Fiber Optic Splice Dome Closure

Technical data pages by Spectrum

144 Fibers 1 Oval Port and 4 Round Ports Dome Fiber Optic Splice Closure

Part Number: 023950



Spectrum 144 Fibers Dome Splice Closure is a versatile and reliable fiber management solution engineered for splicing, branching, and protecting fiber connections in FTTx, backbone, and access networks. The product comes with one pre-installed 24-fiber splice tray and supports up to 6 trays, enabling a maximum splice capacity of 144 fibers. It features 1 oval port and 4 round ports compatible with loose tube and SZ stranded cables with outer diameters from Φ8 to 18mm. Ideal for aerial, duct, handhole, direct burial, and wall-mounted deployments, it offers broad adaptability across various installation environments.

Constructed with a rugged PP+GF housing, the closure delivers excellent resistance to UV, moisture, corrosion, and mechanical impact. The reinforced inner structure enhances durability and maintains fiber integrity under harsh outdoor conditions. A snap-fit sealing mechanism allows quick cover opening without tools, ensuring simple operation and easy maintenance in scenarios requiring frequent access. Compliant with industry standards, this closure ensures long-term reliability and stable performance in demanding scenarios.

General Features

- IP68-Rated Mechanical Seal for Superior Waterproof and Dustproof Protection
- Pre-installed with 1x 24F Tray, Expandable to 6 Trays for up to 144 Fibers
- Supports 8–25mm Diameter Range, Compatible with Various Cable Types
- Compact, Rugged PP+GF Design Ensures Durable Environmental Protection
- Tool-Free Snap-Lock Design Allows Fast Installation and Easy Re-entry for Maintenance
- Flexible Deployment for Wall-Mounting, Aerial, Underground, and Handhole Installations

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Technical Specification

Parameter	Description
Style	Dome
Dimensions (mm)	525 × Φ225
Weight (kg)	3.8 - 4.3
Material	PP+GF
Sealing Type	Mechanical Seal
Protection Grade	IP68
Cable ports	Oval port*1 Branch port*4 Φ8 – Φ25 mm
Closure Max Capacity	Single fiber splicing 144F
Splice Tray Capacity	Single fiber splicing per tray
Max No. tray installed	24F
Installation	Aerial, wall, pole, underground, pipeline etc.

Accessories	
Cable Ties	1 bundle
Heat-Shrink Splice Protection Sleeves	144 pcs
Numbered Identification Label Sheets	6 sheets
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Double-Hole Rubber Cable Sealing Grommets	2 pcs
Cable Sealing Tubes	6 pcs
Adjustable Wrench	1 pc
Grounding / Bonding Wire Assembly	1 set
Rubber Sealing Ring	1 pc
Stainless-Steel Mounting Bracket Assembly	1 set

Logistics	
Packing Dimensions (mm)	455xΦ225
Weight	3.5 kg
Use	inside, IP68

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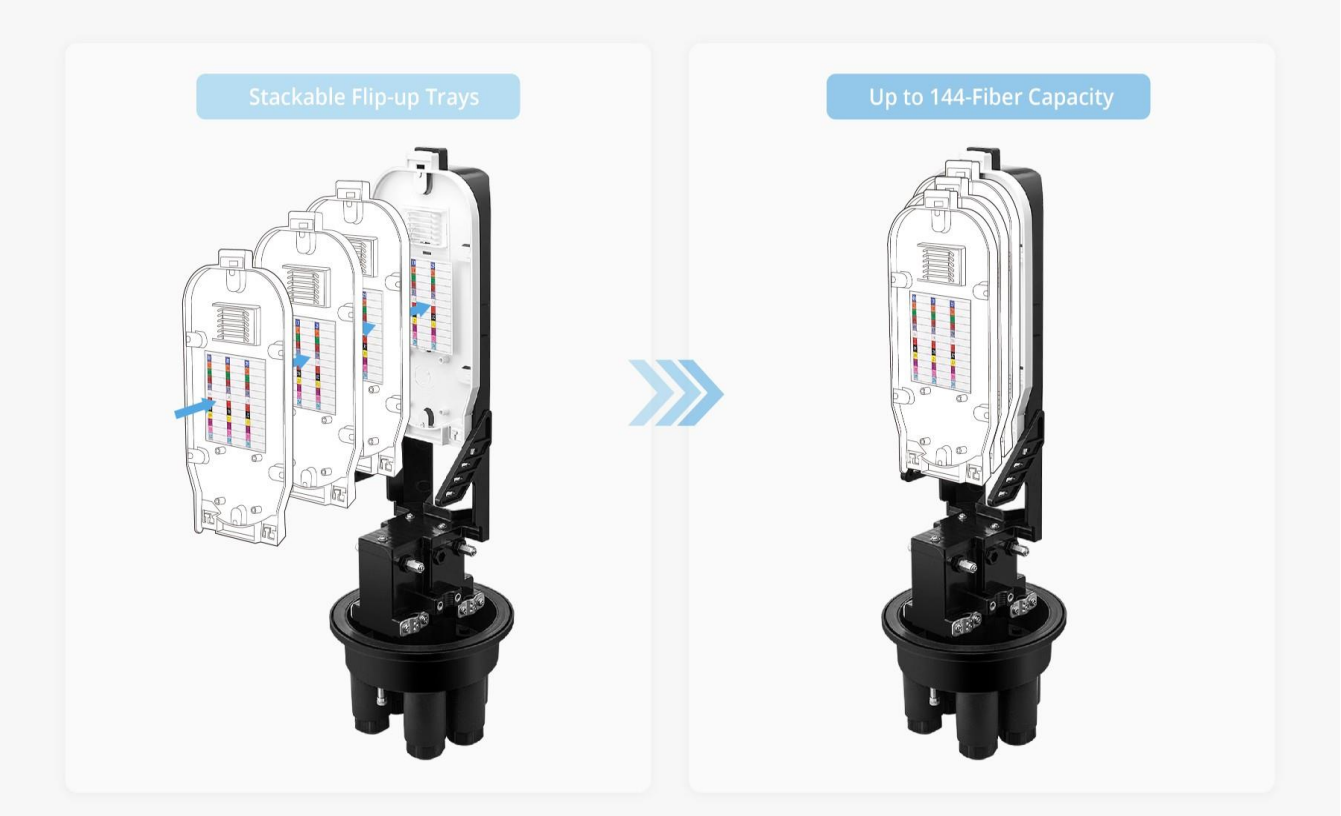
Stackable Trays for High-Density Networks

Up to six stackable, flip-up 24F Trays provide 144-fiber capacity, combining dense splicing with easy maintenance access. With broad cable compatibility and adaptable 8–20mm ports, it ensures flexible deployment in complex network environments.



Tool-Less Snap-Fit Design for Fast Deployment

The snap-fit sealing enables tool-less opening and closing, ensuring efficient installation and easy maintenance for frequent servicing.



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Versatile Mounting Options for Easy Deployment

Supports wall-mount, aerial, pole, and underground installation for rapid deployment across diverse scenarios.



Aerial Installation



Wall-Mount Installation



Underground Installation



Pole Installation

Designed for Diverse FTTH Networks

Ideal for FTTx access, metropolitan area networks, and enterprise campuses, enabling efficient network expansion and reliable performance.

