# Technical Specification

# Fiber Optic Splice Closure

# HTSC-P306-32SC

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

# Contents

## 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 cable joints.

| Production type | Classification |
|---|---|
| HTSC-P306-32SC | Fiber optic splice closure (dome type) |



Appearance of HTSC-P306-32SC

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 ºC ~ +65 ºC |
| Installation temperature | -15 ºC ~ +40 ºC |
| Storage temperature | -45 ºC ~ +75 ºC |

**2. Characteristics**

    1. Dome mechanical sealing with advanced internal structure design.

    2. Efficiently structure installation design save time when assembling.

    3. Tool free to re-enter, easy for maintaining.

    4. Slide-in-lock design splice tray, to make opening angle about 90°

    5. With oval input port, pass through route with branch is compatible.

    6. Innovative elastic seal fitting.

    7. IP68 protection can be offered.

    8. Suitable for bunchy and ribbon fibers.

    9. Aerial, underground, wall-mounting, hand hole-mounting pole-mounting and duct-mounting 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) | Φ230*450 | |
| Color | Black | |
| Number of ports | 1 large port , 4 round ports | |
| Fiber cable diameter of large port (mm) | Φ8~Φ16mm | |
| Fiber cable dimension of round port (mm) | Φ6~Φ17.5mm | |
| Sealing type | Mechanical | |
| IP grade | IP68 | |
| Compatibility split ratio splitter | 1:2, 1:4, 1:8 | |
| Max quantity of splitter | 1 for each splice tray | |
| simplex adaptors | 32 | |
| Splicing capacity(Max) （T010A） | 2x24=48 | Optional as request |
| Splicing capacity(Max) （T011A） | 3x24=72 | |
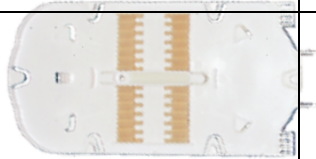
**4. Product Picture**



HTSC-P306-32SC  product picture

**5. Configuration**

5.1 Optical splice trays

| No | Model | Pic | Capacity | Note |
|---|---|---|---|---|
| 1 | T010A |  | 24F(2 layer) | |
| 2 | T011A |  | 24F(1 layer) | |
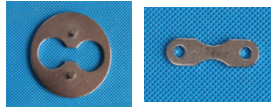
5.2 Optional Rubber Plug for Round Port

| No | Moudel | Pic | Specification | Note |
|---|---|---|---|---|
| 1 | DT04-A | | 9holes, 2*5mm | |
| 2 | DT04-B | | 9holes, Φ3mm | |
| 3 | DT04-C | | 4holes, Φ5.3mm | |
| 4 | DT04-D | | 9holes, 2*5mm | |
| 5 | DT04-H | | Big hole,Φ17.5mm Small hole,Φ10mm | |
| 6 | DT04-I | | Big hole,Φ17.5mm Small hole,Φ13mm | |

| 7 | DT04-J |  | 12holes, 2*3mm | |
|---|---|---|---|---|
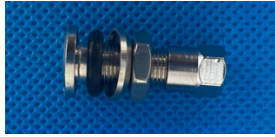
5.3 Standard Accessories

| No. | Name | Reference picture | Quantity | Note |
|---|---|---|---|---|
| 1 | Heat-shrinkable protection sleeve |  | 1 bag | L=60mm（T010A）<br>L=60mm（T011A） |
| 2 | Nylon cable tie |  | 16 pcs | L=120mm |
| 3 | Sealing tape |  | 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 | Special wrench |  | 1set | |
| 7 | gasket |  | 4pcs | |

| 8 | Fiber optic cable plug | | 6pcs | φ13.5 |
|---|---|---|---|---|
| 9 | Sealing kit for branch cable | | 4sets | |
| 10 | large port Sealing kit for cable | | 1set | |
| 11 | gasket | | 2set | |
| 12 | Installation manual | | 1pc | English |
| 13 | Desiccant | | 1 bag | 5g/bag |

5.4 Optional Accessories

| No. | Name | Model | Reference picture | Quantity | Note |
|---|---|---|---|---|---|
| 1 | Pressure testing valve | | | 1pc | |
| 2 | Earthing deriving device | | | 1pc | |
| 3 | Pole-mounting kit | BZ24 | | 1 set | |

| | | | | | |
|---|---|---|---|---|---|
| 4 | Aerial-mounting kit | JK04 |  | 1 set | |
| 5 | Wall-mounting kit | GB18 |  | 1 set | |

## 6. Package

Standard          Double corrugated carton, 730*480*460 mm, 6 in carton, about 24Kg.