

RIVO MULTITRADE OPTICAL SYSTEMS

Use of fiber optic cable puller



Overview

Fiber Optic Cable Pullers The Fiber Cable puller is a simple, easy to use cable puller that is designed to accommodate industry standard sheaves of 9", 24".

Key Takeaways

Fiber optic cable pullers are specialized tools used to safely and efficiently install fiber optic cables by managing tension, guiding the cable, and preventing damage during pulling. Purpose and Function

A fiber optic cable puller is designed to facilitate the installation of fiber optic cables in various environments, including underground conduits, inside walls, or across long distances, while minimizing the risk of damage to the delicate fibers inside the cable. These tools handle the tension and weight of the cable, ensuring smooth movement and reducing the likelihood of kinks, twists, or stretching that could compromise performance.

Key Features

Modern fiber optic cable pullers often include:

- Adjustable pull-off tension settings to match the cable's specifications and prevent over-stressing the fibers.
- Integrated rollers or guides to reduce twisting and kinking during the pull.
- Ergonomic handles and lightweight designs for operator comfort during extended use.

- Battery-operated or motorized options for longer runs and increased flexibility on job sites .
- Capstans or hydraulic systems in heavy-duty models to control pulling force for underground or armored cables .

Proper Usage

Using a fiber optic cable puller involves several critical steps:

- Preparation: Evaluate the installation route, clear obstacles, and gather necessary tools such as gloves, measuring tape, and the puller itself .
- Strength Member Utilization: Always pull the cable by its internal strength member (typically Kevlar or aramid yarn) rather than the outer jacket to prevent stretching or tearing . Expose the strength member by stripping a small portion of the jacket and secure it to the pulling eye.
- Tension Management: Monitor and maintain pulling force within the cable's rated limits (e.g., 600 lbs for outside plant cables, 300 lbs for indoor cables) using tension monitoring equipment or breakaway swivels .
- Bend Radius Consideration: Respect the cable's minimum bend radius, which is larger under tension, to avoid microbends or macrobends that can degrade signal quality .
- Despooling: Reel the cable off the spool carefully to prevent twisting or stressing the fibers .
- Post-Pull Inspection: Cut off any potentially stretched or damaged cable ends before termination or connectorization .

Types of Pullers

- Handheld or lightweight electric pullers: Suitable for indoor or short runs.
- Trailer-mounted or hydraulic pullers: Designed for heavy-duty, long-distance, or underground installations .
- Pulling eyes and kits: Used for pre-terminated or multi-strand cables, often incorporating rotating clips to reduce twisting .

Best Practices

- Always plan the route and calculate estimated pulling tension.
- Use the cable's strength member for pulling, not the outer jacket.
- Monitor tension continuously to avoid exceeding manufacturer specifications.
- Maintain proper bend radius and avoid sharp turns.
- Inspect cable after pulling to ensure no internal damage has occurred. By following these guidelines, fiber optic cable pullers can significantly improve installation efficiency, protect cable integrity, and extend the lifespan of the network .

Article Content

Fiber Optic Cable Pullers

The Fiber Cable puller is a simple, easy to use cable puller that is designed to accommodate industry standard sheaves of 9", 24",

What is a Fiber Optic Cable Puller and How to Use It?

In the world of telecommunications, ensuring a reliable and efficient installation of fiber optic cables is paramount. A fiber optic cable

Underground Cable Puller Safety Tips for Fiber Crews

Safety in underground fiber optic installation is not a matter of chance; it is the result of diligent planning, rigorous procedures, and a

Fiber Optic Cable Pullers

At A-Aerial we offer competitive price for any Fiber Optic Cable Puller. The Fiber Cable puller is a simple, easy to use cable puller

Fiber Optic Cable Pullers

Fiber Optic Cable Pullers Condux International offers a complete line of versatile cable pullers for a variety

Pulling Eye Kit for Simplex & Duplex Fiber Optic Cable

A fiber optic cable puller is a specialized tool used during the installation or pulling of fiber optic cables. The fiber puller is designed to

Fiber Optic Pullers: Transmission

Timberland Equipment fiber-optic pullers provide dependable overpull protection for the cable, as standard. The operator controls

CableGlider® FO Cable Puller

procedure and safety instructions before using a Condux Fiber Optic Cable Puller. Observe all safety information on this page and

Related Video Reference

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://rivomultitrade.co.za>

Technical inquiry: <https://rivomultitrade.co.za/contact.html>

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

