

What type of optical cable is gydtza



Summary of Content

GYDTZA is a flame-retardant, stranded loose tube optical cable with armored protection and water-blocking features.

Construction and Features

The GYDTZA optical cable is designed for outdoor and demanding environments. Its fibers are embedded in loose tubes made of high-modulus material, which are filled with a water-blocking compound to prevent moisture ingress. The cable core contains a metallic central strength member, and for certain fiber counts, an additional polyethylene (PE) layer may be applied over the metallic core for extra protection. The loose tubes and filler rods are stranded around the central strength member to form a compact circular core, with gaps filled with water-blocking material. A plastic-coated aluminum tape (APL) is applied longitudinally, followed by a flame-retardant outer sheath to complete the cable .

Key Specifications

- **Flame Retardance:** The outer sheath is designed to resist fire, making it suitable for installations where safety is critical .
- **Water-Blocking:** The loose tubes and fillers contain compounds that prevent water penetration, ensuring long-term reliability in outdoor or damp environments .
- **Standards Compliance:** GYDTZA cables comply with YD/T 981.3 and IEC 60794-1 standards, ensuring quality and performance consistency .
- **Temperature Range:** Typically designed to operate in temperatures from -40°C to +70°C .

Article Content

GYTA / GYTS Fiber Optic Cable

The structure of GYTA optical cable is that single-mode or multi-mode optical fiber is sheathed in a loose tube made of high modulus

GYTZA Loose Tube Layer Stranded Non-armored Flame-retardant

GYTZA optical cable is designed for application in outside plant networks where flame and durability are required. Its fibers are

Flame-Retardant Optical Cable (GYTZA)

GYTZA optical cable involves enclosing single-mode or multi-mode optical fibers in loose tubes made of high modulus polybutylene

Flame-retardance Stranded Loose Tube Optical Cable (GYTZA)

Flame-retardance Stranded Loose Tube Optical Cable (GYTZA) Optical fibres are housed in loose tubes that are made of high

What is the GYTA fiber optic cable?

GYTA fiber optic cable is a stranded loose tube outdoor cable widely used for overhead, duct, and even direct burial

Flame-retardant Double Armored Stranded Loose Tube Optical Cable

Optical fibres are housed in loose tubes that are made of high-modulus plastic and filled with tube filling compound. The tubes (and

Metallic Armored GYTZA Fiber Optic Cable

The GYTZA fiber optic cable is a high-performance outdoor cable designed for demanding applications. It features a loose tube

GYDTA optical cable

Loose-layer twisted fiber optical cable GYDTA (72-576 core) is a type of fiber optic cable that is commonly used in

Optical Fiber Cable GYTA: Features and Applications

The GYTA optical fiber cable represents a significant advancement in the field of telecommunications and data transmission. Its

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