InFOSE Inline Fiber Optic Splice Enclosure, 144F Capacity, Mechanical Seal, 4 In-Out Round Ports (ABS)

Product Part Number

N151.IF004

Product Description

The **InFOSE Inline Fiber Optic Splice Enclosure** is designed for secure fiber optic splicing, protection, and cable distribution in outdoor environments. Constructed from high-quality **ABS plastic**, it offers durability, impact resistance, and environmental protection. Equipped with **4 in-out round ports**, this enclosure supports fiber cable diameters ranging from **Φ7mm to Φ18mm**. It accommodates up to **144 fibers** with 6 splice trays (24F per tray). The **mechanical sealing system**, filled with silicone rubber insulation tape, ensures a reliable, reusable, and weather-resistant closure. Ideal for aerial and wall-mounted installations, this enclosure is suitable for FTTH, access networks, and backbone fiber infrastructure.

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.

Product Features

- 144F Capacity : Supports up to 144 fibers with 6 splice trays (24F per tray, double-layer tube supported).
- Mechanical Sealing with Silicone Rubber : Ensures dustproof and waterproof performance, allowing re-entry and reuse without changing sealing material.
- 4 In-Out Round Ports : Compatible with fiber cables ranging from Φ7mm to Φ18mm.
- Durable ABS Construction : Lightweight, corrosion-resistant, and impact-resistant for long-term outdoor use.
- Versatile Mounting Options : Aerial-hanged, wall-mounted deployments.
- Environmental Protection : Sealing structure with silicone gum material or sticky cincture, ensuring enhanced weather resistance.

Material Specifications

Dimensions	466.5 × 179.8 × 120.6 mm
Weight	2.7 kg
Material	High-quality ABS plastic
Cable Entry Ports	4 (2 In, 2 Out)
Supported Cable Diameter	Φ7mm – Φ18mm
Splice Tray Capacity	24F
No. of Splice Trays	6 Trays
Maximum Fiber Capacity	144 Fibers
Sealing Mechanism	Mechanical Sealing with Silicone Gum / Sticky Cincture
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
- Allen Wrench
- Aerial Mounting Accessories

Ordering Information

N151.IF004	InFOSE Inline Fiber Optic Splice Enclosure, 144F Capacity (6 Trays x 24F), Mechanical Seal, 4 In-Out Round Ports (ABS)

RoHS Compliant

Shipping Information

Item	Dimension	Nominal Net Weight
Product	Length : 466.5mm Width : 179.8mm Depth : 120.6mm	2.7 kg

RoHS compliant