



# InFOSE Inline Fiber Optic Splice Enclosure, 144F Capacity, Mechanical Seal, 8 In-Out Round Ports (ABS)



## 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 Part Number

N151.IF005

## 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 **8 in-out round ports**, this enclosure supports fiber cable diameters ranging from **Ø8mm to Ø16mm**. 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.

## 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.
- **8 In-Out Round Ports** : Compatible with fiber cables ranging from Ø8mm to Ø16mm.
- **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	2.8 kg
Material	High-quality ABS plastic
Cable Entry Ports	8 (4 In, 4 Out)
Supported Cable Diameter	Φ8mm – Φ16mm
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°C to +40°C
Storage Temperature Range	- 40°C to 70°C

## Accessories List

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

## Ordering Information

N151.IF005	InFOSE Inline Fiber Optic Splice Enclosure, 144F Capacity (6 Trays x 24F), Mechanical Seal, 8 In-Out Round Ports (ABS)
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## InFOSE Inline Fiber Optic Splice Enclosure, 144F Capacity, Mechanical Seal, 8 In-Out Round Ports (ABS)

### Shipping Information

Item	Dimension	Nominal Net Weight
Product	Length : 466.5mm Width : 179.8mm Depth : 120.6mm	2.8 kg

