



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



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.IF019

Product Description

The **InFOSE Inline Fiber Optic Splice Enclosure** is a rugged and compact fiber management solution designed for secure optical fiber splicing and protection in outdoor environments. Constructed from **high-quality PP plastic (base and cover) and ABS plastic (internal components)**, it ensures durability, lightweight strength, and long-term reliability. Equipped with **4 cable ports (2 in, 2 out)** supporting fiber cables up to **Ø19mm**, this enclosure offers a secure mechanical sealing structure to protect against environmental factors. With six splice trays (each supporting 24 fiber splices), it can accommodate up to **144 fiber** splices, making it an ideal solution for high-density fiber distribution networks. With **IP65-rated** waterproof and dustproof protection, this enclosure is suitable for aerial hanging and wall-mounted installations, providing a reliable fiber optic splicing solution for telecom, broadband, and FTTx applications.

Product Features

- **Durable & Lightweight Design** : PP plastic body with ABS plastic internal components for impact resistance and durability.
- **High-Capacity Fiber Splicing** : Supports 6 splice trays, each holding 24 fibers, for a total of 144 fibers.
- **Multiple Cable Entry Options** : 4 cable ports (2 in, 2 out) for fiber cables up to Ø19mm, providing flexible installation.
- **Mechanical Sealing System** : Ensures IP68-rated waterproof and dustproof protection, allowing secure, long-term performance.
- **Installation** : Designed for aerial hanging applications.
- **Secure Cable Management** : Integrated cable strengthening core fixing for enhanced protection.





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Material Specifications

Dimensions	424 × 173.6 × 104 mm
Weight	1.8kg
Material	PP plastic (base & cover), ABS plastic (internal components)
Main Cable Entry Ports	4 Ports (2 In, 2 Out)
Supported Cable Diameters	Supports cables up to Ø19mm
Splice Tray Capacity	24F
No. of Splice Trays	6 Trays
Maximum Fiber Capacity	144 Fibers
Sealing Mechanism	Mechanical Seal
IP Rating	IP65
Installation Method	Aerial hanging

Environmental Specifications

Operating Temperature Range	-20°C to +40°C
Storage Temperature Range	- 40°C to 70°C

Ordering Information

N151.IF019	InFOSE Inline Fiber Optic Splice Enclosure, 144F Capacity (6 Trays x 24F), Mechanical Seal, 4 In-Out Round Ports (PP)
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Shipping Information

Item	Dimension	Nominal Net Weight
Product	Length : 424mm Width : 173.6mm Depth : 104mm	Weight : 1.8kg

