



PN: FLOFDC96C

Optical Fiber Closure

TECHNICAL DATA SHEET

**FTTH 96 Core Dome Fiber Optic Splice
Closure**



FTTH 96 Core Dome Fiber Optic Splice Closure

Product Description

The CFO-FJB-M09 Dome Fiber Optic Splice Closure is a high-performance outdoor fiber management enclosure designed for protecting fiber optic splices and cable distribution in FTTH, FTTx, CATV, and telecommunications networks. The closure accommodates up to 96 loose-tube fibers or 288 ribbon fibers, making it suitable for access, distribution, and backbone network applications.



Manufactured from high-strength engineering plastic, the enclosure provides excellent resistance to UV radiation, corrosion, impact, and aging. The IP68-rated enclosure utilizes a heat-shrink sealing system with reusable rubber sealing rings to ensure reliable waterproof and dustproof protection. It is suitable for aerial, wall-mounted, pole-mounted, duct, direct-buried, and manhole installations.

Product Features

- Supports up to 96 loose-tube fibers or 288 ribbon fibers
- Maximum 6 splice trays
- 24 fibers per splice tray
- IP68 waterproof and dustproof protection
- Heat-shrink cable sealing system
- Reusable rubber sealing rings
- High-strength UV-resistant engineering plastic housing
- Wide fiber storage area with optimized bend radius
- Optional air inflation valve for sealing integrity testing
- Easy re-entry and maintenance

- Suitable for loose tube and ribbon fiber cables
- Excellent weather, corrosion, and impact resistance

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-M09
Loose Tube Capacity	96 Fibers
Ribbon Fiber Capacity	288 Fibers
Splice Tray Capacity	24 Fibers per Tray
Maximum Number of Trays	6
Closure Type	Dome
Material	High-Strength Engineering Plastic

Color	Black
Protection Rating	IP68
Sealing Method	Heat Shrink Seal + Reusable Rubber Seal
Installation	Wall Mount, Pole Mount, Aerial, Underground, Duct, Direct Burial, Manhole

Cable Port Configuration

Port Type	Specification
Oval Port	1 Port (Max. Ø30 mm, Mid-span Entry)
Round Ports	4 Ports (Max. Ø16 mm Each)
Total Cable Ports	5

Physical Specifications

Item	Specification
Outside Dimensions	460 × Ø205 mm
Housing Material	Engineering Plastic
Color	Black
Fiber Storage	Integrated
Air Inflation Valve	Optional

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

Environmental Performance

Test Item	Specification
Operating Temperature	-40°C to +60°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
- Up to 6 Splice Trays
- Heat Shrink Sealing Kit
- Cable Sealing Accessories
- Mounting Hardware
- Installation Manual