

48-core optical fiber cable gyftzy



AI Overview

A 48-core GYTS fiber optic cable is an outdoor, steel-armored, loose-tube cable designed for duct, aerial, and direct burial applications, supporting high-bandwidth, long-distance data transmission.

Overview The 48-core GYTS fiber optic cable is primarily used for outdoor telecommunications and backbone networks. It is suitable for duct, aerial, or direct burial installations, providing robust protection against environmental hazards, mechanical stress, and rodents. The cable is available in single-mode (G.652D or bend-insensitive G.657A1) and multimode variants, allowing flexibility depending on network requirements.

Structure and Components

- Loose Tubes:** Fibers are housed in gel-filled loose tubes, allowing free movement to minimize stress during bending or stretching.
- Fiber Count:** Contains 48 color-coded fibers, facilitating easy identification and high fiber density within a compact design.
- Central Strength Member:** A steel wire provides tensile strength and strain resistance, ensuring durability under tension.
- Aarmor:** Corrugated steel tape (CST) or plastic-coated steel tape (PSP) surrounds the core, offering crush resistance, impact protection, and rodent deterrence.
- Outer Sheath:** A polyethylene (PE) or UHMWPE jacket protects against moisture, UV exposure, and environmental wear.

Key Specifications

- Tube Thickness:** Approximately 0.3 ± 0.05 mm
- Fiber Diameter:** 242 ± 7 μ m
- Cladding Diameter:** 125 μ m
- Cable Diameter:** Around 10.5 ± 0.2 mm
- Jacket Thickness:** 1.8 ± 0.2 mm
- Steel Tape Thickness:** 0.15 ± 0.015 mm
- Installation Length:** Standard drums of 2 km, customizable per project

Advantages

- High Mechanical Protection:** Steel armor and metal strength member prevent crushing and tensile damage.
- Moisture Resistance:** Gel-filled tubes and PE sheath protect fibers from water ingress.
- Stress-Free Fiber Movement:** Loose tube design allows fibers to expand and contract without damage.
- Long-Distance Transmission:** Suitable for backbone networks and high-bandwidth applications.
- Versatile Installation:** Can be deployed in...

Article Content

GYFTZY All Dielectric Flame-retardant Stranded Loose

GYFTZY All Dielectric Flame-retardant Stranded Loose Tube FRP Optical Fiber Cable Product Structure Diagram

Kaitron GYFTZY-48B1 Non-Metallic Flame Retardant 48-Core Fiber

Kaitron Loose sleeve stranded non-metallic reinforcing core non-armored flame retardant fiber optic cable GYFTZY-48B1 is a high-capacity, reliable fiber optic cable designed for demanding indoor and

4 6 8 12 Core Optical Fiber Cable Non-Armored Non-Metallic Aerial Cable ...

Bulkbuy 4 6 8 12 Core Optical Fiber Cable Non-Armored Non-Metallic Aerial Cable 24 36 48 Core Optical Cable GYFTY Gyftzy price comparison, get China 4 6 8 12 Core Optical Fiber Cable Non

Outdoor Singlemode Fibre Optical Cable GYFTY/GYFTZY

Durable and Reliable: The GYFTY fiber optic cable is designed for outdoor use and can withstand various environmental conditions, making it a reliable choice for network cabling solutions.

Gyftzy Non Metallic Strength Member Optical Fiber Cable 24 48 96

The tubes (and fillers) are stranded around the strength member into a compact and circular core. After the cable core is filled with the filling compound to protect it from water ingress, the cable is

Underwater Submarine Fiber Cable 72 96 144 Core Armored GYFTZY33

China Underwater Submarine Fiber Cable 72 96 144 Core Armored GYFTZY33, Find details about China Submarine Fiber Cable from Underwater Submarine Fiber Cable 72 96 144 Core Armored

Gyftzy Flame-Retardant Outdoor All-Dielectric Non-Armored 48 Core

Tubes (and fillers) are stranded around the non-metallic strength member (FRP) to form the cable core, which is filled with water blocking compound. Finally a PE or LSZH jacket is extruded.

4 6 8 12 24 36 48 72 Core G652d Gyftzy Fiber Optic Cable Outdoor Cable ...

Our business covers intelligent buildings, overseas optical fiber, fiber optic cables and switches. We always adhere to the customer demand-oriented, through innovation and excellent quality, to provide

HES 48 Core Steel Armored Fiber Optic Cable OM4 50/125μ MultiMode |

HES 48 Core Multiple Tube Steel Armored Fiber Optic Cable, OM4 50/125μ MultiMode. Suitable for high data traffic and large projects.

GYTS Armored Fiber Optic Cable | Wholesale Duct & Aerial

Source GYTS armored fiber optic cable direct from our factory. With steel tape armor and a PE jacket, it's ideal for harsh aerial and duct environments. Contact us for bulk pricing.

GYFTZY All Dielectric Flame-retardant Stranded Loose

Product Description The fibers are positioned in loose tubes that are made of high-modulus plastic and filled with tube gel. The tubes (and fillers) are stranded around a non-metallic central strength

GYFTZY optical cable

Pine layer twisted non-metal flame retardant optical cable GYFTZY (2-288 core) is a type of optical fiber cable used for long-distance

OPGW 48 Core Optical Fiber Cable

Zion Communication is a leading China manufacturer of OPGW 48 Core Optical Fiber Cable, providing high-quality Optical Ground Wire solutions with robust mechanical strength and excellent fiber

Armored Fire Retardant Cable, GYFTZY53 48 Core

Between the PSP and the loose tube waterblocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two

ADSS Gyftzy63 GYFTY 1/2/4/6/12/24 Core Single Mode Fiber Optical Cable ...

Model NO.: Outdoor Non-metall Fiber Optic Cable Application: Communication Type: Single-mode Fiber Connection Structure: Without Material Shape: Round Wire Allowed Lateral

Direct bury fiber optic cable

Shop high-quality direct bury fiber optic cables from reliable suppliers. Enjoy durable, efficient, and cost-effective solutions for your telecom needs.

GL FIBER 24 Core ADSS Fiber Optic Cable, G652D, 120m Span

GL FIBER'' ADSS cables offer a rapid and economical means for deploying optical fiber cables along existing aerial rights-of-way.

48 Core Fiber Optic Cable GYTY53 Outdoor Armored

48 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

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

Câble de Fiber optique monomode G652D extérieur Non blindé Gyftzy

Type Câble Fiber Optique extérieur Point d'origine Guangdong, China Nombre de conducteurs ≥ 10 Model Number Stranded Loose Tube Fiber Optic Cable GYFTY Core 2 to 144 Jacket Material HDPE

How to Choose the Best 48 Core Fiber Optic Cable for Your Network

How to Choose a 48 Core Fiber Optic Cable Follow this step-by-step guide to ensure you select the right 48 core fiber optic cable for your project: Define Your Application: Determine if it's for

25-year best-selling non-metallic flame-retardant optical cable gyftzy ...

As shown in the table above, gyftzy optical cables are comprehensively superior to traditional models in key performance indicators and are the "safety first choice" in outdoor

Sopto GYFTZY Optical Cable

Sopto GYFTZY Optical Cable offers 4, 6, or 12 cores, non-metal strength member, G.652D fiber type, and LSZH jacket. Ideal for outdoor telecom communication. | Alibaba

Contact Us

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