Fiber optic cable gyxts



Overview

What is the GYXTS loose tube fiber optic cable?

The tubes are filled with a water-resistant filling compound. 12 GYXTS Outdoor Cable – FTTHOME – Fiber solut.

Key Takeaways

GYXT fiber optic cable is a durable, outdoor-rated cable designed for aerial, duct, and direct-buried applications, offering 2 to 24 fiber cores with armored protection and water-blocking features. OverviewGYXT, also referred to as GYXTW, is a unitube loose tube fiber optic cable widely used in outdoor telecommunication networks. It is engineered for long-distance communication and is suitable for aerial, duct, and direct-buried installations.

The cable is available in single-mode and multi-mode fiber types, with fiber counts ranging from 2 to 24 cores, making it adaptable for various network sizes.

Construction and Features

Central Loose Tube: Fibers are housed in a high-modulus loose tube filled with a water-blocking gel, protecting against moisture and mechanical stress. Armored Layer: A corrugated steel tape or steel wires provide mechanical protection and tensile strength, making the cable resistant to crushing and harsh outdoor conditions. Outer Jacket: The cable is sheathed in UV-resistant high-density polyethylene (HDPE), ensuring durability against environmental exposure.

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Waterproofing: A waterproof layer between the steel tape and cable core enhances longitudinal water-blocking performance. Strength Members: Two parallel steel wires along the cable core improve tensile strength and support aerial installations. Flexibility and Size: Despite its armored design, GYXT cables are lightweight, flexible, and compact, facilitating easier installation in ducts or aerial setups.

Performance

Mechanical and Temperature Resistance: The cable maintains excellent performance under harsh outdoor conditions, including temperature fluctuations and mechanical stress. Low Attenuation and Dispersion: Single-mode fibers (G652D, G657A1, G657A2) ensure minimal signal loss and stable dispersion, suitable for high-speed data transmission.

U

V and Hydrolysis Resistance: The materials used prevent degradation from sunlight and moisture, extending the cable's operational life. ApplicationsGYXT cables are ideal for: Telecommunication networks connecting bureaus, metropolitan networks, and access networks. Internet service providers and large enterprises requiring reliable long-distance data transmission.

Flexible deployment in aerial, duct, or direct-buried installations, including pipelines.

Summary

The GYX

T fiber optic cable combines durability, flexibility, and high-performance features, making it a preferred choice for outdoor communication networks. Its armored design, water-blocking capabilities, and range of fiber counts allow for reliable, long-distance data transmission in diverse environmental conditions.

Article Content

GYXTS Outdoor Cable – FTTHOME – Fiber solutions global leader

GYXTS cable structure is to insert a single or multimode fiber loose tube,made of high modulus plastic it external wire winding layers of double-sided plastic corrugated steel belt

GYXTS cable, GYXTS fiber optic cable-optical cable

GYXTS type optical cable is an outdoor optical cable for communication with metal reinforced components, central tube filled type, wrapped steel wire armor, and steel-polyethylene bonded sheath.

Outdoor Unitube Light Armored GUXTW Fiber Optic Cable

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GYXTW is an outdoor use fiber loose tube cable for duct, aerial and direct buried applications. With water-blocking materials filled, ensure the compactness and longitudinal water-blocking performance.

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Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables, as well as the various fiber wavelengths and standard core sizes used

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ADVANTAGES OF ACTIVE OPTICAL CABLES FOR INDUSTRIAL

Applications of Gyxts optical cables GYXTS stands for a type of fiber optic cable that features a loose tube design with an additional water-resistant layer. This construction allows it to be used in various

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