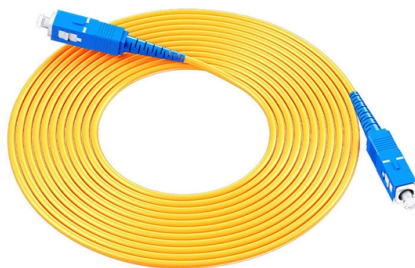


48-core optical fiber distribution box specifications



Overview

48-port fiber distribution box for large-scale FTTH deployments. Dual-use indoor/outdoor design with IP55 protection.

Key Takeaways

A 48-core optical fiber distribution box typically supports up to 48 fiber connections, offers indoor/outdoor IP55 protection, and includes splicing, termination, and cable management features.

- Capacity: Supports up to 48 fiber cores, accommodating SC or LC connectors depending on the model .
- Design: Dual-use for indoor and outdoor deployment with weatherproof enclosures and IP55 protection against dust and moisture .
- Material: Constructed from durable materials such as cold-rolled steel or high-strength plastic, often with lockable doors for security .
- Cable Management: Internal layout ensures organized routing, maintaining proper bend radius to prevent fiber damage and laser hazards .
- Splicing and Termination: Equipped with removable splice trays supporting up to 24 splices, and adapter plates for connector termination .

- **Splitter Integration:** Some models allow pre-terminated pigtails and integration of PLC splitters (e.g., 1x32) for rapid deployment .

Technical Specifications

- **Protection Rating:** IP55 for outdoor models, ensuring resistance to dust and water ingress .
- **Electrical Safety:** Designed to withstand 3kV DC for 1 minute without puncture or arc-over .
- **Mounting:** Wall-mounted or floor-level installation options, suitable for residential, commercial, or data center environments .
- **Scalability:** Modular design allows future expansion without replacing the entire enclosure .
- **Accessibility:** Easy-to-open panels for maintenance and operation, with clear labeling for splicing and distribution records .

Applications

- **FTTH Networks:** Centralized distribution for up to 48 subscribers in residential or multi-dwelling units .
- **Data Centers:** Efficient fiber management and high-speed connectivity support .
- **Commercial Buildings:** Consolidates fiber connections for multiple tenants from a single entry point .
- **Telecommunications Networks:** Provides a robust hub for splicing, termination, and distribution of optical fibers . These specifications make the 48-core optical fiber distribution box a versatile solution for high-density fiber deployments, ensuring reliable performance, secure connections, and ease of maintenance.

Article Content

48-Port Fiber Distribution Box — Large FTTH | TTI

48-port fiber distribution box for large-scale FTTH deployments. Dual-use indoor/outdoor design with IP55 protection. Pre-terminated

48 Core Fiber OTerminal Box for High-Density FTTH Networks

High Fiber Capacity: Supports up to 48 fiber terminations, managing large connections efficiently. Efficient Fiber

FTTH 48 Core Fiber Access Terminal Box

Telhua's FTTH 48 Core Fiber Access Terminal Box delivers exceptional port density and reliability for demanding fiber

48 core fiber optic distribution box AIW48D

Indoor fiber optic distribution box is used for fiber connection, distribution and protection. It is made of metal, can be wall mounted

48-ports optical fiber distribution box

Get a tailored quote or download detailed specifications to share with your team. Telhual's 48-ports optical fiber distribution box offers

FDB-48 Fiber Distribution Box, 48 ports-AOA Tech

FDB-48 Series 48 ports Fiber Distribution Box can accommodate 1x32 PLC splitter. Anti-UV, Ultra violet resistant and rainfall

RDSO/SPN/TC/-----

A Fibre Distribution Management System for accommodating 48 Fibre for Optical Fibre termination, interconnection, expansion and

Premium-Line 48 ports Wall Mounted Fiber Optic Box

Premium Line 48 ports wall mount fiber optic box is used for the direct termination of fibers. Box include two separate sections.

Armoured Fibre Optic Cable & FODP

1.0 Description a) This is a reference technical specification for survey, planning, coordination with other suppliers' equipment,

High quality FTTH junction box, 48 core IP55 fiber optic distribution ...

The FTTH 48 Core Fiber Access Terminal Box is a new-gen product for FTTH. Light and compact, it's ideal for connecting and

48 Core Fibre Distribution Box | F-DB-48-L

Experience reliable and robust fibre optic distribution with this outdoor distribution box. Designed for residential and commercial

Fiber Distribution Box & Terminal Box | CRXCONEC FTTH

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

LP-F184DBKYY 48 Port Rack Mounted Optical Distribution

Strength member core clamp and shell insulated and with grounding lead. ST or LC adaptors panels available in separate o Reliable

Waterproof IP68 48 Outdoor Core Fiber Optic Distribution Box Fthh Box ...

Details waterproof IP68 48 Core fiber optic distribution box ftth box SC adapter holder, indoor or outdoor application for 48pcs SC

48 Core Optical Distribution Frame Fiber Patch Panel

ODF-B optic fiber distribution box is a locker designed for terminating, splicing and inter connecting fiber optic cable. 19" inch

16/24/48 Core FTTH ABS Fiber Optic Terminal Box

The Fiber Optic Terminal Box is a comprehensive solution designed to simplify and optimize the connectivity of your

48-ports optical fiber distribution box

Telhua's 48-ports optical fiber distribution box offers high-density, reliable fiber management with tool-less installation. Compliant with

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

