



### 1.1 Introduction:

This product is used to connect the distribution cable and the incoming cable, is widely applied in communication, network systems, CATV cable TV and so on. It adopts scientifically formulated engineering plastic and be shaped by injection molding, with anti-aging, anti-corrosion, flame retardant, waterproof, anti-vibration and anti-shock effects. Can effectively prevent the optic fibers from the influence of outdoor environment.

Dome-to-base design; up to 6 pieces splice trays, hinge for access of any splice without disturbing others trays; Fast and reliable sealing performance, easy to package multiple times. With lightning protection grounding device, it can be applied in overhead, pole/wall mounting or directly buried.

### 1.2 Specification:

<b>Model:</b>		<b>GJS03-M1AX-JX-144</b>	
Size: With clamp biggest outer dia.	480*219.2 mm	Raw material	Dome, Base: modified PP, clamp: Nylon +GF Tray: ABS Metal parts: Stainless steel
Entry ports number:	1 oval port, 4 round ports	Available cable dia.	Oval port: available for 2 pcs cable, with optional rubber for different cable dia. Round ports: each available for 1 cable dia. 8~11.5mm
Max. tray number	6 trays	Base sealing method	Mechanical
Tray capacity:	24F	Applications:	Aerial, directly buried, Wall/ pole mounting
Max. closure splice capacity	144 F		

### 1.3 Order Guidance:

# GJS03-M1AX-JX -144

**AX:** Splice in tray middle

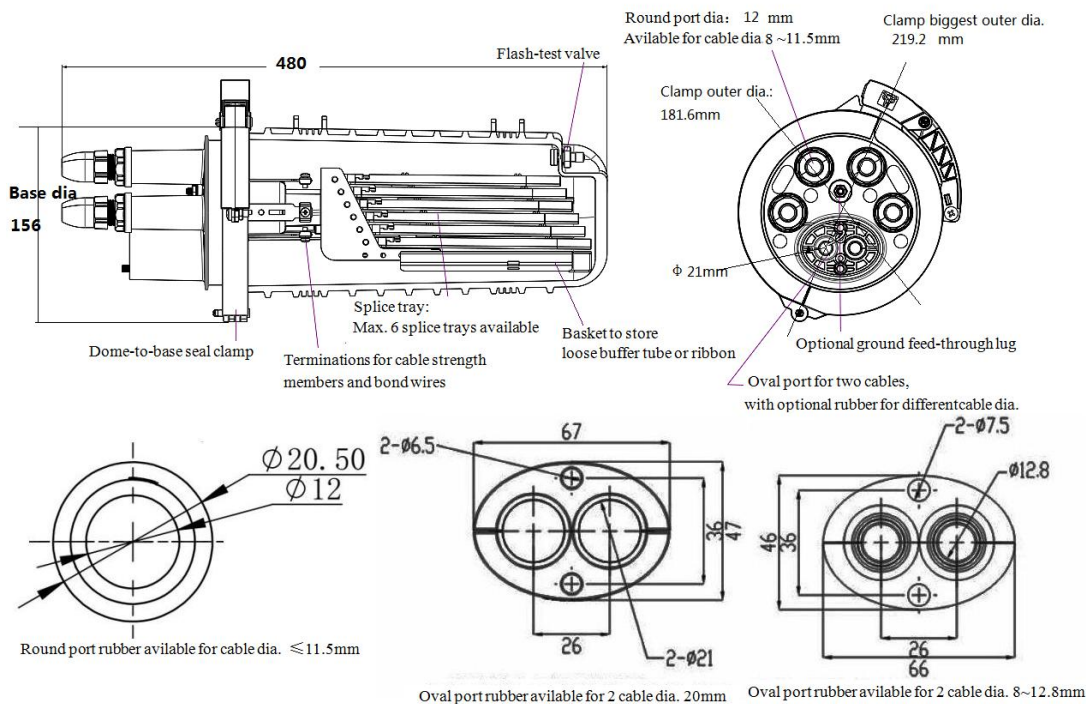
**BX:** Splice on tray sides

splice capacity:

each tray to splice

24F , max. 6 trays








## 1.4 Exterior Structure diagram.



## 1.5 Technical Parameter:

1. Working Temperature: -40 degrees centigrade~+65 degrees centigrade
2. Atmospheric Pressure: 62~106Kpa
3. Axial Tension: >1000N/1min
4. Flatten Resistance: 2000N/100 mm (1min)
5. Insulation resistance: >2\*104MΩ
6. Voltage Strength: 15KV(DC)/1min, no arc over or breakdown
7. Temperature recycle: under -40℃~+65℃, with 60(+5)Kpa inner pressure, in 10cycles; Inner pressure shall decrease less than 5 Kpa when closure turn to normal temperature.
8. Durability: 25 years

