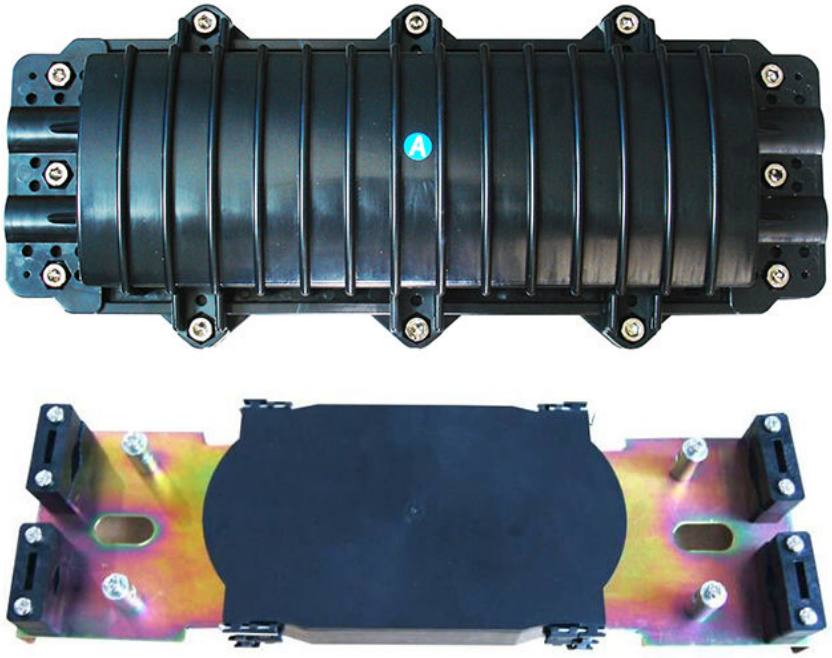
# Horizontal Fiber Optic Splice Closure CH001

## Optical Fiber Splice Closure

## TECHNICAL DATA SHEET



## Product Description:

CH001 is a horizontal type fiber optic splice closure designed for splicing and distribution of optical fiber cables in outdoor environments. It features a mechanical sealing structure filled with sealing material, allowing the closure to be reopened after sealing. The body is manufactured from high-strength ABS plastic, while all external fasteners are made of high-quality steel to ensure durability and corrosion resistance.

## Applications:

- Wall-mounted installations
- Aerial hanging installations
  Used widely in optical cable splicing and distribution networks

## Technical Specifications:

| Parameter | Specification |
|---|---|
| Material | ABS plastic (closure body) |
| Sealing Method | Mechanical sealing with sealing material |
| Cable Entry Ports | 4 round ports (2 in / 2 out) |
| Supported Cable Diameter | Φ7 – Φ18 mm |
| Dimensions (L × W × H) | 424 × 175.8 × 106 mm |
| Weight | 2.6 kg |
| Splice Tray Capacity | Max. 5 trays |
| Fiber Capacity per Tray | 12 core / tray or 24 core (duplex) |
| Maximum Fiber Capacity | 120 fibers |
| Re-enterable | Yes |

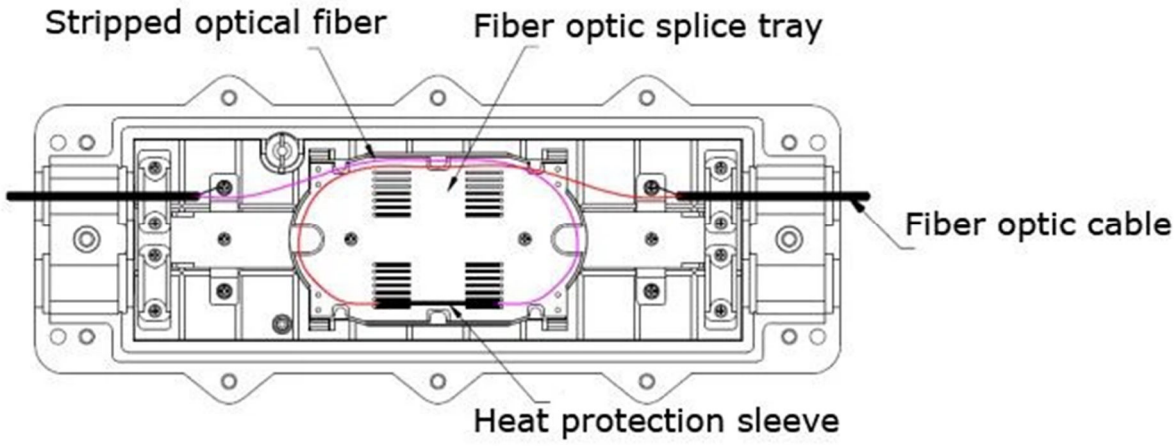
## Standard Accessories:

