

Technical Specification  
**Fiber Optic Splice Closure**  
**HTSC-242R**

| <b>Customer Approval</b> |             |                  |             |
|--------------------------|-------------|------------------|-------------|
|                          | <b>Name</b> | <b>Signature</b> | <b>Date</b> |
| <b>Approved by</b>       |             |                  |             |

---

# Contents

|                              |   |
|------------------------------|---|
| 1. General                   | 2 |
| 1.1 Description              | 2 |
| 1.2 Standards Comply         | 2 |
| 1.3 Applications Environment | 2 |
| 2. Characteristics           | 3 |
| 3. Specifications            | 3 |
| 4. Product Picture           | 4 |
| 5. Configuration             | 4 |
| 5.1 Optical splice trays     | 4 |
| 5.2 Standard Accessories     | 5 |
| 5.3 Optional Accessories     | 6 |
| 6. Package                   | 6 |

**1. General**

1.1 Description

Fiber optic splice closure is mainly applicable to the straight-through and branching of aerial cables, buried cables and duct cables, as well as the protection on cables joints.

| Production type | Classification                         |
|-----------------|--|
| HTSC-242R       | Fiber optic splice closure (dome type) |



Appearance of HTSC-242R

1.2 Standards Comply

|          |  |
|----------|--|
| ITU 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 |

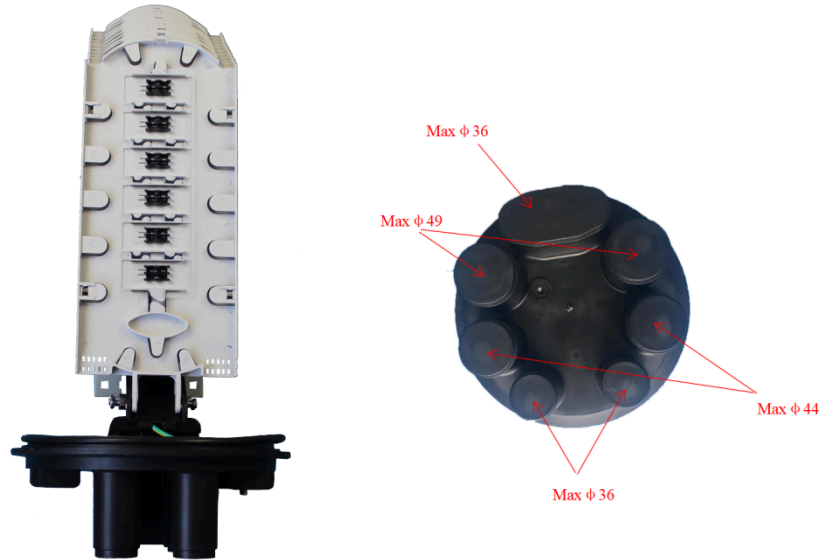
## 2. Characteristics

1. Dome mechanical sealing with advanced internal structure design.
2. High performance plastic, suitable for outdoor use, good weather resistant and UV resistance.
3. Efficiently structure installation design save time when assembling.
4. Easy for re-enter, easy for maintaining.
5. With oval input port, pass through route with branch is compatible.
6. IP rate: IP68
7. Pole-mounted, aerial-mounted, wall-mounted, hand hole-mounted are appropriate.

## 3. 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)                   | 576* $\phi$ 285              |   |
| Color                                    | Black                        |   |
| Number of ports                          | 1 oval port<br>6 round ports |   |
| Fiber cable diameter of oval port (mm)   | Max 36mm                     |   |
| Fiber cable dimension of round port (mm) | Max 49mm                     |   |
| Sealing type                             | Mechanical sealing           |   |
| IP grade                                 | IP68                         |   |
| Splicing capacity(Max) ( T030B )         | 12x144F=1728F(12F Ribbon)    | Splice tray type and quantity can be optional as customer's request |

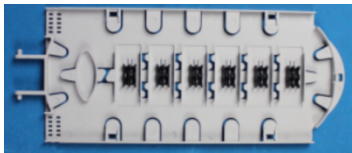
**4. Product Picture**




HTSC-242R product picture

**5. Configuration**

5.1 Optical splice trays






| No | Model | Pic   | Capacity | Quantity |
|----|-------|---|----------|----------|
|    |       |  |          |          |

5.2 Standard Accessories

| No. | Name                              | Reference picture   | Quantity | Remark   |
|-----|-----------------------------------|---|----------|--|
| 1   | Heat-shrinkable protection sleeve |    | 1 bag    | L=40mm ( T030B )                                       |
| 2   | Nylon cable tie                   |    | 16 pcs   | L=120mm  |
| 3   | Branch clip                       |    | 1 rolls  | Black  |
| 4   | Installation tape                 |   | 1 roll   | black  |
| 5   | Buffer tube for bunchy fiber      |  | n pcs    | Each piece:<br>OD=4.5mm, L=50cm<br>QTY: n=trays number |
| 6   | Sand paper                        |  | 4 pc     | 2.5cm*27cm   |
| 7   | Aluminum foil                     |  | 4 pc     | 10cm*25cm  |
| 8   | Heat shrink tube(Oval port)       |  | 1 pc     | Φ100x150mm   |
| 9   | Heat shrink tube(Round port)      |  | 2 pc     | Φ65x150mm  |
| 10  | Heat shrink tube(Round port)      |  | 2 pc     | Φ60x150mm  |
| 11  | Heat shrink tube(Round port)      |  | 2 pc     | Φ50x150mm  |

|    |                     |   |       |         |
|----|---------------------|---|-------|---------|
| 12 | Installation manual |  | 1pc   | English |
| 13 | Desiccant           |  | 2 bag | 5g/bag  |

### 5.3 Optional Accessories

| No. | Name                     | Model | Reference picture  | Quantity | Remark |
|-----|--------------------------|-------|--|----------|--------|
| 1   | Pressure testing valve   |       |    | 1pc      |        |
| 2   | Earthing deriving device |       |   | 1pc      |        |
| 3   | Aerial-mounting kit      | JK05  |  | 1 set    |        |
| 4   | Pole-mounting kit        | BZ25  |  | 1 set    |        |
| 5   | Wall-mounting kit        | GB19  |  | 1 set    |        |

### 6. Package

Standard Double corrugated carton, 650\*330\*660 mm, 2 in carton, about 17Kg.