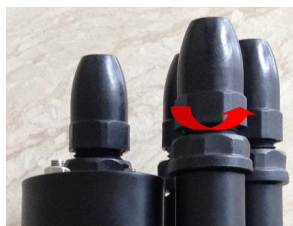
## 1.6 Main components:

Name	Qty	Picture	Name	Qty	Picture
Dome	1pc		Tray	Max. 6 pcs optional	 RQP-35-24c splice on sides  RQP-51-24c splice in middle
Clamp	1pc		Valve	1	 optional
Base	1pc		Modified O-ring	1	

Cable Strengthen member attach plate	1set		Velcro strip with one X flake	1	
optic joints protection tube	Max. 144		Ground feed-through lug	1	 optional
Storage basket	1		Round Port accessories bag	4 pcs	
Desiccant	1	 optional	Oval port accessories bag	1bag	
Cleaning tissue	1	 optional	Transparent PE tube & Nylon tie	8pcs/bag	 Each two trays with 1 bag.
Wall mounting kits	1 Standard offered with				
Aerial mounting kits	Order as optional				
Pole mounting kits	Order as optional	 2pc + 4pcs			

## 1.7 Installation Guidance

### 1.7.1 Way to open the round and oval port



1. Use the wrench to screw off the gland type round ports, and take off the port blocker



2. Use the M6 hex nut wrench to screw off the screw then take off the oval ports accessories

### 1.7.2 Inlet cable from round port

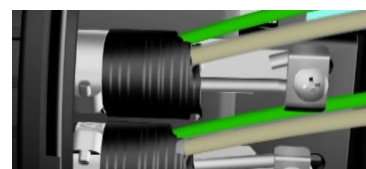
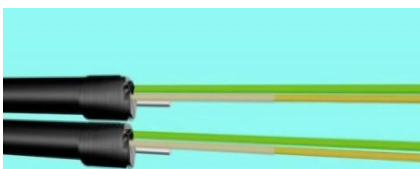


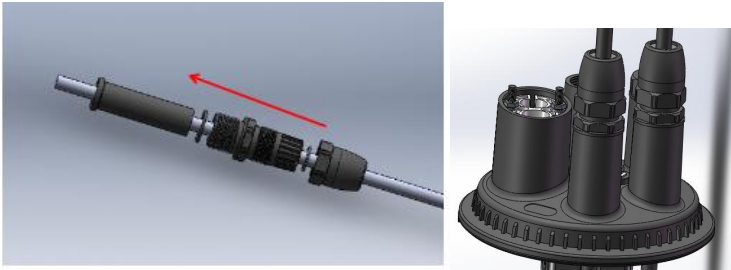
1. Put the round ports sealing devices through the cable orderly in the direction of the red arrow.



2. Remove the sheath of the cable, clean it, spare 1.1-1.6m optic fibers and 60-70mm cable strength member.

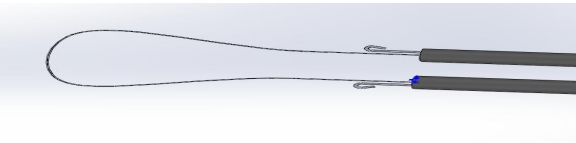
Use pincer pliers to bend the cable strength member into a hook shape.





5. Put the round ports sealing devices into the round port and screw up the round port.

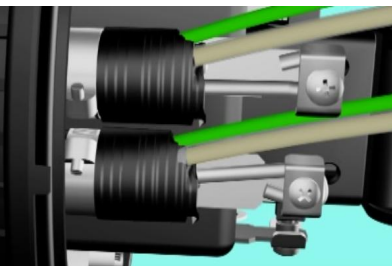
### 1.7.3 Inlet cable from oval port



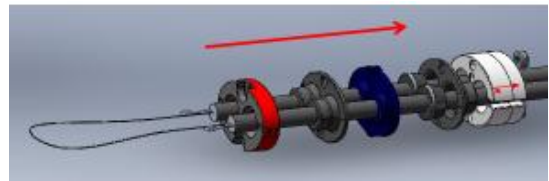
1.Remove the sheath of the cable, clean it, spare 2.5-2.8 m optic fibers and 60-70mm cable strength member. Use pincer pliers to bend the cable strength member into a hook shape.



3.Cut in the middle of the splice and fusion optic fibers



5.Fix the cable on the hose clamp and tighten the screw to fix the cable strength member.



2.Put the oval ports sealing devices through the uncut cable orderly in the direction of the red arrow.

The silicon rubber and gel rubber shall cut on sides with the art knife to put on the uncut cable. Then put in the oval port.



