

RIVO MULTITRADE OPTICAL SYSTEMS

Dimensions of a 288-core optical fiber junction box



Overview

There are 4 fiber optic cable access holes for the splice tray, which meet the requirements of all angles to enter the fiber.

Key Takeaways

A 288-core fiber optic junction box typically accommodates up to 12 splice trays (24 fibers per tray), features multiple round and oval cable ports, and is designed for IP68-rated outdoor use. Capacity and Splice Trays

The junction box can hold up to 288 fibers, organized in 12 splice trays, each supporting 24 cores. Some models allow for 20% additional capacity for future expansion. The splice trays are designed with adequate curvature radius to protect fibers and can be rotated like booklets for easy access.

Cable Ports

- Round ports: Typically 6–16 ports, with diameters ranging from 18mm to 26mm depending on the model.
- Oval port: 1 port, usually 38x70mm, allowing cable entry without cutting.
- Ports are heat-shrink or mechanical pressure sealed to ensure waterproofing and mechanical protection.

Mounting and Installation

The boxes support multiple installation methods:



- Wall-mounted
- Pole-mounted
- Aerial hanging

- Direct burial or duct installation

Material and Environmental Protection

- Constructed from high-strength engineering plastics with UV resistance and flame retardancy .

- IP68-rated, providing protection against dust and water ingress .

- Designed to withstand temperature ranges from -35°C to 70°C, chemical corrosion, and mechanical stress .

Cable Compatibility

- Supports up to 7 cables with a maximum diameter of 38mm .

- Each port is designed to maintain fiber integrity and allow for future expansion.

Summary

While exact external dimensions (height, width, depth) are not universally specified, a typical 288-core dome or vertical fiber optic splice closure is a high-capacity, durable, and weather-resistant enclosure suitable for outdoor and indoor fiber network installations. It integrates multiple splice trays, flexible cable entry ports, and robust materials to ensure long-term reliability in harsh environments .

Article Content

288-Core Dome Splice Closure — Large Capacity | TTI

Twelve splice trays accommodate up to 288 fiber cores, making this the highest-capacity dome closure for trunk-level cable junctions

144-288 Core Optic Splice Joint Closure Dome-Vertical Types

FeaturesDimensions and CapabilityOperation ConditionsFactors to Consider When Choosing Fiber Optic Closure Dimensions (D*H): 470mm*205mmMax Capacity: 288 CoresNumber of Cable Entrance/Exit: 1:6Diameter of Cable:6 small round ports(21mm) and 1 large oval port(65mm)See more on mefiber optic 5/5(5)bwnfiber

GJS-25-8 Fiber Cable Joint Box 288 Cores - BWNFiber

Model: GJS-25-8 Capacity: 288 Cores□12X 24F Trays□ Cable Ports: 1 In 6 Out,

288F Vertical Fibre Optic Cable Joint Box/ Dome Type Optical

There are 4 fiber optic cable access holes for the splice tray, which meet the requirements of all angles to enter the fiber. The splice

High Quality Outdoor Fiber Optic Splice Box Termination Box 288 Core

Explore the details, specifications and video of our Outdoor Fiber Optic Splice Box Termination Box 288 Core, and order high-quality

288 Core Fiber Optic Joint Closure

1 itable for ordinary fiber and ribbon fiber. 2.Fully kitted with all parts for convenient operation. 3.Overlap structure in splicing tray

Ftth 288 Core Fiber Optics Closure Dome Junction Box

YIPU Model No. SC-D288-02 is one of the main splicing equipment for 288 user access points, applied as optic fiber dome closure

Fiber Optic Joint Closure 288 Core, 4 In 4 Out Horizontal Fiber Optic ...

Outdoor Fiber Splice Enclosure, 4 In 4 Out Horizontal Fiber Optic Junction Box 1.
Description: Arc horizontal type optical splice

288 Core Splitter Splice Closure 2/4 Ports Fiber Cable Joint Box Fiber ...

Durable Construction: The fiber optic splicing enclosure is made from high-quality PP+GF material, ensuring a robust and long

288 core optical cable joint box

Cost Effective: A 288-core optical cable joint can provide a cost-effective solution for large-scale fiber optic networks. It

288F Vertical Fibre Optic Cable Joint Box/ Dome Type Optical

288F Vertical Fibre Optic Cable Joint Box/ Dome Type Optical Fibre Splice Closure, for splicing up to 7 cables, maximum cable size:

FTTH 48 96 144 288 Cores Fiber Cable Joint Box Fiber Optic Splice ...

FTTH 48 96 144 288 Cores Fiber Cable Joint Box Fiber Optic Splice Closure Fiber Optical Enclosure Terminal Box The equipment is

Wall Boxes

CommScope offers a complete line of easy-to-use access terminals, copper and fiber splice closures, patch closures and

Durable FTTH Terminal Box | Fiber Termination Enclosure for Safe ...

The FTTH Terminal Box serves as a compact fiber termination enclosure for residential and enterprise optical networks. It

CAD Drawings

Designers and Engineers can search the RF Industries fiber CAD drawing library to find everything they need for their next project.

GJS-25-8 Fiber Cable Joint Box 288 Cores

Heat Shrinkable Sealing Fiber Cable Joint Box 288 Cores Model: GJS-25-8 GJS-25-8 fiber cable joint box belongs to the mechanical

Fiber Optic Splice Closures — Dome & Inline, 16-384 Cores

22 models of fiber optic splice closures. Dome type up to 384 cores, inline type up to 288 cores, horizontal and vertical options. IP68

288 Cores Outdoor Fiber Terminal Box – Durable & High Performance

The 288 cores outdoor fiber terminal box is a robust solution designed for managing and distributing fiber optic connections in

Fiber Splice Trays & Wallets

Discover CommScope fiber splice trays, fiber optic splice trays, and a convenient fiber splice organizer. Organize fiber connections

Related Video Reference

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