

Optical Cable Skeleton



Overview

Skeleton optical fiber ribbon cable has the characteristics of high optical fiber density, small outer diameter saving pipeline resources, good lateral pressure resistance, stable structure, convenient connection, no filling grease, and environmental protection. The invention discloses a skeleton type optical cable and a preparation method thereof. Based on the characteristics of several typical. FTTH distribution optical cable usually includes stranded loose tube optical cable, loose tube ribbon cable and skeleton ribbon cable. The. The skeleton type optical cable comprises a skeleton, a strengthening part located at the center of the skeleton, a protecting layer wrapping the skeleton wholly and a sheath layer extruding and wrapping outside the protecting layer; a plurality of rectangular skeleton grooves are distributed in. According to the state of the coated optical fiber in the optical cable, the optical cable has two types: tight structure and loose structure.



Article Content

Hot

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The optical cable not only has the excellent characteristics of a conventional skeleton type optical cable of being good in seal tightness, high in strength and easy to branch, but also...

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Composition of communication optical cable

Communication optical cable is a common wiring product. You should choose according to the nature of the specific project. Today we will introduce the structure of communication optical cable.

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The characteristics and classification of optical cables

Skeleton optical cable: The reinforcing member is located in the center of the optical cable, and the optical fiber or optical fiber ribbon is placed in

May 28, 2026 Hot

CN2876812Y

Abstract The utility model discloses a unidirectional skeleton type optical fiber band optical cable, which comprises a strip skeleton with a plurality of rectangular optical fiber band groove orderly arranged

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Skeleton type optical cable and manufacturing method thereof

Skeleton optical cable is favored by users because it does not need to strip other channels when it is used.

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Skeleton type cable

Problems solved by technology This kind of skeleton cable in the prior art has significant disadvantages: it is difficult to identify without stripping the sheath of the optical cable, and it is often necessary to

Nov 07, 2025 Hot

Easy-to-strip skeleton type optical cable

A skeleton-type optical cable and skeleton technology, applied in the direction of fiber mechanical structure, etc., can solve the problems of destroying

Sep 26, 2025 Hot

Structure of fiber optic cable (FOC)

Fiber optic cables use light to transmit data, instead of electricity as in twisted pair cables. Different types of fiber optic cables have their own specific structure.

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Detailed explanation of the application of skeleton optical fiber ...

In view of the large number of optical fiber cores and the need for frequent offline and branch connection, it is advisable to use a skeleton-type optical fiber ribbon cable with a higher optical fiber

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Full-dry skeleton tight-buffered fiber optic cable

Miniaturization solutions for optical cables emerge in an endless stream, such as air-blown micro-cable technology, tight-buffered fiber optic cable technology, and FTTX-specific skeleton

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CN112904511A

The present application discloses a skeleton cable, comprising a skeleton with a plurality of skeleton grooves, an optical fiber unit installed in the skeleton groove, a waterproof layer covering the

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Multilayer skeleton slot optical cable and manufacturing method thereof

The invention provides a multilayer skeleton slot optical cable, the optical cable comprises a reinforcer, a most inner side skeleton and outer side skeletons, the reinforcer is arranged on the center of the

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A skeleton optical fiber ribbon cable

A technology of optical fiber ribbon and skeleton, which is applied in the field of skeleton optical fiber ribbon and optical cable, can solve the problems

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Skeleton type optical cable and manufacturing method thereof

A skeleton-type optical cable and skeleton technology, applied in the direction of cables, power cables including optical transmission components, optics, etc., can solve the problems that

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FTTH Distribution Section Skeleton Optical Fiber Ribbon

In view of the large number of optical fiber cores, frequent offline and branch connections, it is appropriate to use a skeleton-type optical fiber ribbon cable with

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Structure of optical cable

Skeleton optical cable is a typical loose structure. The optical fiber is buried in the spiral groove around the skeleton with room for movement. This kind

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The invention discloses a skeleton fiber bundle optical cable with semicircular skeleton grooves, and relates to an optical cable applied to a communication network. The skeleton fiber bundle optical

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Cable skeleton with communication function

The invention provides a cable skeleton with a communication function, which belongs to the technical field of cables and comprises the following components: the framework body is provided with a

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CN113325533A

The invention improves the impact resistance of the skeleton type optical fiber ribbon cable, and meanwhile, the reinforcement layer is positioned above the skeleton groove, so that the optical fiber

Aug 12, 2025 Hot

An Overview Of Optical Fiber Cable Structure And

An optical fiber cable is a complex structure designed to protect fragile glass fibers that transmit digital data using light signals. This advanced cabling solution allows

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Novel skeleton type optical cable

A skeleton-type optical cable and skeleton technology, applied in the direction of fiber mechanical structure, etc., to achieve the effect of convenient

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A super-soft low-cost corrugated skeleton groove type optical cable, comprising a central reinforcing member (1), a skeleton groove body (2), and grooves (3) in sequence from inside to outside. The

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Types and Differences of Optical Cables

4. By Structure Central Tube Optical Cable Optical fibers are concentrated in the central tube, offering excellent tensile strength. Layer

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CN103087396B

The invention relates to an optical cable skeleton material required by skeleton-type optical cables in the modern communication industry. The optical cable skeleton material is prepared from resins such as

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The structure of fiber optical cable

Indoor fiber optical cable is classified by fiber core number, mainly single core, double core and multi-core optical cable. Indoor optical cable is mainly composed of tightly set optical fiber,

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Skeleton cable reels

Fibre optic cables, connectors and interfaces Cable assemblies, patchcords and leads Cables Cabling accessories and tools Bags and cases Wooden racks and enclosures Racks and

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