

Fiber Optical Dome Closure
530mm x 185 diam.

Drawing no.
M2AX-96

Article information



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.

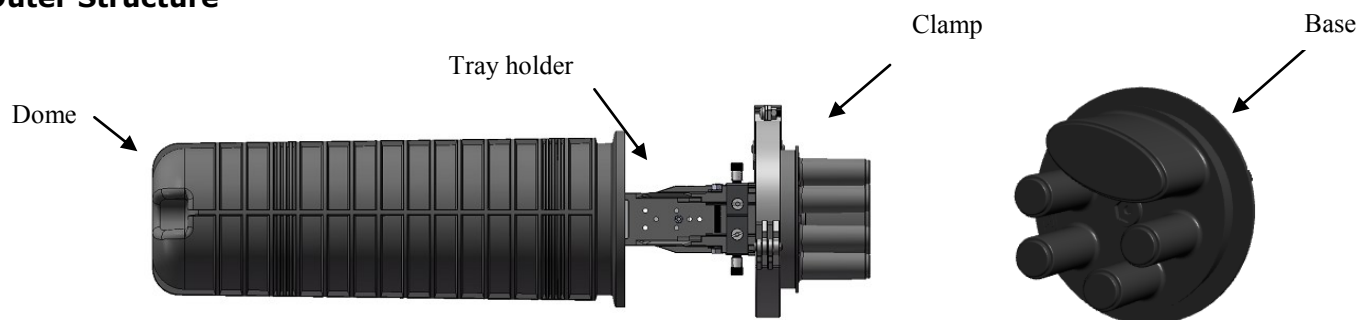
Dome-to-base design; up to 4 pieces splice trays, hinge for access of any splice without disturbing others trays; Fast and reliable sealing performance, easy to package multiple times. With lightning protection grounding device, it can be applied in overhead, wall mounting or directly buried.

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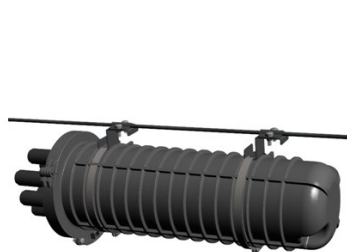
Outer Structure



Main components

Item	Description	Qty	Function
1	Dome	1 pcs	Protect the inner component
2	Clamp	1 pcs	Lock the Closure
3	Base	1 pcs	Protect the inner closure and bring in cables
4	Cable strengthen member attach plate	1 set	Fix the cable strength member
5	Tray	Max 4 pcs	Splice and store the Optic Cable

Applications



In Ground - direct burried.

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Installation Guidance



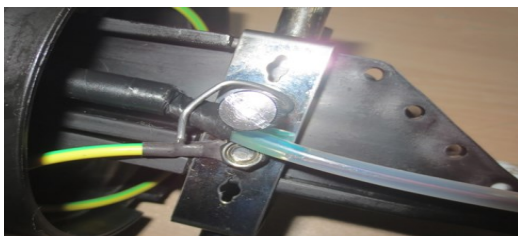
- 1:
Cut the ports by a saw, need to guide in the cable(s).



- 2:
Pull 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.

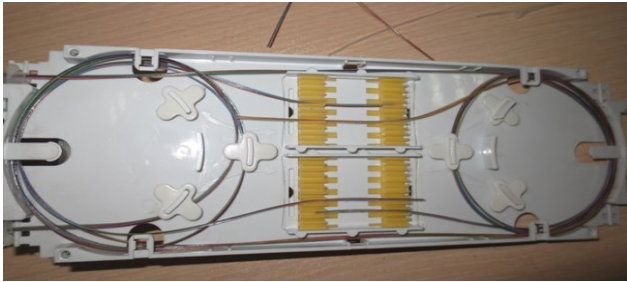


- 4:
- Remove the loose tube of the cable and clean the bare fibers.
 - Put them through the transparent PE tube, strip by strip.
 - Use PVC tape to wrap the end of the PE tube and cable.

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5:
Coiling the optic fibers in the splice trays as image,
From the bottom tray to the top one.

Splice the fibers - add the heat shrink and
fix them into the tray.

Finally cover the tray with the lid.

6:
Use the Velcro strip, to bind the trays.

7:
Using abrasive strip to rough the surface of the cable
sheath and ports slightly.

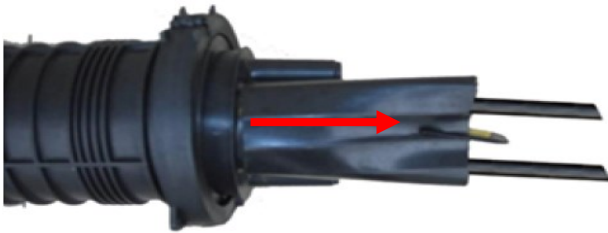


8:
Clean the cable surface and the ports.

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9:
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 marked place. (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 stick to the cable. Heat the tube to shrink to seal from the direct on 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 mean time to seal the space.)



10:
Heat the round ports by following the same steps like the oval port.



11:
Close the Closure with the clamp.

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Technical Data

Material Dome Closure	Modified PP+GF, Black
Material splice tray	ABS, White
Metal parts	Stainless steel
Size	High: 531mm — Diameter: 185mm
Entry Ports	1 x Oval port + 4 x round port
Oval port	For 2 x 10-25mm Cables
Round port	Max 4 x 6-19mm Cables
Max. number of Splice trays	4
Tray Capacity	Max 24 fiber per. Tray
Number of splices	Max 96 Fiber splices
Sealing method	Heat Shrink
Application	Aerial, directly buried, Wall/pole mounting
IP Class	IP68
Working temp	-40C° - +65C°
Atmospheric Pressure	62—106Kpa
Axial Tension	> 1000N/1 min
Flatten Resistance	2000N/100mm (1min)
Insulation Resistance	>2*104MΩ
Voltage strenght	15KV(DC) /1min
Temp. Recycle	Under -40C° ~ +60C° With 60(+5)Kpa, inner pressure, in 10 cycles, inner pressure shall decrease less than 5Kpa when closure turns to normal temerature
Durability	Min. 25 Years
Brutto weight	3,875 kg

Ordering information

Order no.	EAN Code	Description	Colour	Packsize
M2AX-96	5705721141111	Dome Closure 530 x 185mm for max. 96 splices	Black	1 pcs.