

Optical Fiber Closure

TECHNICAL DATA SHEET

**Dome Type Fiber Optic Splice Closure –
144F / 288F / 576F**



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Product Description

The CFO-FJB-M39A Dome Fiber Optic Splice Closure is a high-capacity outdoor fiber management enclosure designed for protecting and managing fiber optic splices in FTTH, FTTx, backbone, metro, and telecommunication networks. The closure supports multiple capacity configurations up to 288 fusion splices using 24 splice trays (12 fibers per tray) and is suitable for aerial, underground, duct, direct burial, wall-mounted, and pole-mounted installations.



Constructed from modified polypropylene reinforced with glass fiber (PP+GF) and ABS splice trays, with stainless steel hardware, the enclosure provides exceptional mechanical strength, UV resistance, corrosion resistance, and long-term environmental protection. Its IP68-rated enclosure utilizes a heat-shrink sealing system for reliable waterproof and dustproof performance.

Product Features

- Supports 144F, 288F, and 576F network applications
- Maximum 288 fiber splice capacity
- Heat-shrink cable sealing system
- IP68 waterproof and dustproof protection
- High-strength modified PP + GF housing
- ABS hinged splice trays
- Stainless steel internal hardware
- Flip-down splice trays for convenient maintenance

- Supports mid-span cable entry
- Re-enterable without special tools
- Optional grounding device and pressure valve
- Suitable for loose tube and ribbon fiber cables
- UV-resistant, corrosion-resistant, and weatherproof
- Long service life for harsh outdoor environments

Applications

- FTTH Access Networks
- FTTx Networks
- GPON Networks
- CATV Systems
- Telecommunications Networks
- Optical Distribution Networks
- Backbone Fiber Networks
- Direct Burial Installations
- Underground Duct Networks
- Aerial Fiber Networks



Product Specifications

Parameter	Specification
Product Type	Dome Fiber Optic Splice Closure
Model	CFO-FJB-M39A
Maximum Splice Capacity	288 Fibers

Supported Network Capacity	144F / 288F / 576F
Closure Type	Dome
Material	Modified PP + GF / ABS
Metal Parts	Stainless Steel
Protection Rating	IP68
Sealing Method	Heat Shrink Seal
Installation	Pole Mount, Wall Mount, Aerial, Underground, Direct Burial, Duct

Cable Port Specifications

Port Type	Specification
Oval Port	1 Port for Two Cables (Ø10–30 mm)
Medium Round Ports	8 Ports (Ø6–21 mm Each)
Small Round Ports	8 Ports (Ø6–16 mm Each)
Total Cable Ports	17

Splice Tray Configuration

Tray Type	Specification
12F Tray	12 Fibers per Tray
Maximum 12F Trays	24
Maximum Capacity	288 Fibers

Physical Specifications

Item	Specification
Outside Dimensions	504 × Ø298 mm
Housing Material	Modified PP + Glass Fiber
Splice Tray Material	ABS
Metal Hardware	Stainless Steel
Color	Black

Optical Performance

Parameter	Specification
Fiber Bend Radius	≥40 mm
Additional Insertion Loss	≤0.01 dB
Fiber Protection	Heat Shrink Sleeves

Mechanical Performance

Test Item	Specification
Side Pressure Resistance	≥ 2000 N / 10 cm
Impact Resistance	≥ 20 N·m
Voltage Strength	15 kV / 1 Minute (No Flashover or Breakdown)
Re-entry Capability	Yes
Grounding Device	Optional

Environmental Performance

Test Item	Specification
Operating Temperature	-40°C to +65°C
Protection Rating	IP68
Waterproof	Yes
Dustproof	Yes
UV Resistance	Excellent
Corrosion Resistance	Excellent
Weather Resistance	Outdoor Rated

Package Contents

Dome Fiber Optic Splice Closure

Splice Trays (according to ordered configuration)

Heat Shrink Sealing Kit

Cable Sealing Accessories

Grounding Kit

Mounting Hardware

Installation Manual