

Suitable optical cables for blown cable



Article Overview

Blown fiber optic cables, including loose tube, microduct, and mini cables, are designed for air-assisted installation in ducts and microducts, offering flexibility, low friction, and high fiber density.

Types of Cables for Blown Installation

1. **Loose Tube Cables** Loose tube cables are widely used for outdoor and duct installations. They contain multiple buffer tubes with 12 to 24 fibers each and are lightweight, durable, and flexible. These cables can be blown, jetted, or pulled into ducts, making them suitable for long-distance installations with multiple bends. Dielectric loose tube cables are also suitable for lashed aerial installations . 2. **Ribbon Cables** Ribbon cables offer high fiber density and are ideal for mass-fusion splicing. They are pre-engineered to improve bend performance and reduce preparation time, making them suitable for high-capacity networks where installation speed and space efficiency are critical . 3. **Microduct and Mini Cables** Microduct cables, such as AFL MicroCore® or MiniXtend® cables, are smaller in diameter and designed specifically for air-assisted installation in microduct systems. They are lightweight, flexible, and have a low-friction jacket to enable longer blowing distances and easier handling. These cables are ideal for FTTx deployments and network expansions where duct congestion is a concern .

Key Considerations for Blown Cable Installation

- **Cable Flexibility and Stiffness:** Flexible cables navigate multiple bends better, while stiffer cables can achieve longer straight-line blowing distances without buckling

Article Content

Dec 28, 2025

Pulling and blowing a cable in a duct

Readers of this document are encouraged to seek information on specific matters regarding Optical cables and components from the

Oct 26, 2025

Installation of Optical Fiber Cable by Blowing/Jetting

Standard optical fiber cables (like uni-tube, multi-tube, unarmored & armored), micro duct cables, and micro-ducts can be installed by

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A Comparison of Blown Fiber and Conventional Fiber Installation

There are three methods of installing optical fiber: Conventional cabling whereby optical fiber cable is pulled through

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Push, Pull or Blow? Fibre Optic Cable Installation Guide | Webro

Should you push, pull or blow your fibre cable? Webro's guide covers blown microcables, pushable cables for short

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Air Blown Optical Fiber Cable

Leviton Air Blown Fiber Systems offer solutions for internal and external applications with their market leading Blolite and MicroBlo.

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Structured Cabling: Conventional Fiber Vs. Air Blown Fiber Cable

Fiber, though, has gone through a transformation over the years. Traditionally, you had two choices when installing fiber optic cable:

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Fiber Blowing Technology Explained

Understanding the Air Blown Fiber Installation Principle Air blown fiber installation uses a combination of pulling force,

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Fiber Optic Cable Blowing Procedure: Full Guide (2024)

Learn the fiber optic cable blowing procedure with our detailed guide, covering essential

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Air-Assisted Installation Considerations

Placing optical fiber cables in duct systems using air-assisted installation techniques presents different installation requirements than

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Push, Pull or Blow? Fibre Optic Cable Installation Guide | Webro

Installers in the telecoms industry often ask whether they should push, pull, or blow fibre optic cable types. Here we

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What is Blown Fibre?

What is Blown Fibre? Blown Fibre takes the elements that make up a conventional fibre optic

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Duct Cables | Air Blown Fiber Optic Cable Ducts | Corning

These cables are pre-engineered to improve bend performance, reduce cable preparation time, and

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A comparison of conventional fiber and blown cable

Blown cable has four components: 1) microduct, 2) the blowing apparatus, 3) the optical-fiber bundles, and 4) the

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Fiber Optic Cable Types: A Complete Guide

The plethora of fiber optic cable types can seem overwhelming, but choosing the right cable for the job is important.

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Air-Blown vs Traditional Cabling: When to Use Each

Here I explain why. Blown fiber cables enter the market The earliest known version of blown

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Qualifying cable blowing performances

Blowing in is a commonly used method for installing fibre optic cables in Europe. Find out how you can increase the probability of

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MicroCore Blown Fiber Optic Cable | AFL EMEA

These cables are optimized for air-jetting into micro-duct pathways. AFL MicroCore® is an advanced Blown Fiber Optic Cable

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Fiber Optic Cable Types Explained: Choosing the Right Fiber Cable

Fiber Optic Patch Cable Types and How to Choose the Right One? Fiber optic cables come in various types based on

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Air Blown Fiber Optic Cable & Micro Cables | DYS

DYS air blown fiber optic cables and EPFU micro units are designed for jetting into microduct networks, delivering very high fiber

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Blown Fibre

Blown fibre installs use glass fibre optic cables, blown with a combination of air and mechanical pushing through a ducting pipe. This

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SiroccoHYBRID optical and power cables for blown

Sirocco HYBRID microduct cables and novel power transmission methods allow network operators to

Nov 29, 2025

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Essentially there are three methods of installing optical fiber: 1) Conventional cabling through which optical fiber cable is pulled by

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Fiber Blowing Solutions: A New, Efficient and Flexible

Fiber cables can be blown in these microducts without splicing, enabling flexible point-to

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