InFOSE Inline Fiber Optic Splice Enclosure, 96F Capacity, Mechanical Seal, 6 In-Out Round Ports (PC)

Product Part Number

N151.IF006

Product Description

The **InFOSE Inline Fiber Optic Splice Enclosure** is a high-performance fiber splicing and protection solution designed for outdoor applications. Constructed from premium-quality **PC plastic**, this enclosure offers superior impact resistance, weatherproofing, and durability. With **6 in-out round ports** supporting cable diameters of **Φ23mm, Φ19.5mm, and Φ16mm**, it accommodates up to **96 fibers**, utilizing 4 splice trays (24F per tray). The mechanical sealing system, filled with a durable sealing material, allows secure closure, re-entry, and reuse without needing new sealing material. Designed for **aerial-hanging and wall-mount installations**, this enclosure is ideal for FTTH networks, backbone fiber infrastructure, and access networks.

Product Features

- 96F Capacity : Supports up to 96 fibers with 4 splice trays (24F per tray).
- Mechanical Sealing System : Ensures secure closure and allows re-entry without replacing sealing material.
- 6 In-Out Round Ports : Compatible with fiber cables of Φ23mm, Φ19.5mm, and Φ16mm diameters.
- Durable PC Plastic Construction : Lightweight, impact-resistant, and weatherproof for long-term outdoor use.
- Versatile Mounting Options : Aerial-hanged, wall-mounted deployments.
- Weatherproof Protection : Resistant to dust, moisture, and extreme temperatures for enhanced fiber longevity.

Applicable Standards

- **TIA-568-D.3** – Optical fiber cabling component standards.
- **IEC 60529** – Protection rating against dust and water (IP-rated).
- **GR-771-CORE** – Generic requirements for fiber optic splice closures.
- **RoHS Compliant** – Free from hazardous materials for environmental safety.

RoHS compliant

Material Specifications

Dimensions	450 × 216 × 110 mm
Weight	2.8 kg
Material	High-quality PC plastic
Cable Entry Ports	6 (3 In, 3 Out)
Supported Cable Diameter	2 Ports : Φ23mm, 2 Ports : Φ19.5mm, 2 Ports : Φ16mm
Splice Tray Capacity	24F
No. of Splice Trays	4 Trays
Maximum Fiber Capacity	96 Fibers
Sealing Mechanism	Mechanical Sealing with Sealing Material
IP Rating	IP65
Installation Method	Aerial-Hanged, Wall-Mounted

Environmental Specifications

Operating Temperature Range	-5℃ to +40℃
Storage Temperature Range	- 40℃ to 70℃

Accessories List

- Splice Protector Sleeve
- Adhesive Band
- Cable Ties
- Aerial Mounting Accessories
- Allen Wrench
- Insulation Tape

Ordering Information

N151.IF006	InFOSE Inline Fiber Optic Splice Enclosure, 96F Capacity (4 Trays x 24F), Mechanical Seal, 6 In-Out Round Ports (PC)

NORTHERN LINK

Shipping Information

Item	Dimension	Nominal Net Weight
Product	Length : 450mm Width : 216mm Depth : 110mm	2.8 kg

RoHS compliant