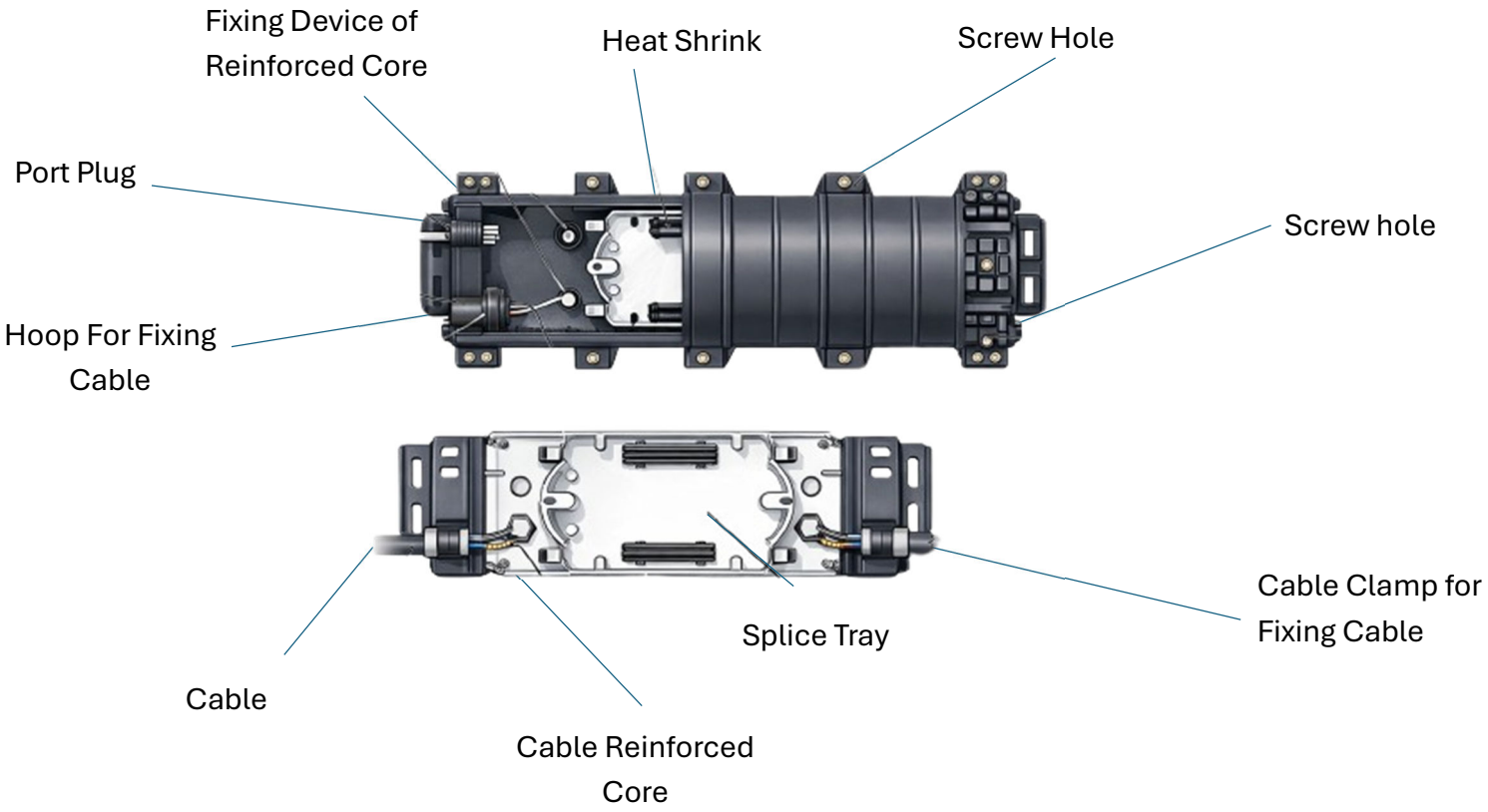
- Cross Shape Screwdriver
- Minus Screwdriver
- Pilers

## Key Reference Features:

- Suitable for outdoor fiber network deployments
- Reusable mechanical sealing design
- Supports multiple splice trays

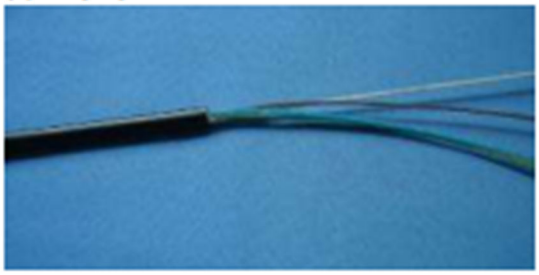
## Equipment Drawing:



# Installation Steps:

(1) Strip optical cable

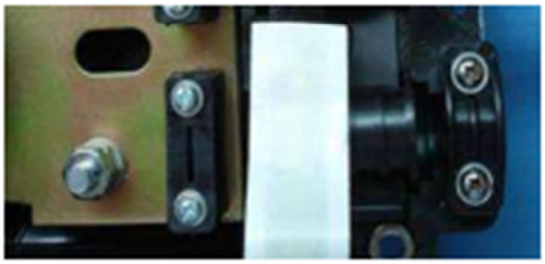


(2)Tighten the cable on the holder by cross screwdriver.

(3) Fix the optical fiber to splice case and coil the rest of the optical fiber inside splice case base and Fix the optical fiber to down body

(4) Fix the weld fiber optics to the in-and-out port of the fiber splice and Put splice tray cover on.

(5) Seal the unused ports by plugs.



(6) Close the up shell. Tighten shells by bolts

Fix the hanging hook to shells, so that it can be used for wall-mounting and aerial-hanging

# Operating Environment & Performance Conditions:

## Operating Temperature:

- –40 °C to +65 °C (standard outdoor operation range)
  Some manufacturers specify extended limits up to –45 °C to +70 °C depending on sealing materials and enclosure design.

## Storage Temperature:

- –40 °C to +70 °C

Suitable for long-term storage and transportation without performance degradation.

## Relative Humidity:

- ≤ 93% at +40 °C

Designed for high-humidity outdoor environments without condensation affecting fiber splices.

## Protection Level:

- IP68

Fully dustproof and protected against long-term water immersion, suitable for aerial and wall-mounted outdoor installations.

## Atmospheric Pressure:

- 70 kPa – 106 kPa

Ensures stable operation across different altitudes and environmental pressures.

## Environmental Resistance:

- Resistant to:

1. UV exposure
2. Rain and moisture
3. Temperature cycling
4. Mechanical vibration and aging