

INLINE FIBER OPTIC SPLICE CLOSURE 72 -96 - 144 CORES 8 MECHANICAL PORTS

AR-SP-I-3-24-72F-8C-M / AR-SP-I-4-24-96F-8C-M
AR-SP-I-6-24-144F-8C-M

① Description

The product provide with 8 fiber cable in-out round ports and the cable diameter is from $\Phi 10$ - $\Phi 22$. It can be used in aerial, duct and direct buried application. This product is made from the high-quality and with the mechanical sealing structure filled with the sealing material. The external component and fastening piece are all made from the high-quality stainless steel. It can be opened after sealing.

② Product Features

- All property indexes are in accordance with National YD/T814.1-2004Standard.
- The case body is made from imported high-intensity engineering plastics(ABS) and formed the shape with mould plastics under high pressure. It is in the shape of HALF rectangle, with the advantages of less weight, high mechanical intensity, corrosive-resistance, anti-thunderstruck and long service life.
- The case body and cable entrance are sealed with adhesive rubber strip(non-vulcanized) and sealed tape. Reliable sealing capability. It can be re-opened and easy to maintain.
- Unique disposition of 3 different cable loops($\phi 12.5$, $\phi 17$, $\phi 20$) enables user to choose different outer diameter according to actual conditions, It enhances the reliability of the cable entrance sealed.
- Overlapping fiber-melting tray and separate insulation earth unit make the disposition of the cores, expanding the capacity and cable-earthen flexible, convenient and safe.

③ Application

- Telecommunication subscriber loop
- Fiber to the home(FTTH)
- LAN/WAN

④ Product Specifications

Material Characteristics Single 18/14 mm Duct

Item	Parameter
Type	AR-SP-I-3-24-72F-8C-M AR-SP-I-4-24-96F-8C-M AR-SP-I-6-24-144F-8C-M
External Size	470(L)× 240(W) × 120 (H) mm
Net weight	3.5kg
Cable ports	Four cable entry port on each end
Way to install	Aerial, duct and buried applications
Cable diameter	Ø 10- Ø 22
Capacity of splice tray	24 single fiber
Max capacity of splice tray	8
Sealing structure	Sticky cincture
Work Temperature	-40°C ~+70 °C
Optical fiber winding radius	≥40mm
Extra loss of fiber tray	≤ 0.01dB
Fiber length left in tray	≥ 1.6m
Max Capacity	Fiber capacity: single:96cores, tape-shaped: 192
Lateral pressure-resistance	≥2000N / 10cm
Shock-resistance	≥20N.m

