



**GJS-070015**

**Fiber Optic Splice Closure**

**Instruction Manual**

# **Content**

1.1 Preparation Pre-operation.....	1
1.2 Operation of Fiber Optic cable.....	1
1.3 Operation of Splice Closure.....	1
1.4 Mounting of Splice Closure .....	3

# Operation Instructions

## 1.1 Preparation Pre-operation

- Check the type and accessories of the splice closure and cable before installation.
- All components of the splice closure must be kept dry and clean, easy for installation.
- The working site must be kept clean (free from dampness and dust) and flat, easy for installation.
- Standards instruments and tools should be adopted while installing.

## 1.2 Operation of Fiber Optic cable

1) Stripping length. (Figure 1)

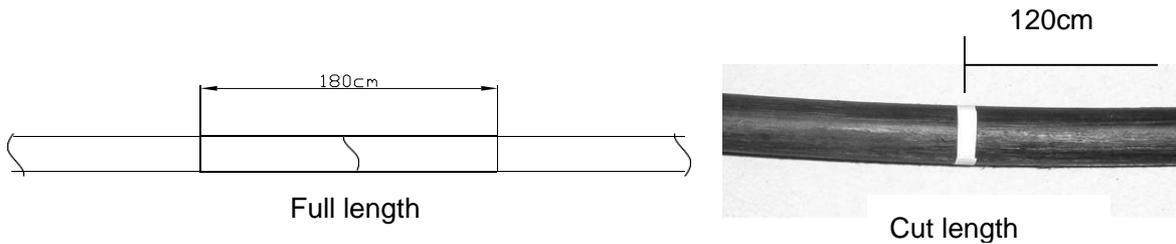


Figure 1

2) Cut off the core wire (Figure 2)

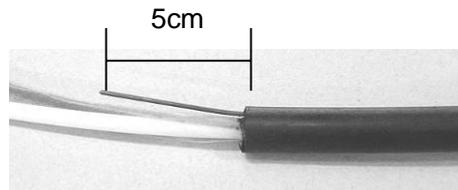


Figure 2

### Cautions:

- Do not damage the optical cable;
- In case of the operation failed, please cut the damaged cable and re-strip it.

## 1.3 Operation of Splice Closure

1) Open the splice closure.(Figure 3)



Figure 3

2) The operation of leading the cable into the splice closure.

A. Cut the tail of the cable port(Figure 4)

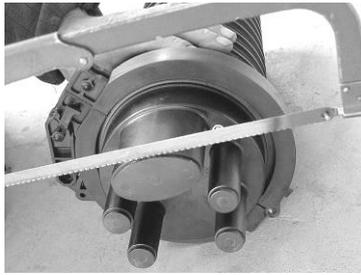


Figure 4

- B. Put the cable through the heat shrinkable bush and insert it into the entrance.  
 C. Fix the core wire and cable (Figure 5)

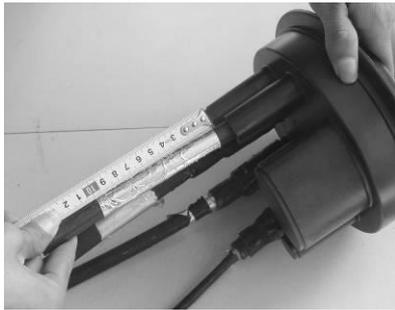


Figure 5



Figure 6

- D. Grind the entrance and make the cable clean to insure the sealing quality of the heat shrinkage.  
 E. To insure the security of the cable, a 10cm length silver paper should be winded around the cable before heat shrinkage. (6cm of the cable is covered by heat shrinkable bush.)  
 F. Heat shrinkable sealing: Put the heat shrinkage bush into the bottom of cable port of the lower box and heat it. But do not heat the cable without tinfoil and the box. (Metallic differences clip should be used when operating heat shrink the big cable port.)

**Cautions:**

- Heating evenly while heat shrinking.
- Heat the heat shrinkage bush which is at the contact part of the inlet and the bottom of the lower box. After it is cooling down, heat the remaining parts.



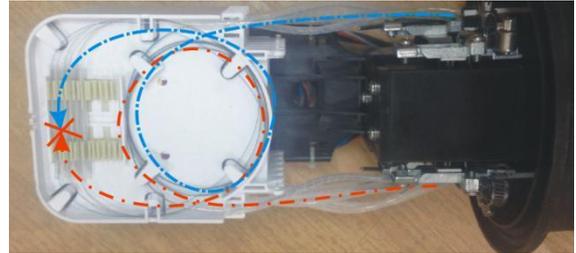
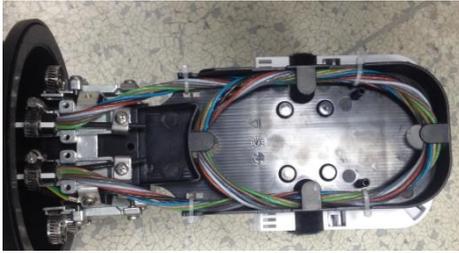
Figure 7

- G. Cable distribution and protective fixing: Open the tray (Figure 8), put optical fiber through EVA soft tube and fix it at the inlet with a nylon tie.  
 H. Splicing and storage of optical fiber: While splicing and spooling the cable, the bending radius is  $\geq 30\text{mm}$ , the spare cable should be spooled on the tray following reversed figure "8". (Figure 9)  
 I. Box sealing: After construction, put the sealing strips into the box and close it, then seal the box with hoop.

**Cautions: Keep the cable and splice closure in line and do not bend.**

- J. Optical fiber test and sealing test: After the splice closure is sealed, carry out gas test on site and apply ground protection on the optical cable. (Users can decide whether the valve is necessary or not.)

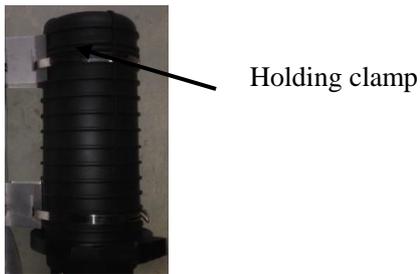
## K. Coiling Fiber



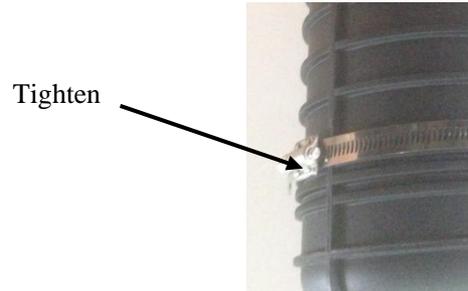
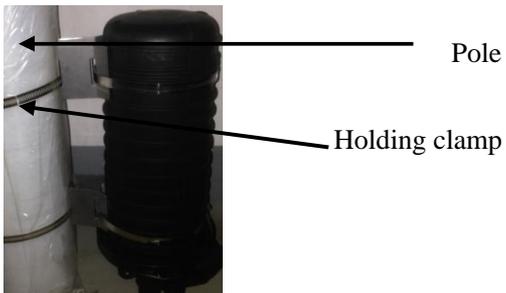
## 1.4 Mounting of Splice Closure

### A. Pole-mounting

1. Fit the mounting member in the closure with the holding clamp.



2. Fit the closure to the pole with the holding clamp.



### B. Wall-mounting

1. Fix the metal mounting bracket on the wall with expansion bolts.

