Fiber Optic Dome Enclosure

Model: NCM-DOME-M6-96CT

Description

NCM-DOME-M6 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 4 pieces splice trays, hinge for access of any splice without disturbing other trays, fast and reliable sealing performance, easy to package multiple times, with lightning protection grounding device.It can be applied in overhead, wall mounting or directly buried



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8125 NW 64th ST. Miami, Florida 33166
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Technical Parameters

Parameter	Unit	Value
Maximum Single Fiber Count	-	96
Maximum Fiber per tray	-	24
Maximum number of trays	-	4
Number of cables entry point	-	Oval port：1 Round ports：4
Color	-	Black
Height	mm	315
Diameter	mm	189
Material	-	Dome, clamp, base: modified PP +GF Tray: ABS Metal parts: Stainless steel
Sealing Rating	-	IP68
Axial Tension	N/min	>1000/1
Insulation resistance	MΩ	>2*104
Flatten resistance	N/mm	2000/100 (1 min)
Voltage Strength	KV/min	15/1 (no arc over or breakdown)
Pressure in the water	m	50 (72horas)
Atmospheric Pressure	Kpa	62~106
Optimal Operating Temperature	ºC	-40 to +65

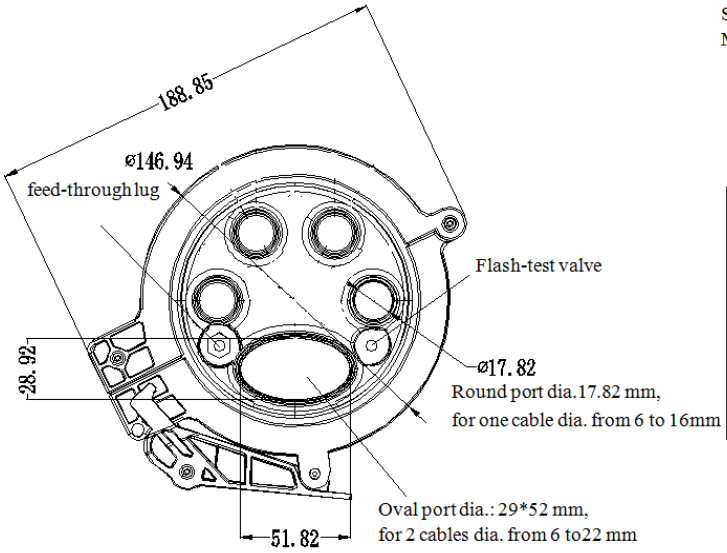
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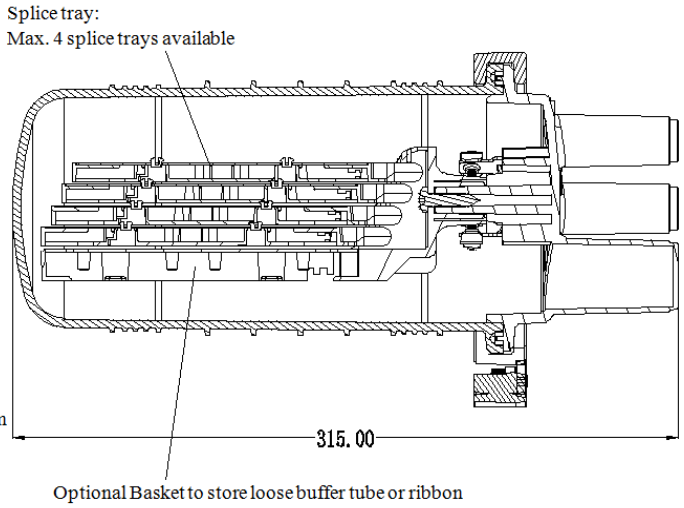
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Outer Structure







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Name	Qty	Picture	Name	Qty	Picture
Dome	1pc		Tray	Max. 4 pcs	
Clamp	1pc		Valve	1	
Base	1pc		Modified O-ring	1	
Cable Strengthen member attach plate	1set		Velcro strip with one X flake	1	
optic joints protection tube	Max. 96		Ground feed-through lug	1	
Nylon tie	12pcs/bag	 Max. 2 bags.	Transparent PE tube	8pcs/bag	 Max. 2 bags.
Pole mounting kits	1 Standard offered with		Aerial mounting kits	Order as optional	
Wall mounting kits	Order as optional				

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Round Port accessories bag	1 bag		Items	Heat-shrink tube	4	
				Abrasive tape	1	
				Aluminum foil	4	
Oval port accessories bag	1bag		Items	Heat-shrink tube	1	
				Abrasive tape	1	
				Aluminum foil	2	
				Cleaning tissue	1	
				Desiccant	1	
				Shield continuity wire	1	
				AMP clamp	1	
				Branch off clip	1	

