

Features of Gyfta optical cable



Article Overview

GYFTA optical cable is a lightweight, loose-tube, non-metallic reinforced fiber optic cable with aluminum tape protection, designed for outdoor aerial and duct installations.

Construction and Materials

GYFTA cables feature a central strength member made of fiber-reinforced plastic (FRP), providing high tensile strength and structural integrity. Around this core, high-modulus loose tubes containing optical fibers are helically stranded, with thixotropic gel filling the tubes to offer water-blocking and fiber protection. Filler ropes and loose tubes are twisted around the core to form a compact, circular structure, and the interstices are also filled with gel for a double-layer water-blocking system. The cable is further protected by longitudinal aluminum tape (APL) and a polyethylene (PE) outer sheath, enhancing environmental resistance and corrosion protection ().

Mechanical and Environmental Performance

- Tensile Strength: Short-term ≥ 1500 N, long-term ≥ 600 N ()
- Crush Resistance: ≥ 1000 N/10cm without damage
- Bending Radius: Dynamic $\geq 20 \times$ cable diameter, Static $\geq 10 \times$ cable diameter
- Impact Resistance: Complies with IEC 60794-1-2 E3 standards
- Temperature Range: Operates efficiently from -40°C to $+70^{\circ}\text{C}$ ()
- Hydrolysis Resistance: Loose tube material resists degradation in humid or wet conditions ()....

Article Content

Aug 07, 2025

GYFTA Non-armored Duct Fiber Optic Cable

Hunan GL Technology Co., Ltd Supply 2-144 Cores GYFTA Non-armored Duct Fiber Optic Cable With Factory Price, Support OEM,

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GYFTA Fiber Optic Cable New Multimode 4 Core Optic

GYFTA Fiber Optic Cable Overview: The GYFTA Fiber Optic Cable is designed to facilitate high-speed

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GYFTA53 Optical Cable | TeleTechno Communications

GYFTA53 Outdoor fiber optic cable is a loose tube style, fiber optic cable with non-metallic FRP central force member and peripheral

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GYFTA Non Self-supporting Aeral/Duct Optical Cable

Loose tube style, optical fiber cable with non-metallic central strength member of FRP and peripheral strength members with

Oct 31, 2025

What is GYFTA optical cable used for? | Cybereagen

The term GYFTA stands for Loose Tube Non-Armored Fiber Optic Cable with an Aluminum Tape. This cable type is specifically

Jul 30, 2025

What Is A Duct Fiber Optic Cable | Hunan Jiahome

Duct fiber optic cables, including GYTA, GYTS, GYTY, GYFTY, GYFTA, and GYXTW, offer versatile solutions tailored to diverse

Nov 23, 2025

Fiber Optic Cables Selection Guide: Types, Features, Applications ...

Fiber optic cables are composed of one or more transparent fibers enclosed in protective coverings and strength members. Fiber

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GYFTA Fiber Optic Cable

Buy high-quality GYFTA fiber optic cable at First Fiber. Features a stranded loose tube design, FRP strength member, and APL

Apr 27, 2026

GYFTA Revolutionizing Fiber Optic Cable Technology_NEWS_OPTICAL

GYFTA, or the GYFTA cable, is a type of optical fiber cable commonly used in the telecommunications industry. It stands for "Gel

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Non-armored Aerial/Duct Optical Cable GYFTA

These main features make the GYFTA cable ideal for various applications where reliable, high-performance fiber

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Exploring Gyfta Fiber Optic Outdoor Cable: Composition, Grades, and ...

GYFTA cables are purpose-built for outdoor deployment, combining all the above features into a single, highly resilient package.

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GYFTA-2~6Xn Optic Cable GYFTA optic fiber cable

- Possesses excellent mechanical properties, temperature characteristics, and flame retardant

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GYFTA Outdoor Fiber Cable with FRP Strength Member

GYFTA cables with aluminum tape armored cables are suitable for installation for long haul communication

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Outdoor Fiber Cable-GYFTA Manufacturer

Discover Outdoor Fiber Cable-GYFTA offered by Weunion. Buy outdoor optical fiber directly with low prices and high quality. Our

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GYFTA-20~24Xn Optic Cable GYFTA fiber optic cable YCICT

GYFTA-20~24Xn Optic Cable is Loose-tube stranded non-metallic reinforced core unarmored optical cable GYFTA-20~24Xn Optic

Jan 18, 2026

GYFTA-20~24Xn Optic Cable GYFTA fiber optic cable

GYFTA-20~24Xn Optic Cable Product Features • Possesses excellent mechanical properties, temperature

May 30, 2026

GYFTA The Future of Fiber Optic Cables!_NEWS_OPTICAL FIBER CABLE

Introduction GYFTA, or the GYFXTA cable, is a type of optical fiber cable commonly used in the telecommunications industry. It is

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GYFTA fiber optic cable

Because GYFTA fiber optic cable has good moisture resistance and flexibility, it is particularly suitable for use in

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GYFTA Optical Cable Specification Sheet

It features a non-metallic structure, lightning protection, lightweight design, and high tensile

May 30, 2026

GYFTS/GYFTA Optical Cable Manufacturer

Key Features of GYFTS/GYFTA OPTICAL CABLE -The loose tube material itself has good hydrolysis resistance and high strength. It

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GYFTA Loose Tube Layer Stranded Non-metallic

GYFTA optical cable is constructed to ensure high-performance communications

Jun 30, 2026

GYFTA | EVI

Loose tube construction, tubes jelly filled, elements (tubes and filler rods) laid up around non-metallic

Feb 02, 2026

A Technical Overview of Single Mode Gyfta: Specifications and

A single-mode GYFTA (Glass-reinforced Yarn, Filled, Tape, Aluminum) cable is a specialized fiber optic solution engineered for high

Mar 30, 2026

Common Models of Direct-Buried Fiber Optic Cables

These models of direct-buried fiber optic cables showcase the versatility and durability

Contact Us

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