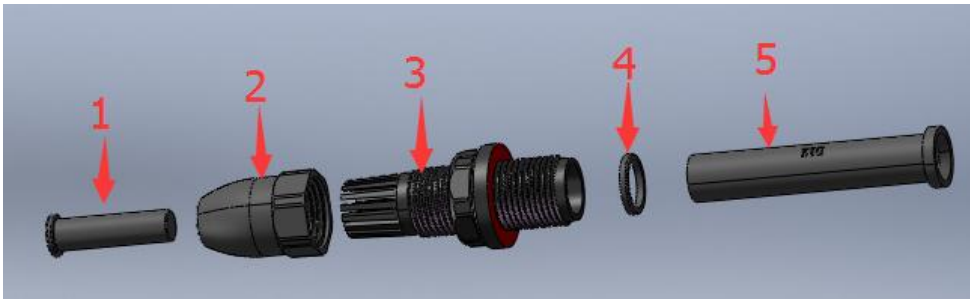
4.Put the bare cable protective tube through the optic fiber and wrap the PVC tape on the joints of bare cable tube and cable sheath.



6.Put the oval ports sealing devices into the oval port and screw up the oval port.



#### 1.7.4 Round Ports Components & Installation Diagram

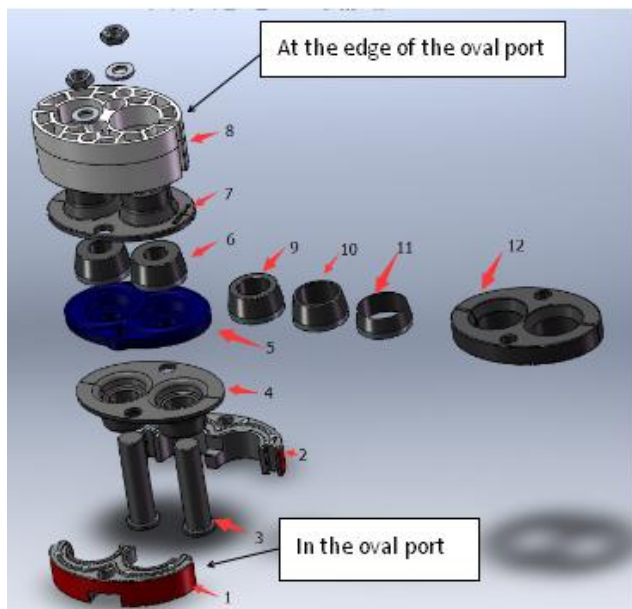


1. Entry port blocker
2. Cable press cap
3. Cable dia. adjust part
4. Gasket
5. T shape silicon sealing rubber

Notes:

1. Attention to the T shape rubber when installation, If displaced, deformed or twist, shall re-install the rubber.
2. Choose the T shape rubber according to cable dia.

#### 1.7.5 Oval port accessories & Installation Diagram.



1. Left crescent plastic washer
2. Right crescent plastic washer
3. Entry port blocker
4. Conical double-hole variable diameter rubber plugs
5. Conical double gel plugs
6. Conical single-hole variable diameter rubber plug (optional size: 9, 10, and 11)
7. Conical double-hole variable diameter rubber plug (same accessories as item 4)
8. Oval port washer
9. Z-14 conical variable diameter plug
10. Z-18 conical variable diameter plug
11. Z-21 conical variable diameter plug
12. Closure conical double-hole rubber plug

##### Cable Dia. 18~10 mm installation process:

Accessories install order:

- 1) Use accessories 1 & 2 to clock the cable, and put it in the oval port
- 2) put the cable in the slots of accessory 3) Repeat step two to install the accessory
- 4) Choose the proper conical variable diameter plug from accessories 6, 9, 10 according to cable dia. And put the cable in the plug slots
- 5) Repeat step two to install the accessory but note install on an opposite direction (item 7 is item 4 in opposite direction)
- 6) Put the cable through accessory 8 and tighten the screws.

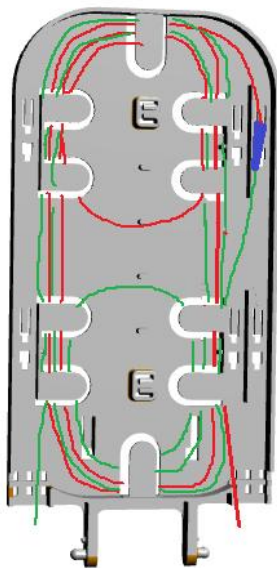
##### Cable Dia. 21 mm installation process:

Accessories install order: same as above cable dia. 18~10mm install way, just change the accessories for D-21mm use

Notes: every accessory shall be close to each other.

### 1.7.6 Fiber tray & Storage tray installs way

Tray RQP-32-24C splicing



Storage bracket



### 1.7.7 Fix the Closure

Clean the closure and put the spare desiccant and transparent tube in the empty place of the closure for re-installation. Lock the closure with clamp and screws.

Several installation conditions as bellow,

**Pole mounting**



**Aerial**



**Wall mounting**

