

**BOX FTTH**



**BY FIBER SYSTEM**

**PRODUCT MANUAL**

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DOME SPLICE 48 CORES



# **DOME SPLICE**

## **48 CORES**

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# Product Overview

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The Dome Fiber Optic Splice Closure is used in aerial, wall-mounting applications, for the straight-through and branching splice of the fiber cable. The closure has four round entrance ports and one oval port. The shell of the product is made from PP and the trays are made from ABS.

The shell and the base are sealed by pressing the silicone rubber with clamp allocated. The entry ports are sealed by thread plastic device. The closures can be opened again after be sealed, reused again without changing the sealing material.

The dome type fiber optic splice closure with the maximum 144 cores has 2 inlets and 4 outlets. This fiber optic splice closure can be installed 6 splice trays, and each splice tray can accommodate 24 fibers. The box body is made of reinforced plastic, which has high strength, corrosion resistance, mature structure, reliable sealing and convenient construction.

Fiber optic splice closure plays a role in protecting the optical cable connection, which can meet the requirements of overhead, pipeline installation methods. It is one of the main equipment for user access points. It mainly completes the indoor/outdoor connection of the distribution optical cable and the household line optical cable. It is widely used in communications, Network system, CATV cable TV, optical cable network system, etc.

# Main Characteristics

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- The fiber optic splice closure can be used for fusion splicing of part of the main optical cable and branch optical cable, part of the main optical cable and pigtail



- The splice closure has the characteristic of innovative structural design, convenient and reliable installation. The whole set of plastic parts adopts scientifically formulated high-strength PP, PC engineering plastics. The injection molding can be used in a natural environment of 40 +65 for a long time.

- The elastomer sealing member can be repeatedly opened and still maintain good sealing performance.

- The increase or decrease of the fiber splice tray is quick and time-saving. The turning angle of the splice tray can reach above 90 , which provides convenience for expansion and maintenance in the future.

- The fiber optic joint box can be mounted on the wall, pole, pipe, overhead. For the construction of optical fiber network, FTTH access reduces costs and improves communication quality.

# Technical Specifications

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<b>Dimension(D*H)mm</b>	D100*H340
<b>Max capacity</b>	48 cores, each tray 12fibers
<b>Cable ports</b>	1 oval+2round ports
<b>Cable diameter</b>	7-18mm
<b>Material</b>	PS
<b>Temperature range</b>	- 400C ~ + 650C
<b>Relative humidity</b>	≤95%(40°C)
<b>Atmospheric pressure</b>	70kpa-106kpa
<b>Connector loss (insert, repeat)</b>	≤0.5db
<b>Mechanical Durability Test</b>	≥1000 times
<b>Warranty time</b>	20years



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