Fiber optic cable model GYFTY

Overview

GYFTY fiber optic cable is a non-metallic cable used for power transmission system, excessive thunder areas and high electromagnetic interface.

Key Takeaways

The GYFTZY cable is a non-metallic, flame-retardant, loose tube stranded optical fiber cable designed for high-strength, long-distance data transmission in harsh environments.

Structure and Materials

The GYFTZ

Y cable features colored optical fibers housed in high-modulus loose tubes, which are filled with a thixotropic water-blocking gel to protect against moisture and environmental damage. The loose tubes and fillers are stranded around a central strength member, typically made of glass fiber reinforced plastic (FRP), providing robust tensile support without metal, which eliminates electromagnetic interference. The cable is then covered with a flame-retardant outer sheath, often LSZH (Low Smoke Zero Halogen), ensuring fire safety in sensitive installations.

Key FeaturesNon-metallic design: Resistant to corrosion, lightweight, and flexible for easier installation. Flame retardant: Outer sheath prevents fire spread, suitable for high-risk areas. Water-blocking protection: Gel-filled tubes and core gaps prevent moisture ingress.

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High mechanical strength: Stranded loose tube structure provides excellent tensile performance and resistance to external shocks and vibrations. Wide temperature tolerance: Maintains stable transmission in extreme environmental conditions. High bandwidth and low loss: Advanced fiber manufacturing ensures efficient long-distance data transmission.

Applications

The GYFTZ

Y cable is suitable for a variety of deployment scenarios: Urban and rural networks: Backbone and distribution lines, including public Wi-Fi, traffic monitoring, and IoT connectivity. Industrial and power systems: Resistant to electromagnetic interference, lightning, and harsh conditions.

Telecommunications and CAT

V: Long-haul communication, interoffice links, and local trunk lines. Overhead and duct installations: Can be used in aerial, conduit, or non-self-supporting applications.

Advantages

Durability: Hydrolysis-resistant loose tubes and high-modulus materials ensure long-term reliability. Safety: Flame-retardant sheath and non-metallic core reduce fire hazards and EMI risks. Flexibility: Lightweight and easy to handle, suitable for complex routing and installation.

Performance: Supports high-speed, large-volume data transmission over long distances.

The GYFTZ

Y fiber optic cable is widely used in telecommunications, electric power, railway, and petrochemical industries, offering a reliable solution for high-performance, long-distance optical networks in challenging environments.

Article Content

GYFTY NON-METALLIC FIBER OPTIC OUTDOOR

GYFTY fiber optic cable is a non-metallic cable used for power transmission system, excessive thunder areas and high electromagnetic interface. The cable tubes,

GYFTY Cable: Specifications, Applications & Installation Guide

A comprehensive guide to GYFTY cable: Explore specs, core counts, applications & installation tips. Ideal for high-lightning/EMI areas (power corridors, rural FTTH).

GYFTY Cable – ANISCOM GROUP

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After the cable core is filled with the filling compound to protect it from water ingress, the cable is completed with a PE sheath. GYTY/GYFTY cable complies with Standard YD/T 901-2001as well as

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GYXTC8S Fiber Optic Cable G652D Single Mode 24 Core Figure 8

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GYXTW Premium PE Sheath Outdoor Fiber Optic Cable Single Mode

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