

Specifications of Optical Cable Suspension Fittings



Article Overview

Optical cable suspension fittings are designed to support, anchor, and protect aerial fiber optic cables, with components tailored for tension, vibration damping, and environmental durability.

ADSS Cable Suspension Fittings

ADSS (All-Dielectric Self-Supporting) suspension fittings are used for movable suspension of optical fiber cables on towers and poles. Key components include:

- **Armour Grip Suspension Clamp:** Composed of helically formed rods, a concave Neoprene insert (two halves), and a clamp body. The rods grip the cable at the suspension point, and the clamp body prevents axial displacement of the cable, ensuring secure support under tension .
- **Avibra Vibration Dampers:** Helically formed plastic rods that dissipate wind-induced vibrations. One section of the helix has a smaller diameter to attach securely to the cable, while the remaining length allows differential motion to reduce cable oscillations .
- **Helical Dead Ends:** Designed for full tensioning of metal-free optical fiber cables in medium and long spans, providing strain relief and anchoring at terminal or corner towers . ADSS fittings are available in multiple designs to accommodate different pole/tower spans and types, and the pre-stranded wire clamps can achieve over 95% of the cable's ultimate tensile strength without stress concentration .

OPGW and Fiber Optic Suspension Fittings

Article Content

OPGW cabling and associated hardware & fittings

The scope of supply of the optical cable includes the assessment, supply and installation of all required fittings and hardware such as

OPGW Suspension Set Installation Guide

Installation Manual-OPGW Suspension Set - Free download as PDF File (.pdf) or read online for free. The document provides

10 Overhead line fittings

The transmission capability of optical fibres would be substantially disturbed by locally concentrated compression forces as exerted

ADSS Suspension Clamp

ADSS suspension clamp can protect optical cables very well and can improve the intensity of cable line installation point. (2)ADSS

Fittings for metal-free optical fibre aerial cables (ADSS)

Application HELUCOM® ADSS armour grip suspension is used for the movable suspension of conductors and optical fibre aerial

Power System OPGW ADSS Fitting

F. Determine the number of fittings (including iron accessories) and the specifications. Tension fittings: generally 2 sets of tension

Aircraft Cable / Fittings | Griplock® Cable Suspension

Griplock® cable assemblies are available in 7×7 or 7×19 galvanized or stainless, medium-to-high tensile

Complete Guide to OPGW Hardware Fittings and Uses

OPGW hardware fittings refer to specialized components that support and protect optical fiber optic cables integrated within

The FOA Reference For Fiber Optics -Outside Plant Construction

Specifications And Workmanship Workmanship in aerial cable networks can affect the performance and reliability of the network of

Mechanical Suspensions Single and Double | AFL Global

Supporting spans of Optical Ground Wire cable through a wide range of line angle changes, the unique

Fittings for metal-free optical fibre aerial cables (ADSS)

For long spans and high forces: The dead end is mounted on the cable starting at the red crossing mark. This leads to a short cable

OPGW Hardware Fittings | Complete Fitting Sets | China Manufacturer ...

Huaneng manufactures complete OPGW hardware fittings: suspension clamps, tension assemblies, joint boxes, downlead clamps,

Mechanical Suspensions Single and Double | AFL Global

The unique design of the lightweight AFL Mechanical Suspension supports spans of optical ground wire (OPGW) cable through a

SectionVIIEngineeringInstructionOPTCL

The tension poles shall have dead end fittings. The Dead end fittings offer a continuous run of the aerial optical Fiber cable. These

Your Ultimate Guide to ADSS/OPGW Fittings

3. Correct Tooling and Torque Specifications for ADSS/OPGW Fittings While many preformed fittings do not require

Types And Characteristics Of Fiber Optic Cable

Its main technical parameters are the clamp breaking force (kN) and cable diameter (mm),

Ftth Suspension Hook, Yk-06

Excellent environmental stability Competitive price SPECIFICATION Ftth suspension hook also called fiber

ADSS / OPGW Accessories for Data & Communications

ADSS / OPGW accessories are a range of hardware components used in the installation and maintenance of data communication

Suspension sets for fibre optic cable | SAPREM

To consult details about steel fittings, earthing connectors and guy grip dead end diagrams, please consult next pages. Typical

RIBE-OPTOFIT® RIBE-OPTOFI

RIBE-OPTOFIT® HELICAL FITTINGS – OPTIMIZED DISTRIBUTION OF RADIAL FORCES TO THE OPTICAL FIBER CABLE RIBE

Accessories and Tools for Aerial and Façade Networks | Keyfibre

Superior quality accessories for overhead optical networks and facades: clamps, staples, connection retainers, anchoring and much

[How to Choose the Right ADSS Cable Accessories... | ABPTEL](#)

[How Can You Choose the Best Clamp or Fitting for Your ADSS Cable? First, know your cable diameter and rated](#)

[Hardware For OPGW Cable](#)

[We manufacture a wide range of hardware fittings for OPGW Optical Ground Wire, including Suspension and Tension Assemblies,](#)

[Fiber Optic Cable Hardware Fittings: Suspension Clamps, Armor Rods ...](#)

[Master the complete ecosystem of aerial fiber optic hardware fittings. Weunion's 2026 expert guide covers](#)

[OPGW Hardware Fittings | Complete Fitting Sets | China Manufacturer ...](#)

[We supply the complete fitting set required for a full OPGW installation: suspension assemblies, tension/dead-end assemblies,](#)

[OPGW Suspension Assembly Specifications | PDF | Equipment](#)

[These suspensions support various line angle changes and loads while ensuring cable integrity and ease of installation. The](#)

[FIBERLIGN® Suspension](#)

[The FIBERLIGN Suspension uses a combination of structural reinforcing rods \(SRR\), outer rods, housing](#)

[OPGW Hardware Fittings Overview](#)

[The document contains specifications for different types of fittings used for overhead power lines, including suspension clamps,](#)

[Suspension Clamp Archives](#)

[Full range of models and specifications: Full range of fiber suspension clamp models and specifications,](#)

Contact Us

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