



PN: FLOFDCH144C

Optical Fiber Closure

TECHNICAL DATA SHEET

**144 Core Heat Shrinkable Fiber Optic
Splice Closure**



144 Core Heat Shrinkable Fiber Optic Splice Closure

Product Description

The CFO-FJB-M32 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, CATV, and telecommunication networks. It is suitable for straight-through and branch splicing of optical cables in aerial, underground, wall-mounted, pole-mounted, duct, and hand-hole installations.



Constructed from high-strength engineering plastic (polycarbonate housing) with anti-aging additives, the closure offers excellent resistance to UV radiation, corrosion, impact, and harsh outdoor environments. The enclosure features a heat-shrink cable sealing system combined with a mechanical clamp and silicone rubber gasket, providing IP68-rated waterproof and dustproof protection. It is fully re-enterable and reusable without replacing the sealing components.

Product Features

- Supports up to 144 loose-tube fibers or 288 ribbon fibers
- High-strength polycarbonate engineering plastic housing
- UV-resistant, anti-aging, and corrosion-resistant construction
- IP68 waterproof and dustproof protection
- Heat-shrink cable sealing system
- Mechanical clamp with reusable silicone rubber sealing
- Hinged splice trays for convenient maintenance
- Re-enterable design without replacing sealing materials

- Supports straight-through and branch cable splicing
- Suitable for loose tube and ribbon fiber cables
- Lightweight yet highly durable construction
- Long service life in 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-M32
Loose-Tube Fiber Capacity	Up to 144 Fibers
Ribbon Fiber Capacity	Up to 288 Fibers
Closure Type	Dome

Housing Material	High-Strength Engineering Plastic (Polycarbonate)
Color	Black
Protection Rating	IP68
Sealing Method	Heat Shrink Seal + Mechanical Clamp + Silicone Rubber Gasket
Installation	Pole Mount, Wall Mount, Aerial, Underground, Duct, Hand Hole

Cable Port Configuration

Port Type	Specification
Oval Port	1 Port
Round Ports	4 Ports
Total Cable Ports	5
Supported Cable Diameter	Ø8–25 mm

Splice Tray Configuration

Parameter	Specification
Maximum Loose-Tube Trays	6
Maximum Ribbon Trays	4
Loose-Tube Tray Capacity	12 or 24 Fibers
Ribbon Tray Capacity	6 Ribbon Units
Maximum Loose-Tube Capacity	12–144 Fibers
Maximum Ribbon Capacity	Up to 288 Fibers

Physical Specifications

Item	Specification
Outside Dimensions	435 × Ø190 mm
Weight (Without Carton)	2.35–2.60 kg
Housing Material	Polycarbonate Engineering Plastic
Seal Material	Silicone Rubber

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 +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 Configuration)
- Heat Shrink Sealing Kit
- Silicone Rubber Seals
- Cable Sealing Accessories
- Mounting Hardware
- Installation Manual