

Fiber optic cable over 30 meters



Overview

30 meter fiber optic cables | Newegg.comSearch Newegg.com for 30 meter fiber optic cables. Get fast shipping and top-rated customer service. MTP 12-Strand.

Key Takeaways

A 30-meter fiber optic cable is typically an OM3 multimode LC-to-LC duplex cable, supporting 10Gb data transmission over short distances with high reliability.Key Specifications

- Length: 30 meters (~98 feet)
- Fiber Type: OM3 multimode, 50/125 μm core/cladding, suitable for high-speed LAN applications
- Connectors: LC (Lucent Connector) on both ends, duplex configuration for simultaneous bidirectional communication
- Data Rate: Supports up to 10 Gbps over distances up to 300 meters for OM3 fiber
- Cable Diameter: 2 mm, with durable jackets such as aqua riser-rated or LSZH (low-smoke, zero halogen) for safety and environmental compliance
- Durability: Kevlar Aramid yarn reinforcement for tensile strength, low insertion loss, high return loss, and repeated insertion reliability

Applications

- Enterprise Networking: Connects switches, routers, patch panels, and SFP/SFP+ transceivers in data centers

- Home Labs and Small Networks: Provides high-speed, low-latency connections for testing or home setups

- Telecommunications: Ensures stable, low-loss connections for short-range fiber links

Advantages

- High Performance: Optimized for 10Gb LAN speeds with minimal signal loss

- Ease of Installation: Labeled fibers ("1" and "2") for correct polarity, dust caps to prevent contamination

- Durable and Safe: Flame-retardant, anti-corrosion, pull-resistant jackets, suitable for indoor and riser applications

- Future-Proof: Compatible with current and next-generation networking equipment

Summary

A 30-meter OM3 LC-to-LC fiber optic cable is ideal for high-speed, short-distance networking applications. Its duplex design, robust construction, and high data rate support make it suitable for enterprise, data center, and home lab environments, ensuring reliable and efficient data transmission .

Article Content

MTP 12-Strand OM3 40/100 Gigabit Type-B Fiber Optic Cable

This 30 meter (98.4 foot) high-quality Plenum approved Type-B female MTP (MPO) fiber optic cable is rated to 40/100 Gigabits. It

30 Meter Multimode Duplex Fiber Optic Cable (50/125)

Upgrade your network with our high-quality fiber patch cables, designed for lightning-fast speeds, reliability, and long-term

Fiber Optic Cable Distance: A Comprehensive Guide

However, fiber optic cable performance over distance varies depending on factors such as cable type, installation

How Far Can a Fiber Optic Cable Be Run? Distance Guide

Fiber optic cables can run up to 80 km without a repeater. Learn exact limits by cable type, application, and how to

Fiber Optic Cable Range: Comprehensive Guide

Fiber optic cable range explained with key tips on distance, types, and setup to keep connections stable, fast, and

Fiber-optic communication

Optical fiber is used by many telecommunications companies to transmit telephone signals, internet communication, and cable

The FOA Reference For Fiber Optics -Outside Plant Construction ...

Pulling a new fiber optic cable over an existing one is never recommended due to the possibility of entanglement. Techniques exist to

Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts

Cable Distance Limits

Single-mode fiber optic cables can run for many kilometers before it stops working. Unless the cable is being lain long

Fiber Optic Cables and Extensions

Transmit data over long distances while retaining signal power with fiber optic cables. This innovative material is efficient, safe and

How Long Can An Optical Cable Be□

The length of an optical cable can vary significantly depending on the type of fiber used, the application, and the

Fiber Optic Cable Types Explained

OM5 multimode fiber optic cables have a core diameter of 50 microns, which allows them to transmit data over distances of up to

What Is the Maximum Distance for A Fiber Optic Cable?

Amplifiers/Repeaters: Using optical amplifiers (in single-mode fiber) or repeaters can help maintain signal strength over long

OWC USB4 Active Optical Cable: Up to 40Gb/s Transfer Speeds

You can conquer the 2-meter distance "dark side" of traditional copper-based Thunderbolt and USB4 cables with the OWC USB4

30 m Fiber Optic Cables – Mouser

30 m Fiber Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for 30 m Fiber Optic

OM3 LC to LC Fiber Patch Cable, 30m 10Gb Multi-Mode Jumper

This multimode fiber cable adopts fiber America Kevlar Aramid Yarn, higher tensile strength. 50/125um fiber core and 2.0mm cable

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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