

1.1 Introduction:

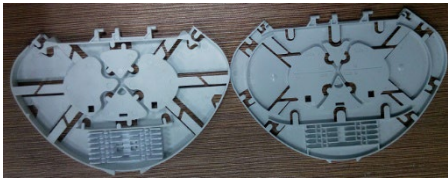
This product is used to connect the distribution cable and the incoming cable, is widely applied in communication, network systems, CATV cable TV and so on. It adopts scientifically formulated engineering plastic and be shaped by injection molding, with anti-aging, anti-corrosion, flame retardant, waterproof,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

Dome-to-base design; sealed with clamp and O-ring system. With two types of optional trays can 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.

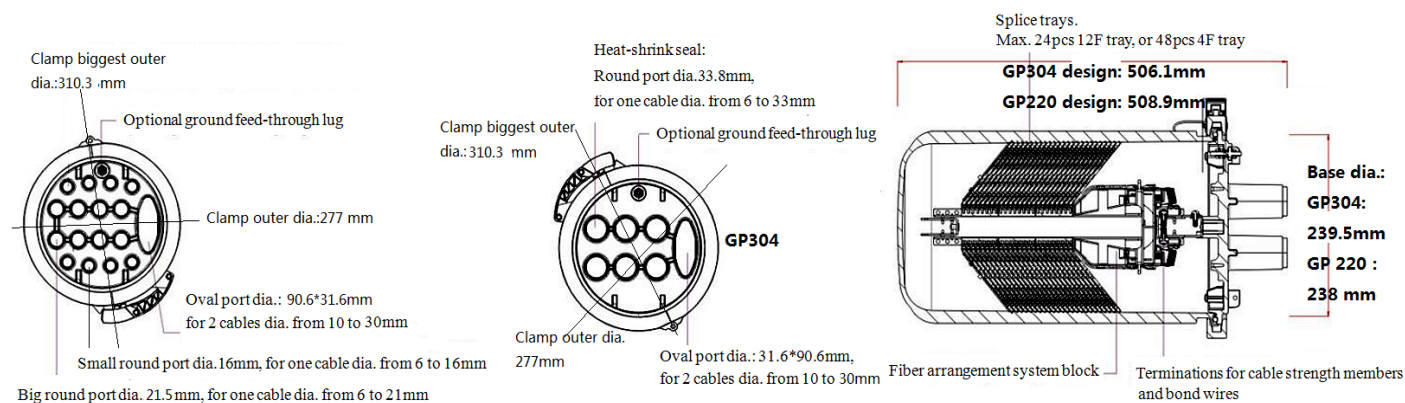
1.2 Specification:

Model:		CNFOSC-999249-M5AX-288C
Size (with clamp's biggest outer diam.):	508.9*310.3 mm	
Entry ports number:	1 oval port, 8 middle size round ports, 8 small size round ports	
Max. tray number:	24 pcs	
Tray capacity:	RQP-15-12c: 12F/tray RQP-26-4c: 4F/tray	
Max. closure splice capacity:	288F (if with 12F tray, total 24 pcs) 192F (if with 4F tray, total 48 pcs)	



Available cable diam.	1 oval port for 2 pcs 10 ~ 30 mm cable 8 middle round ports each for 1 pc 6 ~ 21 mm cable 8 small round ports each for 1 pc 6-16 mm cable.	
Optional Tray picture	 SPLICE-15-12C: 12F tray; SPLICE-26-4C: 4F tray	
Raw material	Dome, Base: modified PP; clamp: nylon + GF; Tray: ABS; Metal parts: stainless steel	
Base sealing method	Heat-shrink	
Applications:	Aerial, directly buried, wall/pole mounting	
IP grade	68	

1.3 Exterior Structure Diagram



1.4 Technical Parameters:

1. Working Temperature: -40 °C ~ +65 °C
2. Atmospheric Pressure: 62 ~ 106 Kpa
3. Axial Tension: > 1000 N/1min
4. Insulation resistance: > 2*10⁴ MΩ
5. Voltage Strength: 15KV (DC)/1 min., no arc over or breakdown
6. Durability: 25 years.









