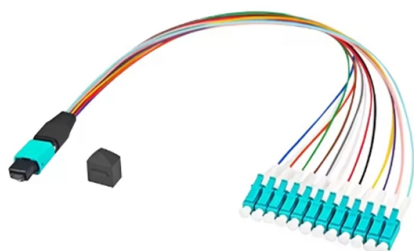


Fiber Optic Cable Pulling Machine Equipment



Overview

Fiber Optic Cable Puller The Fiber Optic Cable Puller from Condux sets new standards for safe, accurate pulling of fiber optic cables. Only the Condux pull.

Key Takeaways

Fiber optic cable pulling machines are specialized devices designed to safely and efficiently install fiber optic cables, available in hydraulic, electric, gas, and battery-powered models with various capstan sizes and tension controls. Types of Fiber Optic Cable Pullers1. Hydraulic Pullers: Hydraulic pullers, such as those from Condux, use a hydraulic motor with variable speed foot control and adjustable pressure relief valves to manage pull tension.

They provide precise control over cable tension, often up to 600 lbs on a 30" capstan, and can include electronic tension monitoring systems for accurate load measurement and recording. These are ideal for long runs and high-density fiber installations. 2.

Electric and Battery-

Powered Pullers: Battery-powered units like the GMP eCapstan or GMP SideWinder use rechargeable lithium iron phosphate batteries and offer variable speed control with push-button force selection. They are quiet, emission-free, and suitable for indoor or environmentally sensitive areas. Electric pullers provide consistent power and are easier to operate in confined spaces.

3.

Gas-

Powered Pullers: Gas-powered pullers, such as the TUF-Lugger Lite, provide a portable power source without the need for an external power pack. They are simple, lightweight, and cost-effective, offering sufficient pulling force for standard fiber optic cable installations.

Key Features

Capstan Sizes: Common capstan diameters range from 7.25" to 42", allowing compatibility with different cable bend radii and duct sizes. **Pulling Force:** Machines can provide pulling forces from several hundred pounds up to 3,500 lbs, depending on the model and application.

Tension Control: Many pullers include adjustable tension limits, pressure relief valves, and electronic monitoring to prevent cable damage. **Portability:** Trailer-mounted units or skid-mounted systems allow deployment in tight or congested areas, with some models operable by a small crew. **Safety and Efficiency:** Free-spinning capstans and smooth drum transitions reduce stress on cables, prevent binding, and ensure controlled installation across conduit offsets.

Applications

Fiber optic cable pullers are used for: **Underground installations:** Pulling cables through ducts or conduits with minimal bending stress. **High-density fiber projects:** Managing large-count fiber cables safely. **Indoor or environmentally sensitive areas:** Battery-powered units provide quiet, emission-free operation.

Urban or congested sites: Trailer or skid-mounted pullers allow maneuvering in tight spaces while maintaining high pulling speeds.

Summary

Fiber optic cable pulling machines are essential for modern telecommunication installations, offering controlled tension, variable speed, and adaptability to different cable types and installation environments. Choosing the right puller depends on factors such as cable size, duct layout, power source availability, and site constraints, ensuring safe, efficient, and damage-free cable deployment.

Article Content

Fiber Optic Cable Puller

The Fiber Optic Cable Puller from Condux sets new standards for safe, accurate pulling of fiber optic cables. Only the Condux puller can offer load cell torque

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", 30", or 40" diameter specifically intended for use with fiber optic cables

FIBER PULLING | General Machine Products Company

The Hydraulically Limited Cable Puller is designed to offer exceptional value while providing critical speed control and overload protection. It is simple to set up and

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Installation of Optical Fiber Cable by Blowing/Jetting

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Fiber Optic Cable Puller Trailer

Options include a choice of two Condux Fiber Optic Cable Puller packages, choice of four capstans, a 13 HP (9.7 kW) Power Pack and a Remote Mounting Stand.

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