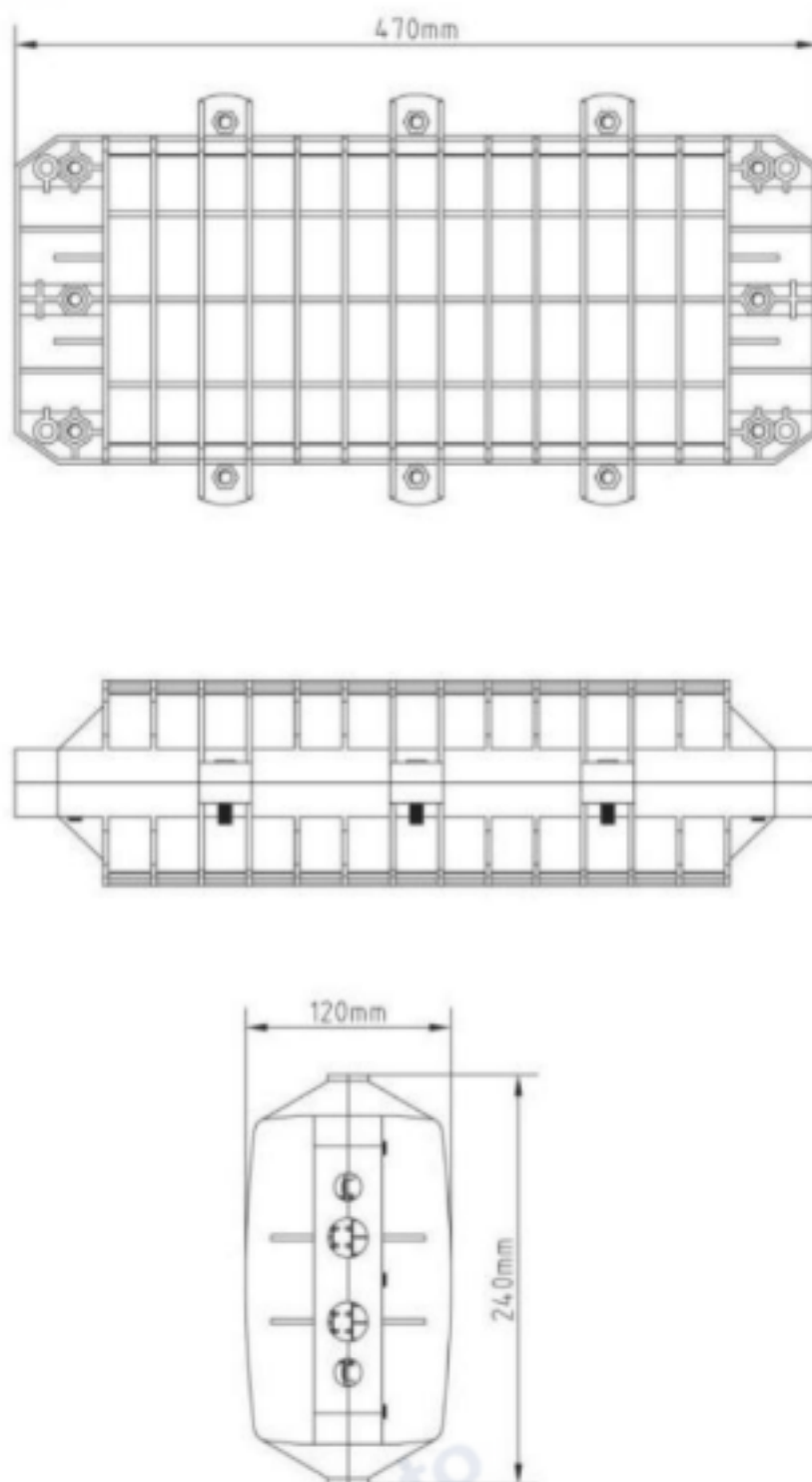
⑤ Operations

- Choose the cable loop with proper outer diameter and let it go through the optical cable. Peel the cable , take off the outer and inner housing, as well as loose contract tube, and wash off the filling grease, leaving 1.1~1.6m fiber and 30~50mm steel core.
- Fix the cable pressing card and cable, together with cable reinforce steel core. If the diameter of the cable is less than 10mm, first bind the cable fixing point with adhesive tape till the diameter has reached 12mm, then fix it.
- Lead the fiber into the melting and connecting tray, fix heat contract tube and heat melt tube to one of the connecting fiber. After melting and connecting the fiber, move heat contract tube and heat melt tube and fix the stainless (or quartz)reinforce core stick ,make sure the connecting point is in the middle of the housing pipe. Heat the pipe to make the two into one. Put the protected joint into the fiber-laying tray.(one tray can lay 12 cores)
- Lay the left fiber in the melting and connecting tray evenly, and fix the winding fiber with nylon ties. Use the trays from the bottom up. After all the fiber has been connected, cover the top layer and fix it.
- Position it and use the earth wire in accordance with the project plan.
- Sealing the cable retainer nearing the inlet of splice closure and the joint of the cable rings with sealing tape. And close the unused inlets with plugs, with exposed concave parts of the plug sealed with tapes. Then put sealing trips into the sealing groove on the sides of the shell and grease the concave part of inlet of the body between the two parts of the shell. Then close the two parts of the shell and tighten it with stainless steel bolts. The bolts should be screwed tightly with balanced force.
- According to the laying requirement, position and fix the hanging tool .

⑥ Packing list

Number	Item	Parameter	Quantity
1	Joint box body		1 piece
2	Splice Tray 24 core		1 ~8 piece
3	Frame		
4	Melted fiber pack	melting pipe housing stainless reinforced core stick label nylon tie sand paper	1~192 pcs 1~192 pcs 1~48 pcs 4~64 pcs 1~9 pcs
5	Stainless steel accessories	M5×30 bolt and nut Hitcher M8×25 stainless steel bolt M8×35 stainless bolt 6mm inside hexagon spanner Embrace hoop \varnothing 13~19 Embrace hoop \varnothing 16~25	2 sets 2 pcs 8 pcs 2 pcs 1pc 4 pcs 4 pcs
6	Plastics accessories kit	Big, small plug cable loop \varnothing 12.5 cable loop \varnothing 17 cable loop \varnothing 20	Each 2 pcs 8 pcs 8 pcs 8 pcs
7	Adhesive tape		1coil
8	Sealed strip unit		1 piece

7 Dimensions



8 Ordering information

Model	Description	Size	Package	Weight/carton
AR-SP-I-1-24-12F-8C-M	Fiber Closure Horizontal type 12 Cores Max , 24 Cores Splice Tray 4 IN 4 OUT Mechanical Splicing type A	470*240*120mm	500*510*58/8	28.5KG/8
AR-SP-I-1-24-24F-8C-M	Fiber Closure Horizontal type 24 Cores Max , 24 Cores Splice Tray 4 IN 4 OUT Mechanical Splicing type A	470*240*120mm		28.5KG/8
AR-SP-I-2-24-48F-8C-M	Fiber Closure Horizontal type 48 Cores Max , 24 Cores Splice Tray 4 IN 4 OUT Mechanical Splicing type A	470*240*120mm		28.5KG/8
AR-SP-I-3-24-72F-8C-M	Fiber Closure Horizontal type 72 Cores Max , 24 Cores Splice Tray 4 IN 4 OUT Mechanical Splicing type A	470*240*120mm		29KG/8
AR-SP-I-4-24-96F-8C-M	Fiber Closure Horizontal type 96 Cores Max , 24 Cores Splice Tray 4 IN 4 OUT Mechanical Splicing type A	470*240*120mm		29KG/8
AR-SP-I-6-24-144F-8C-M	Fiber Closure Horizontal type 144 Cores Max , 24 Cores Splice Tray 4 IN 4 OUT Mechanical Splicing type A	470*240*120mm		29KG/8