

High-density FTTH cable take-up and pay-off frame intelligent type in stock



AI Overview

Intelligent high-density FTTH cable take-up and pay-off frames are available with automated tension control, modular design, and high-speed operation for FTTx deployments. Take-Up and Pay-Off Systems for Fiber Cables O.M.A. offers a wide range of take-up and pay-off systems suitable for cables, hoses, and ropes, including intelligent, electronically controlled models. These systems support flanged reels from 400 to 4000 mm and speeds from 3 to 500 m/min. They can be equipped with torque or speed control, electronic detection systems, and adjustable traverse mechanisms, making them ideal for high-density fiber optic cable handling. Comprex provides traversing take-ups for continuous cable production, featuring automatic switching from full to empty spools, high rotation speeds up to 30 m/s (180 m/min), and integrated tension compensators. These systems can operate in constant tension mode for larger cables or with a tension compensator for smaller fiber cables, ensuring safe and precise winding. Davis-Standard and Maillefer offer dual reel take-ups and flyer pay-offs for fiber optic cables, supporting high-speed, fully automatic operation with reel handling options, optical traverse control, and compatibility with various cable diameters and reel weights. High-Density FTTH Cable Frames For fiber distribution and management, Corning's Centrix™ System provides a high-density intelligent frame supporting up to 4,320 LC or 2,880 SC ports per 7-ft frame. It features optimized jumper routing, modular cassettes, and MTP-enabled modules, suitable for FTTx, Fiber Deep, and NG-PON networks. Belden's DCX Optical Distribution Frame (ODF) System offers modular, flippable cassettes and multiple configuration options for high-density fiber management. These frames are designed for efficient cable handling, reduced entanglement, and scalable deployment in cen...

Article Content

Design and Implementation of a Fiber to the Home FTTH Access

a type B protected GPON based FTTH access network serving 1000 users, it adopted engineering approach to emphasize practical aspects and field experience. The design procedure followed a

FTTH Cable Production Line – Essential Machines

Struggling with inconsistent FTTH cable quality or slow output? High production costs eating into profits? Setting up the right line feels complex,

Pay-off & Take-up

Shineworld's flexible and reliable take-up and pay-up bring power to cable plants. We offer a wide range of efficient take-ups and pay-offs that give you a variety of

MFPS Fiber Panels for Central Office/Headend | CommScope

With as many as 288 patch positions in a 3HU size, the MFPS provides best-in-class fiber density. Yet the space-saving design also gives technicians and installers all the accessibility they need.

FTTH solutions for the fixed access network

Our solutions for FTTH applications support you in organising your fiber connections and building a future-ready system. With our dedicated structured cabling

Pay-offs & Take-ups

Pay-offs & Take-ups Hengtai offers a wide range of pay-offs and take-ups to support any application in the production of cable industry. Ease of use, reliability and robustness are the cornerstones in which

FTTH Design & Planning: Best Practices & Future Insights

FTTH Design Best Practices Comprehensive Network Planning: Start with meticulous planning encompassing demand forecasting, geographical analysis, and future expansion considerations.

FTTH solutions for the fixed access network

Simplify your FTTH operations with our high-density and upgradeable structured cabling solutions Speeding up the roll-out of Fiber-to-the-home (FTTH) is

FHD® High-Density Modular Cabling for Data Center

By consolidating up to 24 fibers in an MTP® port, FHD® high-density cabling drastically reduces physical space requirements by up to 50%. The pre-terminated, plug-and-play design accelerates

Fiber to the Home (FTTH) Network: Choosing the Right

Building a new broadband network? Learn the advantages and tradeoffs of each fiber-to-the-home (FTTH) architecture and the tradeoffs that

FTTH Products | OLT, ONU, Optical Splitters, Fiber

Discover essential FTTH products like OLT, ONU, optical splitters, and fiber distribution boxes. Learn how to design and deploy an efficient FTTH network for

Optical Distribution Frame (ODF): High-Density Rack

As a professional optical distribution frame manufacturer, OTRANS delivers reliable, modular ODF solutions compliant with international standards—ideal for high

Ftth development manual part1 (1) | PDF

FTTH Development Manual/Part 1: FTTH Design & Installation Ch3 - 3 For cross-connecting the fibers between Under Ground (UG) cables or main cable, splitter

Fiber Optic Systems

Add high-density connectivity with our fiber optic bulk cable options for your indoor, outdoor, or OSP runs.

Gantry Type Take-up and Pay-off Stand Unit

Gantry Type Take-up and Paying Off Stand Unit is designed for large and heavy duty cables, such as extruder, rewinding line, taping and armouring line.

Optical Fiber Drop Cable Explained: Type, Application & FTTH

Optical fiber drop cable, also known as FTTH (Fiber to the Home) cable, serve as the critical final segment in fiber optic network. These cable bridge the gap between an ISP's backbone

Enhanced Management Frame (EMF)

User-friendly features, such as single jumper length, integrated inter-bay jumper storage, transparent modules, and multiple inter-bay fiber routing options, make this frame ideal for FTTx deployments

Fiber to the Home (FTTH) guide | IQGeo

Fiber to the Home (FTTH) refers to the use of fiber optic cable to deliver broadband internet connections from a central location directly to the home. In a FTTH

Pay-off & Take-up

Versatility Makes You Widely Profitable Shineworld's flexible and reliable take-up and pay-up bring power to cable plants. We offer a wide range of efficient take

High Density Optical Distribution Frame | ODF | GPX82

LongXing optical fiber distribution frame GPX82-9-2 is made of top quality steel treated with galvanizing, oxidation and electrostatic plastic spraying. The frame

2025 FTTH Market Panorama

The 2025 edition of the FTTH/B Market Panorama presents the latest insights into FTTH/B coverage and adoption in Europe as of September 2024. The country-specific report, compiled by the Market

Optical Distribution Frame System

Achieve successful cable management, handle high amounts of fiber cable and add density to fiber frames with the new DCX Optical Distribution Frame (ODF)

FTTH Handbook – edition 9 | FTTH Council

Discover the updated FTTH Handbook, Edition 9 - your complete guide to fibre network planning, design, build, and operation, now with new

The FOA Reference For Fiber Optics

The connection to the customer's equipment for Internet service will depend on what the customer currently has installed or what they want to have after the FTTH

Fiber Distribution | Fiber Distribution Architecture | Corning

With reliability, density, and scalability being critical, Corning offers multiple passive distribution hardware offerings for customers. From a frame and rack standpoint,

Cable Pay-Off & Take-Up Machines: Types and Applications

Discover the best cable pay-off and take-up machines – Portal Type, Hydraulic Swing Arm, and Gantry Hanging models. Improve cable handling efficiency today!

Fiber Patch Panel (ODF) and High-Density MPO

In modern optical communication networks, efficient cable organization and signal reliability are critical. The fiber patch panel, also known

Pay-Offs and Take-Ups | Cable Machinery Supplier | S& A

S& A offers a comprehensive lineup of pay-offs and take-ups, including multi head pay-off, gantry and portal type pay-off and take-up, automatic double coiling and binding machine, and more.

Ubiquitous Fiber Networks with Huawei ODN 3.0

This is intended to support development over at least the next five years, and carriers should not expect a high take-up rate in the first year of project

Understanding FTTH Architecture

Feeder Cables – These cables are the main cable(s) being routed through a populated area. Assemblies are normally fiber-rich, including fiber counts from 72 to 1,728 strands.

Contact Us

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