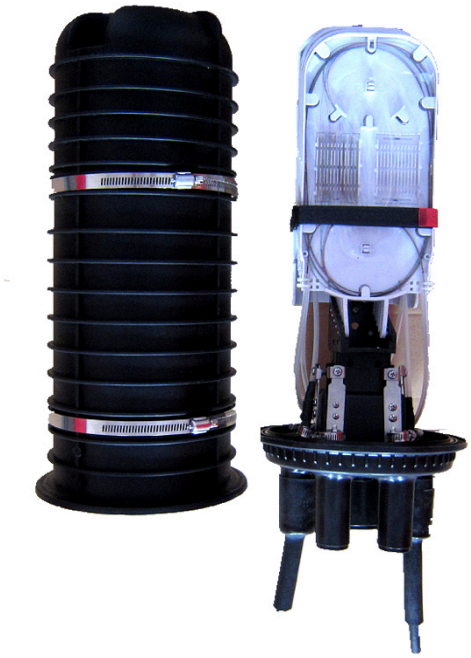


1.1 Introduction:

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, wall mounting or directly buried.

1.2 Specification:

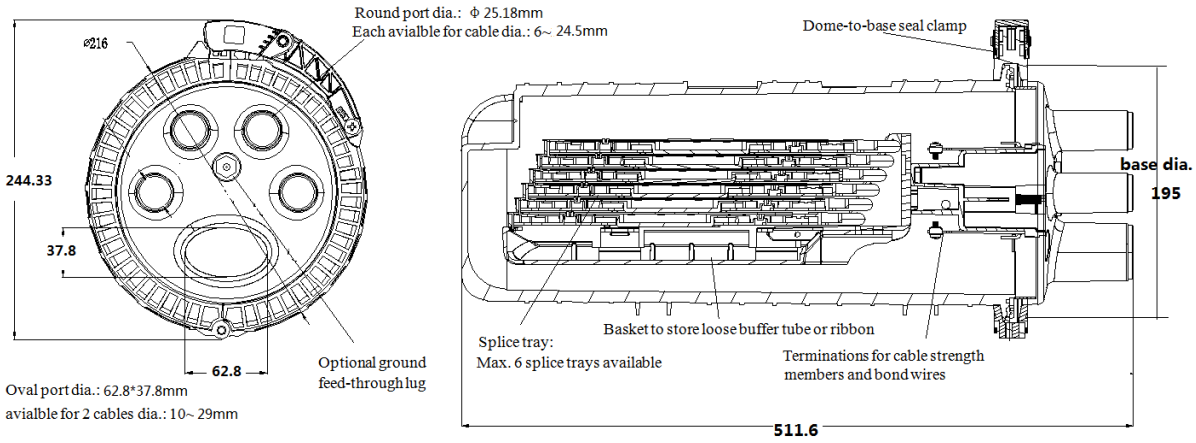
Model:		**HDCAN-144**	
Size: With clamp biggest outer dia.	511.6*244.3 mm	Raw material	Dome,clamp： modified PP, Base：Nylon +GF Tray: ABS Metal parts：Stainless steel
Entry ports number:	1 oval port， 4 round ports	Available cable dia.	Oval port：available for 2 pcs, 10~29mm cables Round ports：Each available for 1pc 6-24.5mm cable
Max. tray number	6 trays	Base sealing method	Heat-shrink
Tray capacity：	24F	Applications:	Aerial, directly buried, Wall/ pole mounting
Max. closure splice capacity	144 F	IP grade	68

1.3 Order Guidance:

HDCAN-144：

Install up 6 splice trays, each supports up to 24F splice, splice in the tray middle, total 144F maximum.

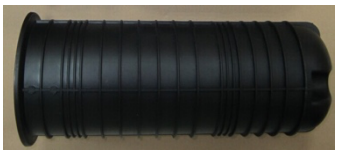
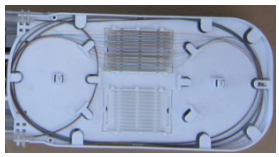
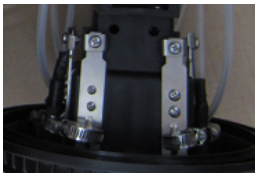
1.4 Exterior Structure Diagram

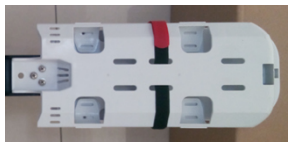
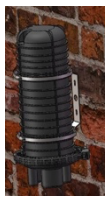
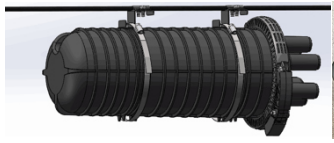
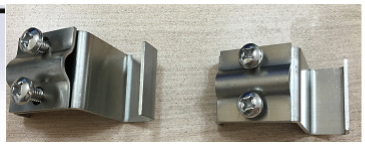


1.5 Technical Parameter:

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	 ST-PA-24-HD
Clamp	1pc		Valve	1	 optional
Base	1pc		Modified O-ring	1	
Cable Strengthen member attach plate	1set		Velcro strip with one X flake	1	

