

Optical Fiber Closure

TECHNICAL DATA SHEET

**336 Core 9+1 Ports Dome Fiber Optic
Splice Closure**



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Product Description

The CFO-FJB-M06 Dome Fiber Optic Splice Closure is a high-capacity outdoor fiber management enclosure designed for the protection, storage, and distribution of optical fiber splices in FTTH, FTTx, GPON, CATV, and telecommunications networks. Designed for both straight-through and branch cable splicing, it supports up to 336 single fibers using high-capacity splice trays.



The closure features 10 cable entry ports (9 round ports and 1 oval port), providing excellent flexibility for feeder and distribution cable management. Manufactured from high-strength engineering plastic, the enclosure offers outstanding resistance to UV radiation, corrosion, impact, and aging. The IP68-rated sealing system combines a mechanical clamp with heat-shrink cable seals to ensure reliable long-term waterproof protection in demanding outdoor environments.

The closure is fully re-enterable and suitable for aerial, wall-mounted, pole-mounted, underground, duct, and hand-hole installations.

Product Features

- Supports up to 336 single fiber splices
- Available with 24F or 48F splice trays
- High-strength UV-resistant engineering plastic housing
- IP68 waterproof and dustproof protection
- Heat-shrink cable sealing system
- Mechanical clamp with reusable silicone rubber seal
- 10 cable entry ports (9 round + 1 oval)
- Suitable for straight-through and branch splicing

- Hinged splice trays for convenient maintenance
- Re-enterable without replacing sealing materials
- Excellent resistance to corrosion, impact, UV, and aging
- Long service life for outdoor applications

Applications

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

Product Specifications

Parameter	Specification
Product Type	Dome Fiber Optic Splice Closure
Maximum Fiber Capacity	Up to 336 Fibers
Closure Type	Dome
Housing Material	High-Strength Engineering Plastic
Color	Black
Protection Rating	IP68
Sealing Method	Heat Shrink Seal + Mechanical Clamp
Installation	Pole Mount, Wall Mount, Aerial, Underground, Duct

Cable Port Configuration

Port Type	Specification
Oval Port	1 Port (Max. Ø35 mm)
Round Port 1	1 × Ø26 mm
Round Ports 2	4 × Ø20 mm
Round Ports 3	4 × Ø23 mm
Total Cable Ports	10

Splice Tray Configuration

Parameter	Specification
Maximum Number of Trays	7
Tray Capacity Options	24 Fibers or 48 Fibers
Maximum Capacity (24F Tray)	168 Fibers
Maximum Capacity (48F Tray)	336 Fibers

Physical Specifications

Item	Specification
Outside Dimensions	510 × Ø225 mm
Housing Material	UV-Resistant Engineering Plastic
Seal Material	Silicone Rubber
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
Re-entry Capability	Yes
Mechanical Seal	Clamp Locking System
Impact Resistance	High
Corrosion Resistance	Excellent
UV Resistance	Excellent

Environmental Performance

Test Item	Specification
Protection Rating	IP68
Operating Temperature	-40°C to $+65^{\circ}\text{C}$ (<i>Typical Outdoor Application</i>)
Waterproof	Yes
Dustproof	Yes
Weather Resistance	Excellent
Suitable Environment	Outdoor

Package Contents

- Dome Fiber Optic Splice Closure
- Splice Trays (According to Configuration)
- Heat Shrink Sealing Kit
- Silicone Rubber Seals
- Cable Sealing Accessories
- Mounting Hardware
- Installation Manual