

## Dome Fiber Optic Splice Closure GJSM11



GJSM11, a heat sealing fiber optic dome closure has A and B versions loaded with different version fiber splice tray to realize different fiber count splitting and joint connection. The closure is designed with 10 small hole and 1 large oval hole and made of high strength engineering plastic material to have high mechanical strength and long service life. GJSM11 splice closure can be overhead, pole, wall mounted and buried installed, simple installation and wide application range ensures a good choice for optical fiber connection.

### Features

- 10 small round ports and 1 big oval hole can enter and exit 7-12mm fiber cable
- High strength engineering plastic, anti ageing, strong corrosion resistance, lighting resistance and long service life
- Easy , safe, convenient for installation and expansion
- Splice tray with splicing slots and a PLC splitter holder , enable direct or divergent fiber connection
- IP65 grade, wall mounted, aerial, pole mounted, buried
- Fiber radius of curvature is over 40mm

### Product Specification:

Model	Size	Splitter type	Cable Diameter	Max splice tray	Splice tray capacity	Max capacity
GJSM11-RSB288	230*4	1:8(1pcs), 1:4(2pcs)	7-12mm	18	16	288(single core)
GJSM11-RSB144	40mm	1:8(2pcs), 1:4(2pcs)		9	16	144(single core)
GJSM11-RSA144		1:32 (1pcs), 1:16(2pcs)		6	24	144(single core)

## Packing List

Manual	1pc
Case body	1 set
pole connector	2 pcs
Heat shrinkable tube (small)	10 pcs
Heat shrinkable tube (oval)	1 pc
Splicing bag (12 pc/bag)	according to the type
grounding wire(L=120mm)	1 pc
branch card	1 pc
Tin foil	2 pcs
Stainless steel hose hoop	4 pcs

## Installation Process

### 1. Cable 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.

### 2. Cable preparation

- ① Strip the cable sheath, clean the filing, cut the cable reinforced core at 75mm distance from the sheath cut;
- ② If a shielded cable is installed, leave a cable shielding layer of approximately 25mm x 25mm 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.

### 3. 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 Rough 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 at 5mm from the 1st marker;
- ⑤ Wrap the cable with warm aluminum paper from the 2nd mark;
- ⑥ When install the 2nd cable, allocate the heat shrinkable tube according to the cable size, insert the 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.

#### **4. Optic Cable installation**

- ① Each splice tray holds a maximum of 24 fibers, and holds up to 2 bare 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.

#### **5. 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.

**6. 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.