



DomeFOSE Dome Fiber Optic Splice Enclosure, 48F Capacity (1 Tray x 48F), Heat Shrink Seal, 4 Round & 1 Oval Ports (PP)



Applicable Standards

- **TIA/EIA-568** – Telecommunications Cabling Standards
- **IEC 61300** – Fiber Optic Interconnecting Devices & Passive Components Testing
- **GR-771-CORE** – Telcordia Generic Requirements for Fiber Optic Splice Closures
- **GR-487-CORE** – Telcordia Environmental Requirements for Outdoor Enclosures
- **IEC 60529** – Protection Against Dust & Water Ingress
- **ISO 9001** – Quality Management System Certification
- **RoHS & REACH Compliance** – Restriction of Hazardous Substances

Product Part Number

N152.DF015

Product Description

The **DomeFOSE Dome Fiber Optic Splice Enclosure** is a high-capacity, durable, and weather-resistant solution designed for fiber splicing in backbone, distribution, and FTTx networks. With a **48-fiber** capacity (1 splice tray x 48F), this enclosure is ideal for high-density fiber applications requiring secure and efficient splicing. The heat shrink sealing system ensures airtight protection against moisture, dust, and environmental elements, while the **4 round ports and 1 oval port** enable flexible cable management and easy installation. Constructed from high-impact **polypropylene (PP)** with UV resistance, it provides long-term reliability in outdoor environments.

Product Features

- **Medium Fiber Capacity:** Supports 48 fiber splices (1 tray x 48F) for backbone and distribution networks
- **Heat Shrink Sealing :** Ensures a watertight, dustproof, and highly secure seal
- **Flexible Cable Entry** 4 round ports + 1 oval port, allowing efficient fiber routing and expansion
- **Durable Polypropylene (PP) Construction :** High-impact resistant, UV-protected, and corrosion-resistant for outdoor durability
- **Suitable for multiple applications:** Aerial hanging, Pole-mounted, Wall-mounted, Duct installation and Direct buried applications
- **IP68 Rating:** Offers maximum protection against water, dust, and extreme weather conditions
- **Future-Proof & Easy Maintenance :** Designed for quick access, scalability, and efficient fiber management





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Material Specifications

Dimensions	139.8 x 349.1mm
Material	Outer Body : High-impact PP (Polypropylene) enclosure; Inner Splice Tray : Durable ABS plasticHigh-Quality ABS Plastic
Cable Entry Ports	1 oval port (24.5mm × 50mm) for loop-through cable entry without cutting 4 round ports: 2 × Ø20mm, 2 × Ø16mm
Splice Tray Capacity	48F
No. of Splice Trays	1 Tray
Maximum Fiber Capacity	48F
Sealing Mechanism	Heat Shrink Sealing
IP Rating	IP68

Environmental Specifications

Operating Temperature Range	- 40°C to 65°C
Storage Temperature Range	- 40°C to 70°C

Ordering Information

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Shipping Information

Item	Dimension
Product	Diameter : 139.8mm Height : 349.1mm

