

Self-supporting butterfly-shaped optical cable



Article Overview

A butterfly-shaped self-supporting optical cable is a versatile fiber-optic cable designed for both indoor and outdoor use, featuring a central optical fiber unit flanked by parallel strength members for mechanical stability and easy installation.

Design and Structure

Butterfly-shaped self-supporting optical cables consist of a central optical fiber unit wrapped in a constant-section bow-type sheath, with parallel non-metallic strength members (typically FRP – Fiber Reinforced Plastic) on both sides to enhance compression resistance and protect the fibers . Some designs include a single steel wire strength member for superior tensile performance . The cable is encased in a low smoke zero halogen (LSZH) flame-retardant sheath, which is environmentally friendly and suitable for indoor and outdoor deployment . Cable separation yarns are often included between the external protective layer and the optical core to facilitate stripping and splicing .

Applications

These cables are widely used in access networks for FTTH (Fiber to the Home), FTTB (Fiber to the Building), and FTTO (Fiber to the Office) deployments . In outdoor sections, the cable can be installed as a self-supporting aerial cable, while the suspension wire components can be removed before indoor entry, allowing the cable to transition seamlessly into a butterfly-shaped indoor drop cable compatible with q...

Article Content

Butterfly Indoor FTTH Drop Cable

Butterfly FTTH drop cable is a popular type of fiber access optical cable, according to the different application environment and laying

CN202816482U

The utility model relates to a self-supporting butterfly photoelectric hybrid cable with the functions of conduction and light

CN203054291U

The ultra-flexible self-supporting type butterfly-shaped introducing optical cable is good in mechanical property, strong in plasticity,

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

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

Abalone Tech's 1/2/4F Self-supporting Butterfly Drop Cable is designed for aerial and duct installations in FTTH (Fiber-to-the-Home)

CN115390202A

The invention discloses a reinforced self-supporting butterfly-shaped optical cable which comprises an optical cable body, wherein a

Self-supporting bundling forming butterfly-shaped optical cable ...

Each butterfly-shaped optical cable unit comprises an outer sheath, an optical cable core is arranged in the outer sheath, reinforcing

China Self-supporting Butterfly-shaped Indoor Optical Cable ...

China Self-supporting Butterfly-shaped Indoor Optical Cable Manufacturer, Supplier, Factory abide by the contract, conforms into the

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

For self-supporting access network, the butterfly introduction of indoor optical cable positions the communication unit in the center,

Self-supporting butterfly-shaped optical cable

A butterfly-shaped optical cable, self-supporting technology, applied in the direction of optical fiber/cable installation, optics, light

CN203191597U

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

CN113267862A

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

CN221631749U

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

CB6320 GJYXFC Self-supporting Butterfly-shaped Introduction Indoor ...

The GJYXFC butterfly drop cable is engineered for FTTH networks. Its steel wire core allows for aerial self-support, while the LSZH

Butterfly shaped fiber optic cable for self-supporting access network ...

The butterfly shaped fiber optic cable for self-supporting access network (used for outdoor overhead introduction) is made by placing

CN112198612A

The invention belongs to the technical field of communication optical cables, in particular to a self-supporting butterfly-shaped drop-in

Custom Self supporting butterfly shaped introduction optical cable ...

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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

Self-supporting Butterfly Drop Cable | Fasten

Fasten has both butterfly drop cable and self-supporting butterfly drop cable. The cable weight ranges from 12 to 28 kg/km.

Contact Us

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