

Fiber optic terminal box with round connector and pigtail



Overview

About this item Suitable for the distribution frame of optical cable and optical communication equipment.

Key Takeaways

A fiber optic terminal box with round connectors and pigtails is a compact, durable enclosure designed for splicing, terminating, and protecting fiber optic cables in FTTH and small network deployments.

Fiber optic terminal boxes are enclosures that protect optical fiber cables and pigtail connections while providing organized access for technicians. They are typically made from ABS or ABS+PC materials, offering durability and resistance to environmental factors such as dust, moisture, and physical damage, with some models rated up to IP68 waterproofing . These boxes are widely used in telecom rooms, residential broadband networks, office buildings, and industrial facilities .

Key Features

- **Connector Types:** Round connectors such as FC or ST are commonly used, allowing pigtail cables to be plugged into adapters for flexible optical path deployment .
- **Pigtail Integration:** The box accommodates fiber pigtails, which are pre-terminated fiber strands that can be spliced to incoming cables. Excess fiber is coiled and stored inside the box to maintain proper bending radius and prevent damage .

- **Port Capacity:** Available in multiple port configurations, typically ranging from 4 to 48 ports, supporting both single-mode and multimode fibers .
- **Mounting Options:** Can be wall-mounted or desktop-mounted, providing flexibility for different installation environments .
- **Splicing and Termination:** Supports fusion splicing of fiber cables and pigtails, with compartments to protect splicing joints and adapters .
- **Durability and Safety:** Designed to maintain a minimum bending radius of 20mm for fibers, ensuring signal integrity and long-term reliability .

Applications

- **FTTH/FTTB Networks:** Ideal for terminating fiber connections in homes or buildings.
- **Telecom and Data Centers:** Provides organized fiber management in IDF/MDF rooms.
- **Industrial and Office Environments:** Protects fiber connections in harsh or high-traffic areas.

Example Specifications

- **Material:** ABS or ABS+PC
- **Operating Temperature:** -40°C to 85°C
- **Box Size:** Compact, e.g., 20x11x3.4 cm
- **Weight:** Approx. 442g
- **Connector Standard:** TIA/EIA-568-A, IEC 874-1
- **Installation:** Screw-design for easy tool access, flexible fiber length reserve Fiber optic terminal boxes with round connectors and pigtails provide a reliable, space-saving, and flexible solution for fiber network terminations, ensuring both protection and easy maintenance of optical connections.

Article Content

FTTH 4 Core Fiber Optic Terminal Junction Box with FC ST

The terminal box is not fixed by screw so can be opened without any tool, convenient and fast. The length of the fiber can be

FTTH Distribution Terminal Box, FTTH Fiber Optic Termination Box ...

Fiber optic termination box is made of ABS and ABS+PC material, which is a box for protecting optical fiber cable and pigtail welding

FTTH Fiber Distribution Box | 4 Port Splitter Box with 4 SC ...

About this item Suitable for the distribution frame of optical cable and optical communication equipment. Through the adapter in the

4 Port FTTH Terminal Box | Metal with SC/APC Pigtailed and SC/APC ...

4 Port FTTH Terminal Box - Metal with SC/APC Pigtailed and SC/APC Adapters This Indoor Wall Mounted Single Door Optical Fiber

Fiber Optic Terminal Box, 4 Core Fiber Optic Terminal Junction Box

Buy Fiber Optic Terminal Box, 4 Core Fiber Optic Terminal Junction Box FC/ST 4 Round Port Pigtail Termination Box for Outdoor

Wall Mounted Fiber Optic Terminal Box w/ 1 Bulk Head and 1

The Wall Mounted Fiber Optic Terminal Box, available at OpticBuilds , is designed for FTTH and ISP broadband installations.

GELRHONR FTTH Fiber Panel Box Enclosure,2 Core Fiber Optic Terminal ...

The fiber optic terminal junction Box solid in construction,with porcelain white finish.Crafted from high-quality ABS plastic, highly

4 Port Surface Mount Fiber Termination Box With Splice Tray

The 4 port surface mount fiber termination box designed to connect optical fiber cable with pigtailed in FTTH/FTTB/FTTD application.

Fiber Access Terminal Box

The optical fiber terminal box is the terminal connector of an optical cable. One end is an optical cable and the other

2 Ports Fiber Optic Termination Box with Sc Adapter and Single Fiber ...

2 Ports Fiber Optic Termination Box with Sc Adapter and Single Fiber Pigtail, Find Details and Price about Box Termination Box from

Fiber Patch Panels: A Beginner's Guide | RLH Industries, Inc.

A technical guide on choosing the best Fiber Patch Panel to install & terminate fiber optic cable for any indoor/outdoor industrial

Amazon : Fiber Distribution Box

12 Core Fiber Distribution Box, 12 Port FTTH Distribution Splitter Box- Fiber Optic Terminal Junction Splitter Case with LC Fiber

FTTH Termination Box with SC/APC Adapters and SC/APC/SM

What connectors and build quality options are available? Available in LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, and FC/APC.

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

FTTH Termination Box available for the distribution and terminal connection for various kinds of optical fiber system, Some are used

Fiber Optic Terminal Box — Wall & Desktop | TTI Fiber

A fiber optic terminal box — also called an FTB or fiber termination box — is the endpoint where incoming fiber cables are

Fiber Terminal Box manufacturer, supplier | Sopto

Sopto offers a variety of terminal boxes with price and quality from 1core to 96 cores. The terminal box is used to separate and store

FTTH Indoor Terminal Box 4 Ports Metal, Connector with 4 LC/UPC

Complete with 4 LC/UPC duplex couplers and 8 SM 0.9mm pigtails, the 00407614 is ready for splicing and immediate deployment.

FTTH 4 Port 4 Core Fiber Optic Terminal Box, FC/ST Round Port Fiber ...

Buy FTTH 4 Port 4 Core Fiber Optic Terminal Box, FC/ST Round Port Fiber Optic Cable Junction Box, Optical End Fusion Pigtail

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

