

## FOA-ACC-CLO144-OPF09 Dome-Closure Manual



### **I. Description:**

1. Composed of the box cover, the box base, splice tray, the hoop and the transfer components;
2. Has an oval hole, which will hold two fiber optic cables (can be used as a cable entrance and exit);
3. When in use, heat shrinkable sleeve is used to seal the cable entrance;
4. Connected as a button type lock ring, the base has a oval hole and four round holes;
5. Can be installed overhead, buried, in pipeline or into well.

## 6. Index:

Type	GJSM5-RS-B
size (mm)	Φ210×540
cable diameter (mm)	Φ7-Φ22
Accessible cables	1 in 4 out
Maximum core for splice try	24 (single core)
Maximum quantity of splice tray	6
Capacity (core)	144 (single core)
Sealing type	heat shrinkable tube, silicon rubber
Packing size (mm)	465×405×575/4pcs
Packing volume (m3)	
Packing weight (kg)	

## 7. Accessories:

1	Pole connector	2 pcs (optional)
2	Branch fork	1 pc
3(a)	Heat shrinkable tube φ28/φ6	4 pc
3(b)	Heat shrinkable tube φ65/φ19	1 pc
4	Lock ring	1 pc
5	Sealing ring	1 pc
6	Splice bag L=60	According to the cores
7	Tie 3x100	12 pcs
8	2.5m <sup>2</sup> external ground wire (single chuck) L=300	2 pcs
9	Stainless steel hoop φ155~φ178, φ175~φ197	2pcs each (optional)
10	Aluminum paper (100x130)	1 pcs
11	Sand paper (24x400)	2 pcs
12	Protection tube for bare fiber, L=400	16 pcs
13	Binding clip	1 pc
14	Magic straps 16x410	1 pc

## II、Parts (figure 1, figure 2)

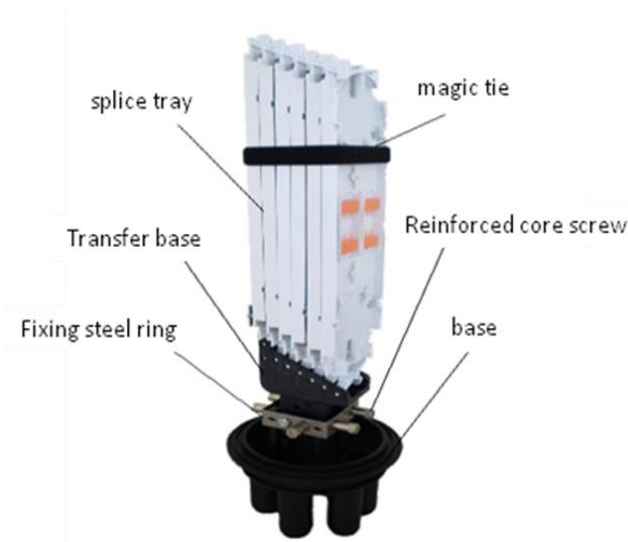


figure 1



figure 2

### III、Installation

1. Open the hole: Saw the entry ports as need.
2. Clean the cable sheath with cloth (about 1.8 meter)
3. Slide the cable into the hole.

### IV、Cable preparation

1. Strip the cable sheath, clean the filing, cut the reinforced core at the 75mm from the sheath cut;
2. If a shielded cable is installed, leave a cable shielding layer of approximately 25mmX25mm in the axial direction at the annular cutout of the cable and clamp the shielded cable;
3. Cut off the loose tube at 35mm from the annular section of the optical cable, remove the oil on the optical fiber bundle, put on the bare fiber protection tube.
4. Align the cable section and the base hole end, insert the reinforced core into the fixing hole, squeeze it with a nut and cut off the excess;
5. If shield wire is used to connect 2 cables, the cables should be paired together according to the outlet order.

### V、Oval hole sealing

1. Wipe the elliptical surface and cable sheath with a clean piece of paper or cloth to a distance of 100mm from the edge of the hole;
2. Roughing the elliptical surface and cable sheath with sand paper, clean them with cloth;
3. Put on the elliptical heat shrinkable tube, and mark the optic cable on the end of the tube;
4. make the 2nd mark on the cable 5mm from the 1st marker;
5. Wrap the cable with warm aluminum paper from the 2nd mark;
6. When install 2nd cable, allocate the heat shrinkable tube according to the cable size, insert the

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branch card (note: all the branch cards should be fully inserted into the heat shrink tube)

7. Heat the heat shrink tube with a torch so that it shrinks all over the holder and cable, then heat the clips on both sides until the hot melt flows out of the two cables.

Note: If the cable enters the round hole, the operation process is carried out according to the above steps, except that there is no branch card, and the circular heat shrinkable sleeve is used.

## **VI、Optic Cable installation**

1. Each splice tray holds a maximum of 24 fibers, and holds up to 2 naked fiber protection tubes on each side of the tray, marking each tube at a 15mm distance from the edge of the splice tray;
2. Carefully cut off the extra protection tube at the mark and secure the tube to the tray with a strap.

## **VII、Optical fiber connection and storage**

1. Connect the corresponding fibers according the requirement;
2. Place the fiber joint in the card slot of the splice tray, coiled the remaining fiber in the tray;
3. check if all fibers are intact, then cover the transparent lid and fix it to the splice tray.

## **VIII、The box installation**

Place the box cover on the box base. Make sure that the elliptical hole of the box base is aligned with the arrow marked on the box cover. Use the lock ring to lock the box lid and the box base together.