

# Fiber Splice Dome Enclosure - 54 Splicing Trays, 648 Fiber Capacity, IP68 Rated

MODEL NUMBER: N600D-0648-54



Allows convenient outdoor connection of fiber cables and protects them from the elements in a large broadband deployment.

## Features

### Provides Durable, Customizable Protection for Outdoor Fiber Cable Runs

This fiber splicing dome enclosure comes with 54 splice trays that accommodate up to 12 unterminated cables each to give you more flexibility in adjusting cable lengths and connection types directly on-site. The N600D-0648-54 is ideal for singlemode and multimode fiber infrastructure in municipal broadband installations, including residential (Fiber to the Home or FTTH) and commercial (Fiber to the Premise or FTTP). This also includes underground fiber runs and those spanning utility poles.

### Flexible Connections in Your Fiber Network

By accommodating and protecting 648 splicing connections, the N600D-0648-54 provides a high level of scalability in your network design. The enclosure supports up to 18 cable entry passthroughs to support a variety of cable runs. Each hinged fiber splice tray allows access to internal cabling without having to remove other trays, making re-entry and re-use convenient.

### IP68 Rating Denotes Resistance to Dust and Water

The N600D-0648-54's IP68 rating means the enclosure is 100% protected against dust and able to endure immersion in 1.5 meters of water for up to 60 minutes with no damage or decline in performance.

### Cable Management That's User Friendly

Built-in labeling cards log which fiber is spliced to each of the 12 main MPO cable colors. Integrated cable ties keep cables well organized and secure. Included tubing protects each splice point.

### Multiple Installation Choices

Operating temperature range from -49°F to 149°F (-45°C to 65°C) supports safe installation in a wide range of outdoor climates. It can be installed on a pole, on a wall, on overhead telco lines or underground.

## Highlights

- Recommended for FTTH/FTTP installations, including long underground fiber runs
- Accommodates up to 648 singlemode and multimode splicing connections
- Hinged splicing trays provide easy access to cabling without removing other trays
- IP68 rated to allow outdoor installations in up to 1.5 meters of water
- Compatible with pole, wall, aerial or underground installation

## Package Includes

- N600D-0648-54 648 Fiber Splice Dome Enclosure
- (648) Splicing tubes
- (17) Heatshrink tubes
- EVA tube
- Silicon oil
- Insulation tape
- Cleaning paper
- Pole-mounting hardware
- Owner's manual

## Specifications

OVERVIEW	
UPC Code	037332279866



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Product Type	Dome Closure
Technology	Multimode; Singlemode
Optical Mode	OM1; OM2; OM3; OM4; OM5; OS2; SM
Panel Dimensions	11.81" X 25.98"
Mode Type	Multimode; Singlemode
<b>Firmware / Software Docs</b>	
Offset Ports	No
<b>CONNECTIONS</b>	
Number of Ports	18
Ports Detail	12 x 8-16 mm round4 x 14-22 mm round2 x 10-25 mm oval
Cassette Capacity	54
Side A - Connector 1	BARE FIBER
Side B - Connector 1	BARE FIBER
Total Capacity	648 fibers
Number of Cassette Splicing Trays	54
Splicing Tray Dimensions (hwd/mm)	8 x 109 x 133
Cassette Splicing Tray Capacity	12 fibers
<b>PHYSICAL</b>	
Color	Black; White
Material of Construction	Plastic
Number of Fibers	648
Housing Color	Black
Rackmountable	No
Shipping Dimensions (hwd / in.)	11.80 x 39.40 x 13.80
Shipping Weight (lbs.)	23.81
Shipping Weight (kg)	10.80
Unit Dimensions (hwd / in.)	25.980 x 11.810 x 25.980
Mounting Details	WALL, POLE, AERIAL
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	-49° to 149° F (-45° to 65° C)
Storage Temperature Range	-49° to 149° F (-45° to 65° C)
Operating Humidity Range	5% to 85% RH, non-condensing
Storage Humidity Range	5% to 85% RH, non-condensing



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FEATURES & SPECIFICATIONS	
Grounding	1 x feed-through ground stud
All-in-One Kit	No
Mounting Accessory Included	No
IP68 Rated	Yes
Ingress Protection (IP) Rating	IP68
Numbered Ports	No
Built-in Cable Management	No
Keystone Jacks	No
Built-in Cables	No
Color-Coded Connections	No
EIA/TIA 2/32 Spacing	No
Labeled Ports	No
Down-Angled Ports	No
Outdoor Use	Yes
STANDARDS & COMPLIANCE	
Protection Rating	IP68
Product Compliance	RoHS; REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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