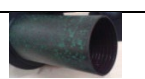







1.5 Main components:

Name	Qty	Picture	Name	Qty	Picture
Dome	1 pc		Tray	Max. 48	 RQP-26-4c
				Max. 24	 RQP-15-12c
Clamp	1 pc		Valve	1	 (optional)
Base	1 pc	 GP220	Modified O-ring	1	
Cable Strengthen member attach plate	1 set		Velcro strip with one X flake	2	
Optic joints protection tube	Max. 288		Ground feed-through lug	1	 (optional)
Nylon tie & Transparent PE tube	8 pcs/bag	 	Max. 1 bag		
Wall mounting kits - A	Order as optional				
Wall mounting kits - B	Order as optional				
Aerial mounting kits - C	Order as optional				



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Product code: CNFOSC-999249-M5AX-288C
FO Splice closure, M5AX 288 fibers

Pole mounting kits - D	Order as optional					
Round port accessories bag	With 2 bags		Items	Heat-shrink tube	16	
				Abrasive tape	1	
				Aluminium foil	16	
Oval port accessories bag	1 bag		Items	Heat-shrink tube	1	
				Abrasive tape	1	
				Aluminium foil	2	
				Cleaning tissue	1	
				Desiccant	1	
				Shield continuity wire	1	
				AMP clamp	1	
				Branch off clip	1	



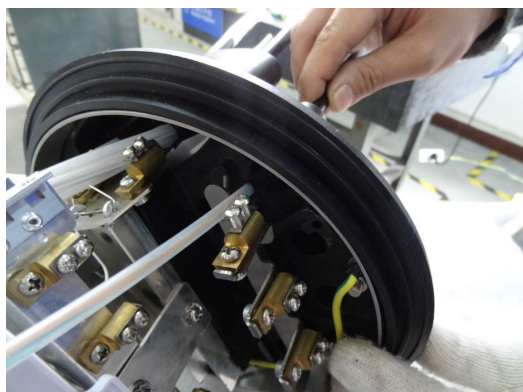
1.6 Installation Guidance



1. According to the construction needs open cable holes on the base, use abrasive strip to polish the cable inlet and outlet until smooth, then clean up the port with cleaner.



2. Clean up the cable head which need to be spliced, first put on the heat shrinkable tube, then put the cable into the base.



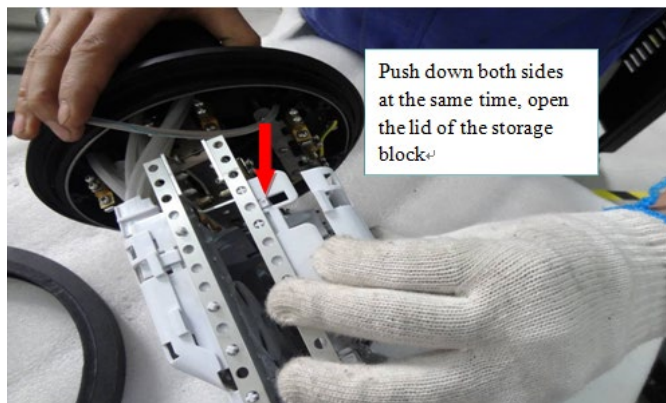
3. Strip off the outer sheath, the inner sheath and the loose shrinkable tube on the cable, clean and clear the oil filling paste in the cable. Leave the fiber at the length of 1 to 1.6m, the strength steel core with the length of 30 to 50 mm.



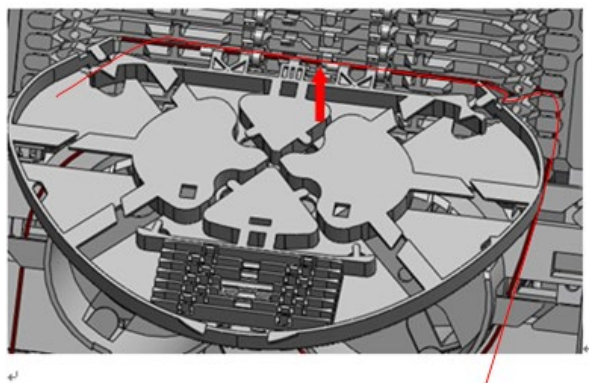
4a. Put the bare fibers through the transparent PE tube . Using PVC tape to wrap the end of the PE tube and cable.



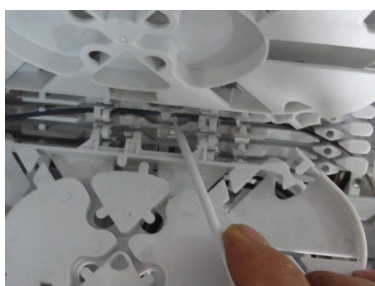
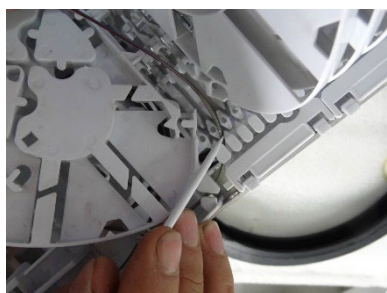
4b. Put the cable strengthen steel wire into the corresponding stud hole, adjust the distance, use paellas bend the steel wire to 90°degree but leave 1 cm long ,then cut off the spare steel wire. Tighten the screws on the stud.



