Fiber Optic Enclosure Vertical

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Variants

96 Cores 24 Cores 12 Cores 72 Cores 48 Cores

Details

OUTDOOR FIBER PROTECTION

Reliable vertical Fiber Optic Splice Closure for splicing, distributing and protecting outdoor optical fiber cables. Available in **12, 24, 48, 72 and 96-core variants** for different FTTH, ISP, telecom and fiber infrastructure projects.

View Variants Check Price & Order

Fiber Optic Splice Closure

The **GJS-901-2 Fiber Optic Splice Closure** is designed for outdoor optical fiber cable splicing, branching, distribution and protection. Its vertical dome

structure provides a secure space for organizing fiber splices and protecting them from moisture, dust and harsh outdoor conditions.

The enclosure supports both **direct cable connection** and **branching connection**. It can be installed in aerial networks, on poles or walls, inside ducts and manholes, or in underground fiber cable systems.

Multiple capacity options allow installers and network operators to select the correct enclosure according to the number of fibers, cable routes, splice requirements and future network expansion.

Quick Highlights

Protection Grade

IP68

Available Capacity

12–96 Core

Cable Ports

4 Ports

Installation

Outdoor

Available Core Variants

Choose the enclosure capacity according to the number of fibers, splice points and future expansion required in the network.

COMPACT CAPACITY

12 Core

Suitable for small FTTH branches, CCTV fiber links and low-capacity distribution points.

View 12 Core

STANDARD CAPACITY

24 Core

Suitable for standard FTTH, ISP distribution and outdoor fiber branching applications.

View 24 Core

POPULAR

MEDIUM CAPACITY

48 Core

Suitable for medium-capacity distribution networks and multiple fiber cable branches.

View 48 Core

HIGH CAPACITY

72 Core

Designed for larger fiber distribution routes requiring increased splice organization.

View 72 Core

MAXIMUM CAPACITY

96 Core

Suitable for high-density ISP, telecom, backbone and large fiber distribution networks.

View 96 Core

Key Features

- IP68 dustproof and waterproof protection
- Suitable for outdoor fiber cable installations
- Supports direct and branching connections
- Supports aerial, wall and pole mounting
- Suitable for ducts, manholes and underground networks
- Four cable inlet and outlet ports
- High-quality engineering plastic construction
- Anti-aging and anti-corrosion properties
- Reliable sealing for harsh environments
- Booklet-style splice tray structure
- Minimum fiber bending radius of at least 40 mm
- Organized fiber management for easy maintenance

Applications

FTTH Distribution

Protects fiber splices and branching points in FTTH access networks.

Aerial Networks

Suitable for pole-mounted and overhead optical fiber cable routes.

Duct & Manhole

Provides sealed splice protection inside ducts and telecom manholes.

Underground Fiber

Protects outdoor fiber joints in underground optical cable networks.

Technical Specifications

Parameter	Specification
Model	GJS-901-2
Product Type	Vertical Fiber Optic Splice Closure
Available Variants	12 / 24 / 48 / 72 / 96 Core
Connection Type	Direct Connection / Branching Connection
Protection Rating	IP68
Material	High-quality engineering plastic
Dimensions	299 × 178 mm (Height × Diameter)
Weight	1550–1740 g

Parameter	Specification
Cable Ports	4 Cable Inlet / Outlet Ports
Cable Diameter	?8–?20 mm, multiple sizes supported
Fiber Bend Radius	?40 mm
Installation	Aerial / Wall / Pole / Duct / Manhole / Underground
Operating Temperature	-40°C to +65°C

Main Components

Component	Quantity	Function	Remarks
FOSC Cover	1	Protects fiber splices	226 × 132 mm
Splice Tray	Configuration varies	Holds fibers and splice sleeves	Booklet-style st
Fiber Holding Tray	1	Fiber organization	—
Base	1 Set	Structural fixing	—
Seal Fitting	1	Sealing protection	—
Pressure Valve	1	Pressure testing	Optional
Earthing Device	1	Grounding	Optional

Accessories and Tools

Heat-Shrink Sleeves

Protect completed optical fiber splices.

Nylon Ties

Secure fibers and internal cable routes.

Desiccant

Helps provide internal moisture protection.

Special Wrench

Used for tightening the enclosure structure.

Metal Hoop

Supports pole or wall mounting installation.

Shipping Information

Package	Package Size	Capacity	Weight
Inner Box	170 × 155 × 300 mm	1 Piece	1.65–1.85 kg
Outer Carton	490 × 370 × 625 mm	12 Pieces	19.8–22.2 kg

Capacity Selection and Installation Recommendation

Select the vertical fiber enclosure according to the current fiber core quantity, number of incoming and outgoing cables, required splice capacity and expected future expansion. Avoid selecting the enclosure only according to the cable core

count; sufficient space should also be maintained for fiber routing, splice sleeves and cable management.

During installation, clean and prepare every cable entry, secure the cable strength member, maintain the required fiber bending radius, organize fibers inside the trays and properly seal all used and unused cable ports to maintain outdoor protection.

Choose the Correct Fiber Optic Enclosure

D-TECH supplies vertical Fiber Optic Splice Closures for FTTH, ISP, telecom, CCTV, aerial, duct and underground optical fiber cable projects across Nepal.

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