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Installation Guide



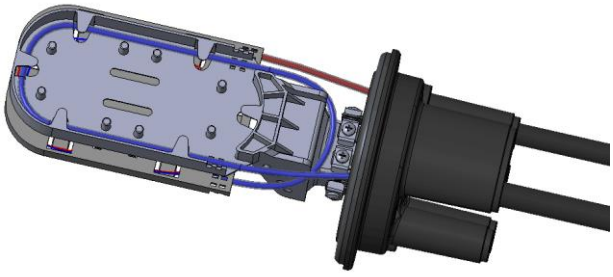
1. Cut the ports need to guide-in



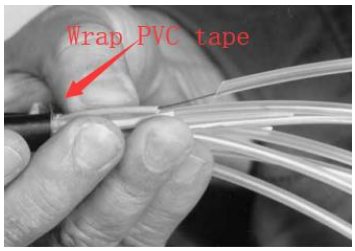
2. Put the cable through the heat-shrink tube



3. Remove the sheath of the cable and clean it. Cut the strengthen member to 5cm length. Put it through the attach screws and bend it to fix on the screw. Then tighten the screw.



5. Wind the excessive loose buffers in suitable cycles and put in the storage basket.



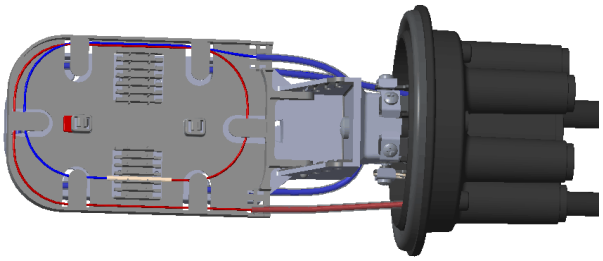
4. Remove the loose tube of the cable and clean the bare fibers. Put them through the transparent PE tube strip by strip. Using PVC tape to wrap the end of the PE tube and cable.

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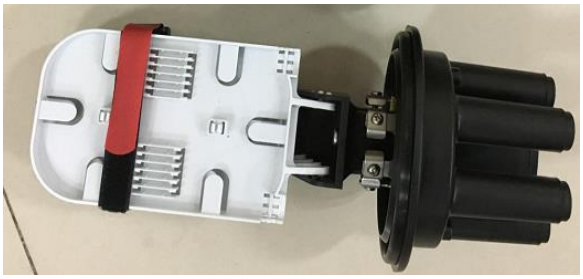
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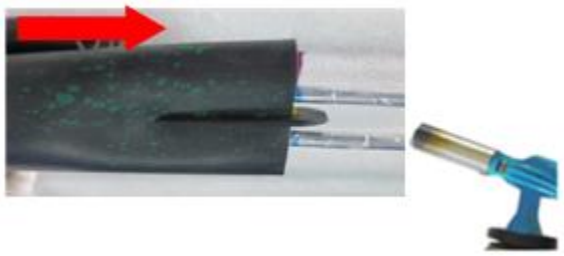
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6. Coiling the optic fibers in the splice trays as above picture from the bottom tray to the top one. Fusion the joints and shrink the protective tubes and fix them in the tray. And put on the tray lid.



7. Use the Velcro strip to bind the trays.



10. Move the heat-shrink tube to cover the base port and the cable. Mark the tube end on the cable and stick the aluminum film on it. The blue line of the film shall at the same position of the marketplace. (Edge which close to the blue line shall be in the tube. Other side out of the tube.) Using blunt tool to even the film tightly sticks to the cable. Heat the tube to shrink to seal from the direction of the red arrow slowly. (If to guide 2 cables in the oval port, use branch off clips to separate the cables, heat the branch off clip at meantime to seal the space.)



11. Heat the round ports follow the same step as the oval port

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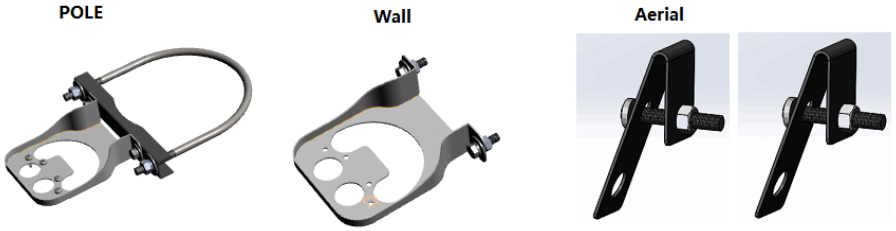
8.Using abrasive strip to rough the surface of the cable sheath and ports



12. close the closure with the clamp.



9. Clean the cable surface and ports



13.Choose the suitable mounting kits for different installation environment.

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