350 meters of optical cable



Overview

Constructed with stronger materials and protective coatings, direct-burial fiber optic cables ensure efficient signal transfer and minimize signal loss or disruptions.

Key Takeaways

350 meters of optical cable can serve both high-speed data transmission and decorative lighting applications, depending on the cable type and installation environment. Types and Applications1. Data Transmission Fiber Optic CablesDirect-Burial Fiber Optic Cable: Designed for outdoor use, these cables can be buried directly in the ground without additional conduits.

They are highly durable, resistant to moisture, temperature fluctuations, and physical damage, and often include steel strength members for protection against crushing or bending. A 350-meter cable with 4 fiber strands allows multiple data streams simultaneously, making it suitable for long-distance networking and data center connections.

Indoor/

Outdoor Multimode Fiber: Single-strand (FC-FC simplex) or duplex (FC-ST) multimode cables with 50/125 µm core/cladding are suitable for both indoor and outdoor installations. They support high-speed data transmission over 350 meters, with minimal signal loss, and can be used for connecting network devices, switches, or servers. 2.

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Decorative or Lighting Fiber Optic CablesPMMA End-Glow Fiber: A 2mm thick, 350-meter roll of plastic fiber optic cable is ideal for artistic or decorative projects, such as star ceilings, home theater lighting, or costume illumination. Light travels through the fiber via total internal reflection, and the cable is flexible, waterproof, and safe to handle. It requires a light source (LED illuminator) to function and can be cut to custom lengths.

Installation Considerations

Signal Integrity: Fiber optic cables transmit data via light pulses, so attenuation over 350 meters is minimal for multimode fiber, making it suitable for medium-range networking. Environment: Direct-burial cables are ideal for outdoor installations, while indoor/outdoor multimode cables can be routed through walls, ceilings, or conduits.

Decorative PMM

A fibers are not for data but for visual effects. Protection: Outdoor cables often include protective coatings and steel members to prevent damage from rodents, moisture, or physical stress. Indoor cables may require conduit for mechanical protection.

Summary

A 350-meter optical cable can be chosen based on purpose: high-speed data transmission with multimode or direct-burial fiber, or decorative lighting with PMMA end-glow fibers. Proper selection ensures durability, signal quality, and suitability for the intended environment and application.

Article Content

4 Strands Direct-Burial Fiber Optic Cable 350 Meters

Constructed with stronger materials and protective coatings, direct-burial fiber optic cables ensure efficient signal transfer and minimize signal loss or disruptions. Equipped with 4 fiber strands,

350M Direct-Burial Fiber Optic Cable

Direct-burial fiber optic cables can be directly buried in the ground, which eliminates the need for additional protective conduits or ducts, saving installation time and costs. They are designed to offer

350M Simplex Multimode Fiber Optic Cable (50/125)

350 Meter Length, Simplex Single Strand Fiber Optic Cable. Our fiber cables are the best quality online. To see our connector guide please Click here.

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350M FC-FC Duplex Singlemode Fiber Optic Cable 9/125 Plenum

We cannot offer refunds for shipping and handling fees in these situations. 350 Meter Length Singlemode (9/125) Plenum FC-FC Duplex 2 strand Fiber Optic Cable.

Fiber Optic Patch Cable 6 Core Armored 350M-500M Single

Supports fast data transfer over distances from 350 to 500 meters, ideal for FTTH installations. Compatible with SC, LC, FC and ST connectors, for versatility in a variety of network

Singlemode Fiber Optic Launch Cable, 350 m, SC/UPC

Singlemode Fiber Optic Launch Cable, 350 m, SC/UPC-SC/APC Designed with unique compact housing and 350 meters of fiber, this launch cable is perfect for

Optical Fiber S/PDIF Digital Audio Cable, 1.5M, High-Precision Fiber ...

Expert Features Optical S/PDIF Audio Connection : Transfers digital audio signals between compatible devices through an optical fiber connection. 1.5-Meter Cable Length : Provides practical reach for

4 Strands Direct-Burial Fiber Optic Cable 350 Meters

Underground Cables without Conduits Direct-burial fiber optic cables can be directly buried in the ground, which eliminates the need for additional protective conduits or ducts, saving installation time

OM4 LC to LC Fiber Patch Cable 10ft/3m, 40G/100Gb 50/125um

Enhanced Transmission Distance: With a bandwidth of 4700 MHz·km @850nm, this fiber optic cable provides excellent transmission distances. It supports up to 400 meters for 10Gb Ethernet, 350

Fiber Optic Cable Tractor Traction Machine Optical

Fiber Optic Puller used for the construction of fiber optic cable pipelines. It can adapt to the propulsion and recovery of 5-45 optical cables or cable cables. The speed

350M Pre-terminated Fiber Optic Cable

Pre-Terminated Fiber Cable: A Game Changer Fiber optic cables are becoming increasingly popular for data transmission due to their ability to transmit data over long distances without signal loss. Pre

12 Strands Direct-Burial Fiber Optic Cable 350 Meters

Understanding Direct-Burial Fiber Optic Cable Direct-burial fiber optic cable is a type of cable that is specifically designed to be buried underground without the need

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China Top 10 Fiber Optic Cable Manufacturers in 2025

The fiber optic cable industry in China has solidified its position as a global powerhouse, driving the expansion of high-speed networks, 5G

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Fiber Optic Cable Distance: A Comprehensive Guide

Fiber optic cables are the backbone of modern communications, enabling high-speed data transfer over vast distances. Unlike traditional copper cables, fiber optic cables use light to transmit

Fiber Optic Cable Range: Comprehensive Guide

Fiber optic cable range varies depending on whether you''re using single or multimode fiber. Learn the potential for both cable types.

Optical Power Meter: A Tool for Measuring Fiber Optic Power

An optical power meter is a device used to measure the power of an optical signal. It is a valuable tool for fiber optic technicians, as it can be used to measure the power of a variety of fiber optic devices,

Fiber Optic Cable Range: Comprehensive Guide – TURNSTONE CABLES

Fiber optic cable range explained with key tips on distance, types, and setup to keep connections stable, fast, and ready for future upgrades.

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