

Outdoor butterfly optical cable models



Article Overview

Outdoor butterfly-shaped optical cables are designed for robust, flexible deployment in pipelines, overhead lines, and FTTH networks, featuring reinforced structures, moisture-resistant sheaths, and dual-purpose indoor/outdoor capabilities.

Key Features of Outdoor Butterfly Optical Cables

1. Structural Design: Outdoor butterfly cables typically have a flat, butterfly-shaped profile, which allows easy installation in narrow spaces and conduit entry. The design often includes reinforced elements such as glass fiber rods, aramid yarn, or steel wires to provide tensile strength, compression resistance, and self-supporting capability (). Some models, like the GJYXFHS, incorporate two parallel FRP (Fiber Reinforced Plastic) members and a single steel wire for enhanced durability and tensile performance (). 2. Sheath Materials: Outdoor models use PE (polyethylene) or LSZH (low-smoke zero-halogen) outer sheaths for UV protection, flame retardancy, and environmental safety (). Additional layers, such as steel tape moisture-proof layers, improve water resistance and reliability in harsh outdoor conditions (). 3. Core and Fiber Configuration: Cables can be single-mode or multi-mode, with core counts ranging from 2 to over 12 fibers. Ribbon-type or central bundle designs allow for easy splitting and branching, which is advantageous for network expansion and FTTH deployment (). Microfiber tube designs further reduce diameter while maintaining high flexibility and low attenuation (). 4. Dual-Purpose Indoor/Outdoor Capability: Some butterfly cables are dual-purpose, suitable for both overhead self-supporting installation and pipeline introduction. Reinforced elements embedded in the butterfly sub-cable sheath allow the cable to meet overhead and conduit requirements simultaneously, reducing installation complexity and cost (). 5. Model Naming Conventions:

Article Content

Outdoor Self-Supporting Single-Mode Single-Core

Outdoor Self-Supporting Single-Mode Single-Core Butterfly Drop Cable, Find Details and Price about

Unlock the secret weapon of the digital age: FTTH butterfly optic cables

As an important part of optical fiber networks, FTTH butterfly optic cables are gradually becoming the secret weapon

Self-Supporting Butterfly Drop Cable (GJYXFCH)

DESCRIPTION (GJYXFCH) Indoor/Outdoor self-supporting butterfly drop cable, the optical fiber unit is positioned in the center. two

Indoor butterfly covered optical cable: from definition to application ...

Discover the details of Indoor butterfly covered optical cable: from definition to application, explained in one article at

Butterfly Flat FTTH Drop Cable | FS

GJXFH FTTH Indoor Drop Cable uses butterfly flat structure, whose optical fiber unit is positioned in the centre. Two parallel Fiber

FTTH Butterfly Optic Cable

The Multi Loose Tube Non-Metallic Fiber Optic Cable is designed for outside plant, which is prone to electrical interference.

Global Self-Supporting Butterfly Optical Fibre Cable Market 2026

The Self-Supporting Butterfly Optical Fibre Cable Market was valued at USD 945.5 Million in 2025 and is projected to

Outdoor Single Mode Butterfly Fiber Optic Cable

According to the number of cores of the outdoor single-mode butterfly optical fiber cable, the structure of different types

Outdoor self-supporting butterfly optical cable GJYXCH/GJYXFCH

· The optical cable has simple structure, light weight and strong practicability; Unique groove design, easy to peel, easy to connect,

SNOMYRS Solar Light String Outdoor 11.9Ft Fiber

SNOMYRS Solar String Lights Outdoor 11.9Ft Fiber Optic Butterfly String Lights, Waterproof Strand Lights

Why Need Drop Cable For Your Outdoor FTTx Projects

1. What is Drop Cable Drop cables, also known as butterfly optical cables, are a

What Are FTTH Butterfly Optic Cables and Why Are

FTTH Butterfly Optic Cables are revolutionizing the way we connect and communicate.

Pre-Terminated Outdoor Butterfly Drop Cable

The FTTC (Fiber to the Curb) solution deploys optical fibers to curb cabinets just 300 yards away from users, delivering an access

FTTH Butterfly Optic Cables: Types, Specs & Installation Guide 2026

Learn how to select and install FTTH butterfly drop cables. Compare GJXH vs GJXFH, G.657.A1 vs A2, and key specs

Outdoor Fiber Optic Cable | Outside Plant Fiber (OSP) Cable

Fiber optic cables for outdoor applications are engineered to withstand the more demanding conditions seen outside, from

FTTH - Round Drop Armoured Butterfly-Shaped Cable

FTTH - Round Drop Armoured Butterfly-Shaped Cable - 1-2 Fibres Briticom™ offers a wide range of

Outdoor | Telecommunication Systems Business Unit

Outdoor WTC™ with UV-resistant, gel-free design supports 144-13,824 fibers. SJSA-WTC™ is lightweight single-jacket, while

From Installation to Longevity: A Complete Guide to FTTH Butterfly ...

Learn how to install FTTH butterfly optical cables correctly, avoid common mistakes, and maximize service life with

Outdoor single -mode butterfly optical cable

Outdoor single-mode double-core butterfly cable is the signal transmission carrier of modern communication. Once it is

Outdoor Butterfly Cable Single-Mode Single-Core Cable

Outdoor Butterfly Cable Single-Mode Single-Core Cable, Find Details and Price about Optical Cable and

Outdoor Optical Cable | ADSS, GYTA, GYTS, G652 Armored

High-quality outdoor optical cables for aerial, direct burial, and duct applications. ADSS, GYTA, GYTS, GYTA33, and Figure-8

Outdoor FTTH Drop Fiber Cable, Self-Supporting

FTTH outdoor drop cable (GJYXFCH/GJYXCH) is also called self-supporting butterfly drop optical cable

Telecommunication Indoor/Outdoor Butterfly-Type Drop Optical Cable ...

GJYXCH is a versatile indoor-outdoor butterfly-type drop cable for telecommunications applications, featuring an LSZH flame

FTTH Butterfly Optic Cables: Revolutionizing Fiber-to-the-Home ...

Their unique form factor, combined with superior optical performance and environmental durability, makes them

Outdoor butterfly Optical Fiber Cable 1 Core Self-supporting ...

We mainly produce and sell relevant products such as FTTH drop cable, pre-connectorized FTTH drop patch cord, indoor/outdoor

1/2/4F Self-supporting Butterfly Drop Cable Black 2.0×5.0mm

Self-supporting Butterfly Drop Cable with central fiber core and dual strength members. Ideal for FTTH, aerial/duct installations, and

Butterfly leather line optical cable

The Butterfly leather line optical cable, also known as a butterfly ribbon cable, is a type of fiber optic cable that offers

Outdoor single-mode double-core butterfly cable

Outdoor single-mode double-core butterfly cable is the signal transmission carrier of modern communication. Once it

Contact Us

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