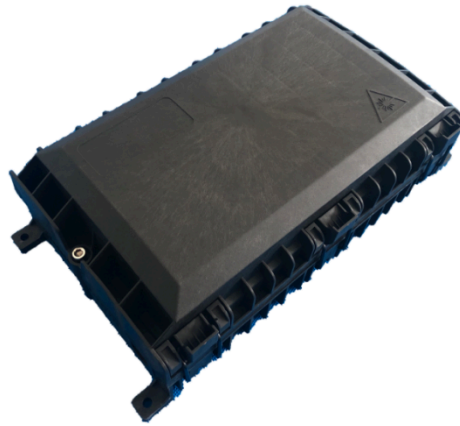
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## 1. General

### 1.1 Description

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

| Production type | Classification                     |
|-----------------|------------------------------------|
| HTSC-150C       | Fiber optic cable distribution box |



Appearance of HTSC-150C

### 1.2 Standards Comply

The product is designed, manufactured and tested according to the standards as follows:

|            |  |
|------------|--|
| ITU-T L.13 | Performance requirements for passive optical nodes: Sealed closures for outdoor environments |
|------------|--|

### 1.3 Applications Environment

| Item                     | Value           |
|--------------------------|-----------------|
| Operation temperature    | -40 °C ~ +65 °C |
| Installation temperature | -15 °C ~ +40 °C |
| Storage temperature      | -45 °C ~ +75 °C |

## 2. Characteristics

May be used for cut, uncut and taut sheath applications.

May be used for all fiber optic cable.

Sheath retention & central strength member fasten system included.

Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack

Installation and reentry with a minimum of tools

Re-enterable and reusable

All hardware are included

RoHS compliance

## 3. Specifications

### 3.1 Mechanical specifications


| Item                                   | Specifications                       | Note |
|--|--------------------------------------|------|
| Material of housing                    | High-strength PP+GF                  |      |
| Material of internal components        | High-strength ABS                    |      |
| Material of metal accessory            | High-quality stainless steel         |      |
| External dimension(mm)                 | 352*200*101                          |      |
| Color                                  | Black                                |      |
| Number of distribution cable ports     | 3                                    |      |
| Number of drop cable ports             | 16                                   |      |
| 3 Main Cable Ports                     | for cables with max diameter<br>13mm |      |
| Fiber cable dimension of drop port(mm) | 2*3MM                                |      |
| Capacity(Max)                          | 24 Splices                           |      |
| Max quantity splitter                  | 1x8,1x16 PLC splitter                |      |
| simplex adaptors                       | 16                                   |      |

### 3.2 Optical specifications





| Item               | Test Method                 | Specification  | Note |
|--------------------|-----------------------------|--|------|
| Insertion loss(dB) | IEC61300-3-4-Method B       | Mean $\leq$ 0.1dB · Maximum $\leq$ 0.3dB   |      |
| Return loss(dB)    | IEC61300-3-6-Method 1       | APC $\geq$ 60dB · UPC $\geq$ 50dB  |      |
| Random connection  | IEC61300-3-4                | Mean $\leq$ 0.15dB · Maximum $\leq$ 0.3dB  |      |
| Splitter           |                             | Refer to insert type splitter technical specification  |      |
| Repeatability      | IEC 61300-2-2<br>500 cycles | During the test the difference between the initial measurement and each of the measurements after one cycle must be less than 0.20 dB, and should be cleaned otherwise, with a limit of 25 cleanings |      |




**4. Configuration**

## 4.1 Optical splice trays

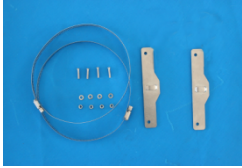

| No | Model | Pic   | Capacity     | Note |
|----|-------|---|--------------|------|
| 1  | T088A |  | 24F(2 layer) |      |

## 4.2 Accessory section

| No. | Name                              | Reference picture   | Quantity | Remark   |
|-----|-----------------------------------|---|----------|--|
| 1   | Heat-shrinkable protection sleeve |   | 1 bag    | L=45mm ( T088A )                                       |
| 2   | Nylon cable tie                   |   | 12 pcs   | L=120mm  |
| 3   | Buffer tube for bunchy fiber      |  | n pcs    | Each piece:<br>OD=4.5mm, L=50cm<br>QTY: n=trays number |
| 4   | Installation tape                 |  | 1 roll   |  |
| 5   | Hose hoops                        |  | 3 pcs    |  |

|   |                     |   |         |         |
|---|---------------------|---|---------|---------|
| 6 | Sealing tape        |  | 1 rolls | Black   |
| 7 | Special wrench      |  | 1set    |         |
| 8 | Installation manual |  | 1pc     | English |

#### 4.3 Optional Accessories

| No. | Name              | Model | Reference picture  | Quantity | Remark |
|-----|-------------------|-------|--|----------|--------|
| 1   | Pole-mounting kit | BZ09  |   | 1 set    |        |
| 2   | Wall-mounting kit |       |  | 1 set    |        |

## 5. Product Picture



HTSC-150C product picture

## 6. Package

Standard

Double corrugated carton, 680\*375\*580 mm, 10 in carton, about 16 Kg.