Fiber Optic Drop Cable Clamp



Overview

For use with fiber drop cables Black finish to easily distinguish from copper drop clamps Specially designed shim firmly secures rigid fiber jackets.

Key Takeaways

A fiber optic cable drop clamp secures and supports FTTH drop cables, protecting delicate fibers from mechanical stress and environmental damage.

Purpose and Function

A fiber optic drop clamp, also known as a drop wire clamp, is a small but critical device used in Fiber-to-the-Home (FTTH) networks. Its primary function is to anchor the drop cable from the main distribution point to the subscriber's premises, managing tension and preventing sagging, snapping, or damage from wind, ice, or rain. The clamp ensures that the mechanical load is carried by the cable's strength member, not the fragile optical fibers, thereby maintaining signal integrity and service reliability.

Types and Specifications

© 2026 PROMETHEAS OPTICAL - All rights reserved

Drop clamps come in various designs to accommodate different cable types and installation scenarios: Flat Fiber Optic Drop Clamps: Designed for specific cable cross-sections (e.g., ~0.310" W x 0.200" H) and compatible with brands like Corning SST, Corning ROC, and Superior Essex Series. AERIALGRIP® Fiber Drop Clamps: Made from AISI 304 stainless steel, suitable for building, pole, or mid-span installations, supporting one to six drop cables and handling mechanical tension beyond the cable's yield strength. Wedge-style clamps: Often used for FTTH installations, these clamps secure the cable without crushing the fibers, providing strain relief and long-term durability.

Installation Overview

Proper installation is essential to protect the fiber and ensure network performance: Prepare the cable: Measure the required length, leaving extra for adjustments. Strip the outer jacket and buffer coating carefully using a fiber optic stripper, then clean the fiber with isopropyl alcohol. Attach the clamp: Position the drop cable in the clamp, ensuring the strength member bears the tension.

Tighten according to manufacturer specifications, often using a torque wrench to avoid over-compression. Secure to support structure: Mount the clamp on a pole, building, or mid-span support. Ensure the cable is properly tensioned and strain-relieved to prevent micro-bends or fractures.

Test the connection: Use an optical power meter to verify signal integrity after installation.

Key Considerations

Always use clamps compatible with the cable diameter and type. Ensure mechanical tension is applied to the strength member, not the optical fibers. Use safety equipment such as gloves and goggles during installation.

Regular inspection and maintenance can prevent long-term damage from environmental factors. Fiber optic drop clamps are indispensable for maintaining network reliability, protecting fiber integrity, and ensuring uninterrupted service in FTTH deployments.

© 2026 PROMETHEAS OPTICAL - All rights reserved

Article Content

Fiber Optic

For use with fiber drop cables Black finish to easily distinguish from copper drop clamps Specially designed shim firmly secures rigid fiber jackets. View Table In

Fiber Optic Drop Wire Clamp H-SI-0972SBL

Accommodates fiber drop cross section of ~.310" W x .200" H, including Corning SST, Corning ROC, Superior Essex Series 6, Superior Essex Series W7 and TE fiber drop cable. Flat Fiber Optic Drop

DROP CLAMP for FLAT FIBER CABLE | FFD12SS

Drop wire clamp for attaching flat fiber type communications cable to hooks, or span clamps that are installed on buildings, poles or at mid-span. Body and serrated

Drop Wire Clamp for FTTH & Aerial Fiber Cable Installation

High-quality drop wire clamps for FTTH and aerial fiber optic cable installation. Durable, UV-resistant, OEM supported. Factory-direct from Jera Line.

FTTH Cable Drop Wire Clamp & Accessories | HOLIGHT

These accessories are designed to secure and stabilize drop cables in residential or commercial fiber optic installations. The clamps, available in

Fiber Optic Cable Clamp

Fiber optic tension clamp aim to keep the tensile state fiber fixed and secure. It is a reliable and sturdy solution for optical cable management.

FTTH Installation Accessories – Premium Cable

ZION Communication focuses on optical fiber cable hardware products, offering FTTH and ADSS series solutions—including stainless steel, nylon, and

Fiber Accessories Fiber Optic Drop Cable Deadend Clamp, box of 25

AB910 Fiber Accessories Fiber Optic Drop Cable Deadend Clamp, box of 25 Typically ships in 28 day (s) Actual lead time confirmed upon receipt of order.

The Ultimate Guide to a Drop Wire Clamp for FTTH

Discover the ultimate guide to the Drop Wire Clamp for FTTH networks. Learn about its function, types, materials, and installation for reliable

Drop Cable Clamp/fiber optic drop wire cable clamp

© 2026 PROMETHEAS OPTICAL - All rights reserved

Drop wire clamp for attaching flat fiber type communications cable to hooks, or span clamps that are installed on buildings, poles or at mid-span.

Drop Wire Clamp for FTTH & Aerial Fiber Cable Installation

Drop wire clamps are essential components in aerial fiber optic networks, ensuring secure, long-lasting, and safe installation of drop cables. Choosing the right clamp type, following

Trusted Fiber Drop Cable Clamp Supplier in China

Fiber Drop Cable Clamp Catalog Check the most used Fiber Optic Cable Clamps with price list, Then you can get a very helpful reference for future procurements.

Drop Cable Clamp 1300N | Secure Fiber Optic Cables Up To 5mm

The FTTH drop cable clamp is an essential component for effective cable management in fiber optic distribution networks. Designed to securely hold round optical cables, this clamp can accommodate

Provide Various Fiber Cable Clamps-OMC FTTH

FTTH Round Drop cable Clamp for 2.0-4.0mm OD FTTH Flat Drop cable Clamp ODWAC-24S Flat Drop cable Anchor Clamp Essential Components for Ensuring Cable Stability and Efficient Transmission

FACH-BW-01-A Fish Type Ftth Drop Cable Clamp

FACH-BW-01-A Anchor Clamp, Ftth Drop Cable Clamp Self-Adjustable for fig-8 cable with stainless steel or aluminum alloy messenger are developed to anchor optical fiber cable with steel messenger

FTTH Anchor Plastic Small S type Cable Holder Fiber

Anchor FTTH optical fiber clamp and drop wire cable brackets are available either separately or together as assembly. FTTH Drop cable anchor clamps passed the

FTTH drop cable & clamp system

FTTH drop cable & clamp system Jera Line stands out as a prominent global manufacturer specializing in FTTH self-supporting cables and clamps. With a

FTTH S Type Flat Open Hook Fiber Drop Cable Tension Clamp

Drop cable anchor clamp is used on dead-end fiber optic cables. FTTH drop cable S-type fitting is easy in installation,and requires preparation of optical cable before attaching.

Related Video Reference

© 2026 PROMETHEAS OPTICAL - All rights reserved

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://prometheas.fr
Technical inquiry: https://prometheas.fr/project-desk.html
North American project region: Ashburn, Loudoun County, Virginia, United States

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 PROMETHEAS OPTICAL - All rights reserved