

24-core optical fiber cable 2000m



AI Overview

A 24-core optical fiber cable with 2000 meters length is ideal for long-distance, high-capacity data transmission, especially in outdoor and harsh environments.

Key Features

- Fiber Count:** 24 cores, allowing multiple simultaneous data channels for telecom, broadband, or campus networks.
- Length:** 2000 meters, suitable for long-haul installations without frequent splicing.
- Type:** Single-mode fiber is preferred for long-distance transmission due to low signal attenuation.
- Construction:** Stranded loose tube design provides flexibility and tensile strength, protecting fibers from mechanical stress.
- Armor and Sheath:** Steel tape armor protects against rodent damage and mechanical impact, while a flame-retardant polyethylene (PE) sheath ensures safety in fire-sensitive areas.
- Environmental Resistance:** UV-resistant, moisture-resistant, and suitable for direct burial, conduit, or aerial deployment.

Applications

- Telecommunications:** Backbone networks connecting cities or campuses.
- Broadband Internet:** High-speed data transmission for ISPs and service providers.
- Power and Utility Networks:** ADSS (All-Dielectric Self-Supporting) variants can be installed on high-voltage transmission lines without conductive elements, supporting aerial deployment across rivers, valleys, or lightning-prone areas.
- Campus and Enterprise Networks:** Reliable backbone for large-scale network infrastructures.

Installation Considerations

- Direct Burial:** Armored cables can be buried underground for protection against physical hazards.
- Aerial Deployment:** ADSS cables support their own weight between poles or towers, reducing installation complexity.
- Conduit Installation:** Suitable for ducted pathways in urban or industrial environments.
- Temperature and Tensile Performance:** Stranded and armored designs maintain fiber integrity under temperature fluctuations and mechanical stress.

Summary

A 24-core, 2000-meter optical fiber cable is a robust solution for high-capacity, long-distance data transmission. Choosing a single-mode, armored, and fl...

Article Content

Outdoor Fiber Optical Self-supporting Figure 8 Cable

The Figure 8 fiber optic cable for outdoor application stands as an exceptional solution for long-distance and inter-office communications.

Corning | Materials Science Technology and Innovation

Corning Incorporated is a global-leading innovator in materials science, with 170 years of life-changing inventions and category-defining products.

24 Core Outdoor Fibre Optic Cable

The 24 Core Outdoor Fiber Optic Cable is a type of optical fiber cable used for outdoor applications. It consists of 24 individual fibers that are protected by a

Armoured Fiber Optic Cable

Find here Armoured Fiber Optic Cable, 4 Core Armoured Fiber Optic manufacturers, suppliers & exporters in India. Get contact details & address of

24 Fiber Fiber Optic Cables – Mouser

Mouser offers inventory, pricing, & datasheets for 24 Fiber Fiber Optic Cables.

FIBERVISION GYXTC8S Aerial Fiber Cable 2~24 Core Mini Figure 8 Fiber ...

FIBERVISION is a leading manufacturer & one-step provider of fiber optic cables and communication products, boasting over a decade of industry experience. Sustained by a robust management system

The Ultimate Fiber Optic Cable Size Reference Chart

How to Use This Chart Understanding fiber optic measurements doesn't have to be overwhelming. Our comprehensive chart simplifies the

Go4Fiber Ltd-One Stop Fiber Optic Superstore

Cable Management Solutions Mini Fiber Distribution Frame 1 Port Mini Fiber Box GMD Series Fiber Optic Outdoor Splice Closure Cable Power Over Ethernet Power Over Ethernet PoE Midspan 1-Port

Loose Tube Outdoor Cable OS2, 24-Core, LC/UPC

Black multi-purpose cable with twentyfour cores, rodent protection and pulling aid on both ends. From a length of 100 meters, the fiber optic outdoor cables will be

24 Cores Distribution Fiber Optic Cable

SABA 24 cores distribution fiber optic cable is constructed with loose tube fibers, aramid yarn strength member, LSZH is metal free outdoor cable . Quality of the product is tested according to IEC Standards.

24 Core, Single-Mode OS2, Multi-tube, Jelly-filled,

- 24 Core fiber optic cable for high-performance and long-distance communication. • Single-Mode OS2 fiber provides low attenuation and high signal integrity over

Multi-Loose Tube Fiber Cable

Outdoor dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member, polyethylene inner jacket, Steel Wire Armouring (Full Rodent Protected) armor and polyethylene

Fiber Optic Solutions for High-Performance | Diamond SA

Innovating High-Performance Fiber Optic Solutions At DIAMOND, we combine decades of experience in high-performance fiber optic solutions with state-of-the

4 Core Fiber Optic Cable

Discover 4 core fiber optic cables for reliable fiber networking. Ideal for FTTH, outdoor use with CE/ROHS certification and G657A1/G652D fiber types.

POF and Large-Core Silica Cable Assemblies | Industrial Fiber Optics

We offer a comprehensive portfolio of patch cords and cables made from plastic optical fiber (POF) and large-core step-index Hard Clad Silica (HCS) silica fiber.

Products

Products Product group Antennas Connectors & Adapters Cables Cable assemblies & systems Fiber cable management Components Tools & Accessories Transceivers Other Systems Filter Showing

Sub Unitized Premise MicroCore 2.0 Fiber Optic Cable

The Next-Generation DataCenter cabling representing an evolution in pathway density. 12-144 ct passive cabling solution based on the innovative Premise Interconnect MicroCore® sub-cables in

Fiber Optic Cable

Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Learn more about each fiber cable Belden has to offer.

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Optical fiber broadband brings together a culture of innovation, quality, and manufacturing excellence to create life-changing products.

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✂ Carrier-grade bundled branch fiber optic cable□sc-lc-fc ...

✂ Bundled branches × carrier-grade single-mode = "structural steel" in optical cables
After taking apart this indoor branch cable, i realized what "design equals performance" means: the outer layer is a

12 Core Fiber Optic Cable

Discover 12 core fiber optic cables for FTTH and telecom networks. Explore durable, CE-certified fiber-optic cable options with G652D/G657A2 fibers.

Loose Tube Outdoor Cable OS2, 24-Core, SC/UPC

Black multi-purpose cable with twentyfour cores, rodent protection and pulling aid

ALTOS® Loose Tube, Gel-Free Cable 24 F, Single

The loose tube gel-free design is fully waterblocked using craft-friendly, water

24 Core and 48 Core Fiber Optic Cable

24 Core and 48 Core Fiber Optic Cable Fiber optic cable is a cable containing one or multiple optical fibers that are used to transmit the signal. The optical fiber

i-Net Networks 2000m 4-Core Singlemode Fiber Optic Cable, G652.D

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24 Core Outdoor Armored Double Jacket Fiber Optic

What is the structure of a 24-core GYTY53 fiber optic cable? A 24-core GYTY53 cable consists of fibers placed in loose tubes filled with water-blocking gel around

24 Core Outdoor Armored Double Jacket Fiber Optic

24 Core Fiber Optic Cable GYTY53 Outdoor Armored Double Jacket Waterproof Gel Filled loose tube direct burial is used for direct buried underground, it suit for long

HOLIGHT Fiber Optic Manufacturer in China | Patch Cords

HOLIGHT is a global fiber optic manufacturer in China, providing patch cords, adapters, terminal boxes and FTTH solutions for worldwide telecom projects.

Haile 24-Core Armoured Single-Mode Outdoor Fiber Optic Cable

This 24-core fiber optic cable from HAILE combines advanced flame retardant materials with a heavy armored design to withstand harsh outdoor conditions, including physical impact and fire hazards.

Contact Us

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