



TwinDome Fiber Optic Splice Enclosure, 96F Capacity, Mechanical Seal, 4 Round 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

N151.TDF001

Product Description

The **TwinDome Fiber Optic Splice Enclosure** is a versatile and durable solution for fiber splicing applications in backbone, distribution, and FTTx networks. Designed with a dual-dome structure, this enclosure provides enhanced fiber management while maintaining a compact footprint. With a maximum capacity of **96 fibers** (4 trays x 24F), it is ideal for high-density splicing applications.

Built from high-impact **polypropylene (PP)** with UV resistance, the enclosure is designed to withstand extreme outdoor conditions while maintaining long-term performance. The mechanical sealing system ensures airtight and watertight protection without requiring specialized tools or heat shrink tubing. Equipped with **4 round ports**, the enclosure offers flexible cable entry and routing, making it an excellent choice for aerial, pole-mounted, wall-mounted, duct, and direct burial installations.

Product Features

- **96-Fiber Capacity** : Supports 4 splice trays (24 fibers per tray) for efficient fiber splicing
- **Mechanical Seal Design** : Simplifies installation with tool-free sealing, ensuring airtight, waterproof, and dustproof protection
- **Flexible Cable Entry** : 4 round ports for seamless cable routing and management
- **Durable PP Construction** : High-impact polypropylene (PP) with UV resistance, ideal for harsh environments
- **Versatile Mounting Options** : Supports aerial hanging, pole-mounting, wall-mounting, duct, and direct burial installations
- **IP68 Rated** : Resistant to moisture, dust, and UV exposure for outdoor applications
- **Simplified Design** : Easy installation and maintenance, reducing deployment time





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Material Specifications

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|------------------------|---|
| Dimensions | 177 x 500mm |
| Material | Outer Body : PP + UV-resistant for enhanced durability Inner Splice Tray : ABS plastic for fiber protection |
| Cable Entry Ports | 4 cable ports (2 in, 2 out) suitable for 11mm & 18mm cable entry or exit |
| Splice Tray Capacity | 24F |
| No. of Splice Trays | 4 Trays |
| Maximum Fiber Capacity | 96F |
| Sealing Mechanism | Mechanical Sealing - No Heat Shrink required |
| IP Rating | IP68 |

Environmental Specifications

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|-----------------------------|----------------|
| 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 : 177 mm Height : 500 mm |