5. Take over the storage block lid.



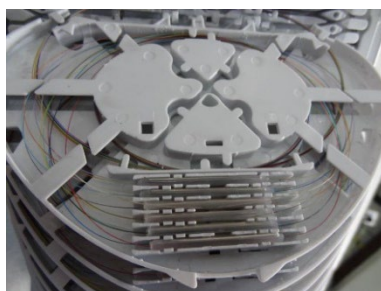
The fiber routing from the storage basket to the splice tray as shown in the figure. Splice tray must be in accordance with the groove routing, The splice tray fix on which line of the groove, the fiber must from same line routing. As the fiber routing groove is too deep, a fiber guiding pin can be used to move the fiber into or out of the groove.



6a. Use the fiber adjust pencil to guide the optic fibers into the grooves of the tray holder...



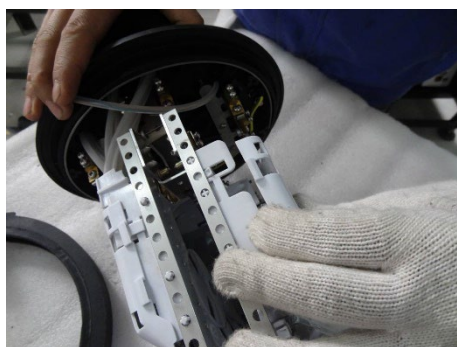
6b. ... until the fibers close to the tray entry, then guide the fibers into the tray.



7. Splicing of fibers in the splice tray.

Pull gently on the fibers in the tray and make sure that the fibers are well contained in the routing block and tray holder. Store the fibers temporarily on the tray. The first lap fiber general coiled in the outermost side of the splice tray. The other fiber shall be coiled into circle with the diameter not less than 80 mm

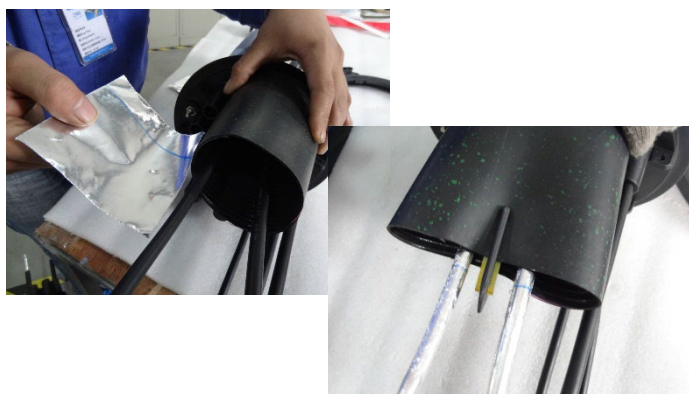
Put the splice protective tube on the fiber joints and fusion them together orderly. The fiber protective tube shall be put together with the fiber into the splice cassette (first fix the fiber protective tube to the tray slots, and then enlarge the fiber circle to proper size).



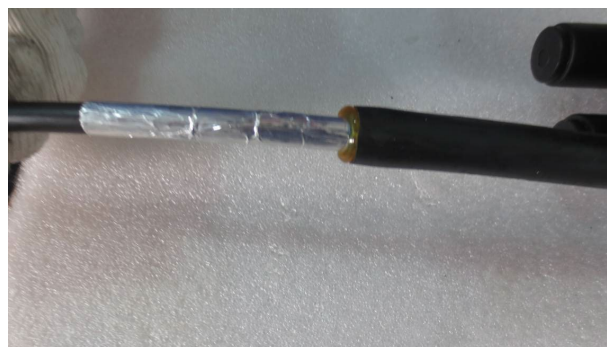
8. Repeat the steps, operate other splice tray from top to the bottom until all the fiber fusion is completed and confirmed, then put on the tray lid and storage block cover.



9. Then bind the Velcro strip.



10. Stick the aluminum foil on the cable. If one closure port need to have access two or above optical fiber, please use branch-off clip. When heating the heat shrinkable tube, the branch-off clip can be heated together to facilitate the integration of optical cable and heat shrinkable tube, all of the fiber cable access port is handled like this.



11. Seal the round ports using the same method as to seal the round ports.



12. Put on the O-ring and close the closure.