

F102H

# 96/144 Core Fiber Optic Cable Closure

· Horizontal Outdoor Splice Closure ·



## 1. Product Overview

Optical splice closures are used to distribute, splice, and store the outdoor optical cables which enter and exit from the ends of the closure. There are two connection ways: direct connection and splitting connection. They are applicable to situations such as overhead, man-well of pipeline, embedded situation etc. Comparing with terminal box, the closure requires much stricter requirement of seal. Sealing ring and air valve are required for closure, but that are not necessary for terminal box.

## 2. Technical Specifications

| Parameter        | Specification                                           |
|------------------|---------------------------------------------------------|
| Model            | F102H                                                   |
| Dimensions (H×D) | 410mm × 210mm                                           |
| Max Capacity     | 96/144 Cores                                            |
| Splitting Ratio  | 1:3                                                     |
| Cable Entrances  | 3 small round ports (21mm) and 1 large oval port (40mm) |
| Protection Level | IP68                                                    |
| Lifetime         | 25 years                                                |

## 3. Key Features

### Quality Engineering Plastics

The closure casing is made of quality engineering plastics, and of good performance of anti-erosion against acid and alkali salt, anti-aging, as well as smooth appearance and reliable mechanical structure.

### IP68 Protection

The mechanical structure is reliable and has the performance of resisting wild environment and intensive climate changes and serious working environment. The protection grade reaches IP68.

### Ribbon & Common Cable Compatible

The closures are applicable to ribbon type optical cable and common optical cable.

### Turn-able Splice Trays

The splice trays inside the closure are turn-able like booklets, and have adequate curvature radius and space for winding optical fiber to make sure the curvature radius for optical winding 40mm. Each optical cable and fiber can be operated individually.

### Compact Design

The closure is of small volume, big capacity and convenient maintenance. The elastic rubber seal rings inside the closure are of good sealing and sweat-proof performance.

### Air Valve & Seal

The casing can be opened repeatedly without air leakage. No special tools are required. The operation is easy and simple. The air valve is provided for the closure and used to check the sealing performance.

## 4. Performance

| Performance Item       | Specification                                                     |
|------------------------|-------------------------------------------------------------------|
| Seal Performance       | Inflate to 100kPa, soak in water, no bubble overflow after 15 min |
| Insulation Resistance  | > 20 MΩ (metal work piece to earth)                               |
| Pressurization         | No breakdown under 15 kVdc/1 min                                  |
| Fiber Curvature        | 40mm radius, no extra loss in splice tray                         |
| Axial Tensile Strength | ≥ 1000 N                                                          |
| Standard Compliance    | YD/T814-1998                                                      |

## 5. Packing Information

PCS/Carton: 8 | G.W.: 23 kg | N.W.: 22 kg | Carton Size: 70×40.5×44 cm | CBM: 0.125 m³

## 6. Standard Accessories

| Accessory                           | Quantity   |
|-------------------------------------|------------|
| Tag Paper                           | 1 pcs      |
| Sand Paper                          | 1 pcs      |
| Silver Paper                        | 1 pcs      |
| Cleaning Tissue                     | 1 pcs      |
| Insulating Tape                     | 1 pcs      |
| Cable Tie (3mm×10mm)                | 8 pcs      |
| Fiber Protective Tube               | 3 pcs      |
| Heat-Shrink Sleeve (1.0mm×3mm×60mm) | 24-144 pcs |
| Heat Shrink Tubing                  | 1 bag      |

## 7. Optional Accessories

| Accessory                | Quantity |
|--------------------------|----------|
| Pole Accessories         | 1 pcs    |
| Pressure Testing Valve   | 1 pcs    |
| Earthing Deriving Device | 1 pcs    |

## 8. Product Gallery



**Product Image**



**Interior View**



**Cross Section**



**Detailed View**

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# **FEIBOER**

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