

Self-supporting butterfly optical cable



Article Overview

A self-supporting butterfly optical cable is a fiber optic cable designed with a butterfly-shaped cross-section that can carry its own weight outdoors while also being suitable for indoor deployment.

Structure and Design

A self-supporting butterfly optical cable features a central optical fiber unit surrounded by a bow- or butterfly-shaped sheath. Two parallel Fiber Reinforced Plastics (FRP) or similar reinforcements are placed on either side of the fiber core, and sometimes a steel wire is added for additional tensile strength. The outer sheath is typically made of low-smoke, halogen-free (LSZH) or flame-retardant PVC material, providing protection against environmental factors. Cable separation yarns are often included between the external protective layer and the optical core to facilitate stripping and splicing. The butterfly shape allows the cable to maintain dimensional stability and resist bending or crushing, while the self-supporting design enables it to be suspended between poles or along walls without requiring a separate messenger wire.

Key Features

- Self-supporting: Can carry its own weight in aerial installations, eliminating the need for additional support wires.
- Indoor/outdoor versatility: Can be used outdoors as an overhead cable and indoors for direct building entry after removing suspension components.
- Bend-insensitive fiber: Often uses ITU-T G.657 standard fibers, allowing tight bend...

Article Content

Self-Supporting Butterfly Lead-in Optical Fiber Cable

Self-Supporting Butterfly Lead-in Optical Fiber Cable Self-Supporting Butterfly Drop Cable, Find Details

Global Self-Supporting Butterfly Optical Fibre Cable Market Research ...

This report segments the global Self-Supporting Butterfly Optical Fibre Cable market comprehensively. Regional

Global Self-Supporting Butterfly Optical Fibre Cable Supply, Demand

This report studies the global Self-Supporting Butterfly Optical Fibre Cable production, demand, key manufacturers, and key regions.

1 Core FTTH Flat Drop Optical Cable, self-supported out Application

G.657/A2 - SM - 1 fo -0.45mm Steel BLI A/B - LOW FRICTION - LSZH - 2.0 X 5.0MM - BLACK This kind of FTTH self-supporting

Self-Supporting Butterfly Lead-in Optical Fiber Cable Self-Supporting ...

We are Cable manufacture and supplier, provide Self-Supporting Butterfly Lead-in Optical Fiber Cable Self-Supporting Butterfly Drop

GJYXCH Self-supporting Butterfly Lead-in Fiber Optical Cable with

The butterfly optical cable is the novel user access optical cable which combines the characteristics of the indoor soft optical cable

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

Indoor/OutdoorSelf-SupportingButterflyDrop Cable(GJYXFCH)

2□Description (GJYXFCH) Indoor/Outdoor self-supporting butterfly drop cable, the optical fiber unit is positioned in the centre. two

CN113267862B

The invention discloses a self-supporting butterfly-shaped optical cable, which comprises a reversing device and a tightening device,

ZJW 500m/1000m FTTH Self Supporting Butterfly Cable 2 Core w/ SC

ZJW FTTH Self Supporting Butterfly Cable offers reliable 2-core fiber optic connectivity for various networks. Available in 500m and

CN202486384U

The utility model relates to a self-supporting bow-type optical cable in the field of photoelectric communication.

Outdoor FTTH Drop Fiber Cable, Self-Supporting

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

Europe Self-Supporting Butterfly Optical Fibre Cable Market ...

The analysis is structured to be adaptable to any Europe Self-Supporting Butterfly Optical Fibre Cable Market while

Global and United States Self-Supporting Butterfly Optical Fibre Cable ...

Self-Supporting Butterfly Optical Fibre Cable market is segmented in regional and country, by players, by type and by

All-dielectric self-supporting cable

All-dielectric self-supporting (ADSS) cable is a type of optical fiber cable that is strong enough to support itself between structures

Self-supporting Butterfly-shaped Introduction Indoor Optical Cable for ...

Self-supporting Butterfly-shaped Introduction Indoor Optical Cable for Access Network77 For self-supporting access network, the

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

1/2/4F Self-supporting Butterfly Drop Cable

1/2/4F Self-supporting Butterfly Drop Cable Abalone Tech's 1/2/4F Self-supporting Butterfly Drop Cable is designed for aerial and

CN203191597U

The self-supporting butterfly optical cable-bundled optical cable is advantageous in convenience in construction, reduction of material

GJYXFCH Cable Self-supporting optic cable FTTH cable YCICT

GJYXFCH Cable is Self-supporting butterfly entry cable, which places the optical fiber in the center, place two parallel steel wires on

CN221631749U

The butterfly-shaped optical cable is a novel optical cable, and the tensile property of the optical cable can be improved through the

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,

Self-supporting Flat Drop Cable Types Prices & Technical Specifications

Self-supporting Flat Drop Cable- Types, prices and technical specifications
Producer, Manufacturer, Wholesaler China

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://watermanfinance.co.za>

Email: sales@watermanfinance.co.za

Phone: +49-176-8294713

Address: Neue Mainzer Str. 66-68, 60311 Frankfurt am Main, Germany

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