# Dimensions of a 288-core optical fiber junction box

Article Overview

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

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

Mounting and Installation

The boxes support multiple installation methods:

o Wall-mounted
o Pole-mounted
o Aerial hanging
o Direct burial or duct installation

Material and Environmental Protection

o Constructed from high-strength engineering plastics with UV resistance and flame retardancy .
o IP68-rated, providing protection against dust and water ingress .
o Designed to withstand temperature ranges from -35? to 70?, chemical corrosion, and mechanical stress .

Cable Compatibility

o Supports up to 7 cables with a maximum diameter of 38mm .
o Each port is designed to maintain fiber integrity and allow for future expansion.

Summary

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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 .

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

Product Description 288 Cores Vertical Dome Type Jonit Box Fiber Optic Splice Closure The Fiber Optic

The IU-ODN-FOSC-V-288-H Fiber Optic Splice Closure offers unmatched durability, flexibility, and protection for fiber optic networks,

?Application ?This Installation Manual is suit for the Fiber Optic Splice Closure (Hereafter abbreviated as FOSC), as the guidance

RM-288 288 Port Rack Mount Fiber Patch Panel OptoSpan"s Select RM-288 Rack Mount Termination and Splicing Enclosures

Corning optical splice enclosure (OSE) provides a transition point between outside plant cable and indoor cable in fiber optic

Optical distribution box/pillar for PON type optical networks. It allows connection of up to 288 participants in 24 modules with 12 SC

buy Fiber Optic Splice Closures, Enclosure, Junction Boxes 12, 24, 48, 96, 144, 240, 288 cores. long-time & strong protection for

It is mainly used for connecting the outdoor optical cables, optical 288 Cores Outdoor Fiber Terminal Box - Durable The 288 cores

Description ithin the optical fiber access network. This outdoor FDC provides a secure space for optical fiber cable passthrough,

This outdoor fiber terminal box plays a vital role in the deployment and management of fiber optic

8. Conclusion In conclusion, fiber optic junction boxes are indispensable components in

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Model: GJS-25-8 Capacity: 288 Cores(12X 24F Trays) Cable Ports: 1 In 6 Out, 7 Ports Dimension:

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

288 core Cable Joint Closure Fiber Optic Access Terminal Junction Box and Optical Splitter Closure Fiber Splice Cases No reviews

Fiber Distribution Box & Terminal Box Outdoor & Indoor Fiber Box Fiber Distribution Box are used in cross-connection (indoor and

Web: https://www.kremgroup.co.za