

# GJS-M5/RS-AS Dome-Closure

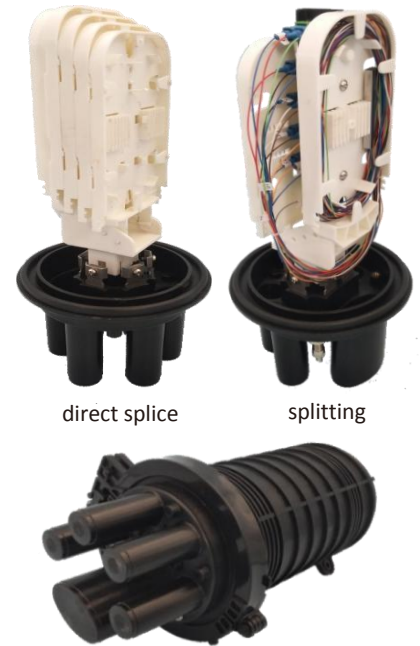
## DESCRIPTION

### 1. Application

A type of dome closure series, used for direct connection during optical fiber transmission, and provides joint connection protection, with 4 small round holes and 1 large hole; heat sealing with heat shrinkable casing; can be used for overhead, pole, wall and buried installations. With good sealing performance, the simple installation and wide application range are the best choice for optical fiber connection.

### 2. Product Feature

- All functional indicators are in line with the national YD814.1-2004 standard for distribution box.
- Four-in and four-out cable ports; there are 4 round holes and one oval hole, which suits for  $\Phi 7 \sim \Phi 20$  cables.
- The outer box body is made of high-strength engineering plastics, It has features of light weight, high mechanical strength, anti aging, strong corrosion resistance, lightning resistance, and long service life.
- Stacked structure splice tray makes it flexible, convenient and safe for the optical fiber core configuration, expansion and the cable grounding.
- Special slot in the splice tray for fixing 1:4 and 1:8 or 1:16 PLC splitter.



### 3. Technical Index

- ◆ Fiber radius of curvature:  $\geq 40\text{mm}$
- ◆ Optical disk additional loss:  $\leq 0.01\text{dB}$
- ◆ Temperature Range:  $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- ◆ Anti lateral pressure:  $\geq 2000\text{N} / 10\text{cm}$
- ◆ Shock resistance:  $\geq 20\text{N.m}$
- ◆ Protection level: IP65

## PRODUCT SPECIFICATION

Type	GJS-M5/RS-AS
Size	$\Phi 190 \times 316$
Cable ports (inlet/outlet)	3 in/ 3 out
Cable diameter (mm)	$\Phi 7 \sim \Phi 20$
Splice tray capacity	24 (single core)
Max splice tray number	4
Max core capacity	96 (single core)
Max splitting	1:4 (4pcs), 1:8(2pcs), 1:16(1pc)
Sealing type	Heat shrinkable sleeve, silicon rubber

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## INSTALLATION PROCESS

### 1. Cable installation

- ① Open the hole: Saw the entry ports as need.
- ② Clean the cable sheath with cloth (about 1.4 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 fiber joints, 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.

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## 6. The box installation

Place the box cover on the box base, tighten them together through locking ring, install it by wall mounting or pole mounting.



## PACKING LIST

manual	1pc
Case body	1 set
Heat shrinkable tube (round)	4 pcs
Heat shrinkable tube (oval)	1 pc
branch card	1 pc
Splicing bag (12 pc/bag)	according to the type
grounding wire(L=120mm)	1 pc (optional)
Tin foil	2 pcs (optional)
pole or wall mounting assembly	1 set