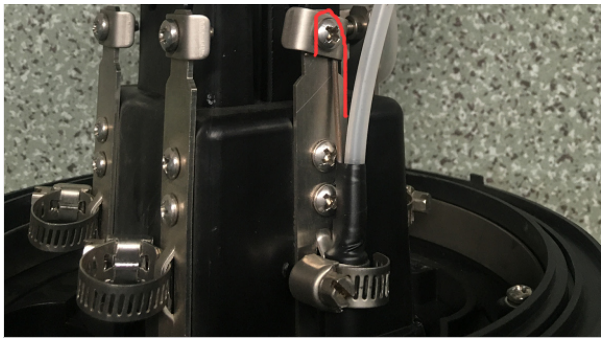
<table>
<tr><td>optic joints protection tube</td><td>Max. 144</td><td colspan="3">  optional</td><td>Ground feed-through lug</td><td>1</td><td>  optional</td></tr>
<tr><td>Storage basket</td><td>1</td><td colspan="3">  </td><td></td><td></td><td></td></tr>
<tr><td>Nylon tie & Transparent PE tube</td><td>8pcs/bag</td><td colspan="6">   Each two trays with one bag</td></tr>
<tr><td>Wall mounting kits</td><td>1 Standard offered with</td><td colspan="6">   optional</td></tr>
<tr><td>Aerial mounting kits</td><td>Order as optional</td><td colspan="6">   +  </td></tr>
<tr><td>Pole mounting kits</td><td>Order as optional</td><td colspan="6">   2pc +  4pcs</td></tr>
<tr><td>Round Port accessories bag</td><td>1 bag</td><td colspan="2">  </td><td>Items</td><td>Heat-shrink tube</td><td>4</td><td>  </td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Abrasive tape</td><td>1</td><td>  </td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Aluminum foil</td><td>4</td><td>  </td></tr>
<tr><td>Oval port accessories bag</td><td>1bag</td><td colspan="2">  </td><td>Items</td><td>Heat-shrink tube</td><td>1</td><td>  </td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Abrasive tape</td><td>1</td><td>  </td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Aluminum foil</td><td>2</td><td>  </td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Cleaning tissue</td><td>1</td><td>  optional</td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Desiccant</td><td>1</td><td>  optional</td></tr>
<tr><td></td><td></td><td colspan="2"></td><td></td><td>Shield continuity wire</td><td>1</td><td>  optional</td></tr>
</table>

				AMP clamp	1	 optional
				Branch off clip	1	

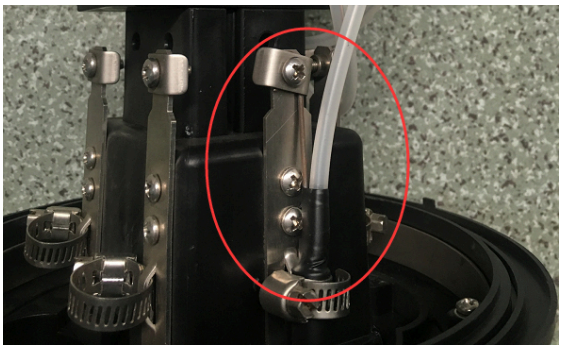
1.7 Installation Guidance

1. Cut the ports need to guide-in cable.

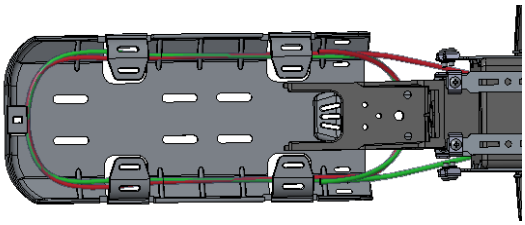
2. Put the cable through the heat-shrink tube



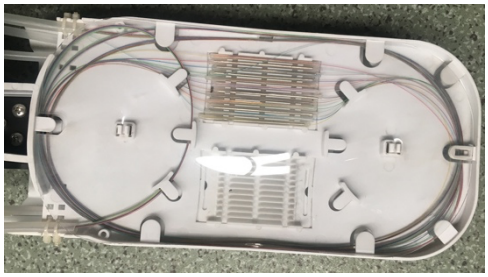
3. Remove the sheath of the cable and clean it. Cut the strengthen member to 5cm length. Put it through the attach screws and bend it to fix on the screw. Then tighten the screw.



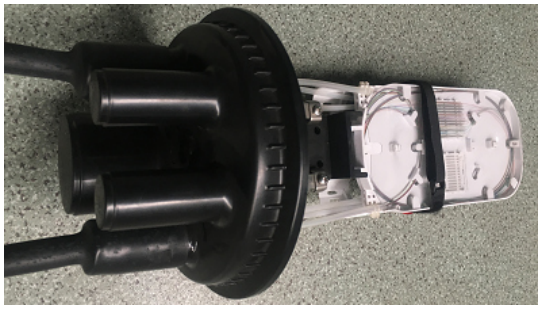
4. Remove the loose tube of the cable and clean the bare fibers. Put them through the transparent PE tube. Using PVC tape to wrap the end of the PE tube and cable.



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



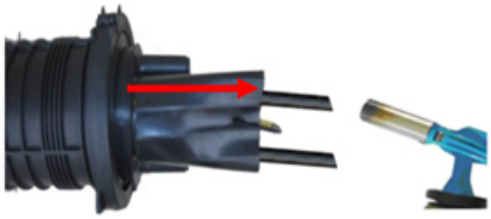
6. Coiling the optic fibers in the splice trays as above picture from the bottom tray to the top one. Fusion the joints and shrink the protective tubes and fix them in the tray. Put on the tray lid.



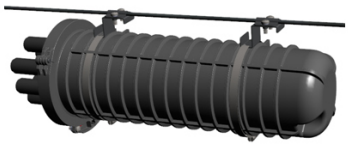
7. After fusion and store the fiber. Put on the anti-dust tray lid. Use the Velcro strip to bind the trays.

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

9. Clean the cable surface and ports.



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



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. Ensure blue line of the film is at the same position of the mark on the tube. (Edge which close to the blue line shall be in the tube. Other side out of the tube.) Use blunt tool to even the film tightly on the cable. Heat the tube to shrink to seal from the direction of the red arrow slowly. (If guiding 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.).

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

12. Close the closure with the clamp.