

1 meter fiber optic cable



Overview

1 m Fibre Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for 1 m Fibre Optic Cables.

Key Takeaways

A 1-meter fiber optic cable is a short-length cable used for high-speed data transmission, available in singlemode or multimode, with various connector types like LC, SC, or MPO.

Overview

A 1-meter fiber optic cable is typically used for connecting networking devices in data centers, enterprise networks, or home labs. These cables are designed for high-speed, low-loss data transmission and are often pre-terminated with connectors for easy installation. They are available in singlemode (9/125 μm core) for long-distance transmission and multimode (50/125 μm or 62.

5/125 μm core) for shorter distances.

Types and Features

Singlemode vs Multimode: Singlemode cables are ideal for long-distance, high-bandwidth applications, while multimode cables are suited for shorter distances and high-speed LANs. Duplex vs Simplex: Duplex cables have two fibers for simultaneous bidirectional communication, whereas simplex cables have a single fiber. Connectors: Common connectors include LC, SC, MPO, and APC/UPC types, which ensure compatibility with transceivers, switches, and patch panels.

Jacket Types: Indoor, outdoor, plenum-rated, and armored jackets are available to protect against environmental factors like moisture, abrasion, or fire.

Applications 1-meter fiber optic cables are commonly used for: Connecting SFP/SFP+ transceivers in switches and routers Linking media converters and patch panels Short interconnects in data centers or network racks Home lab setups for testing and high-speed networking **Pricing** The cost of a 1-meter fiber optic cable varies depending on type and quality: Singlemode patch cables: approximately \$1–\$3 per meter at retail Multimode patch cables: slightly higher, around \$2–\$5 per meter Pre-terminated cables with high-quality connectors may cost more due to factory testing and low insertion loss guarantees **Key Considerations** Ensure the fiber type matches your network equipment (singlemode for long distances, multimode for short distances) Check connector compatibility with your devices Consider environmental protection if the cable will be used outdoors or in harsh conditions Verify polarity and labeling for duplex cables to maintain proper signal flow In summary, a 1-meter fiber optic cable is a versatile, short-length solution for high-speed network connections, available in multiple types and connector configurations, with pricing influenced by fiber type, strand count, and connector quality.

Article Content

1 m Fibre Optic Cables – Mouser Europe

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1 meter LC/LC Singlemode Duplex Fiber Optic Cable,

Product Description This 1 meter (~3 feet) fiber optic cable is terminated with LC (Lucent Connector) connectors on both ends. It is a singlemode fiber (9 micron

Amazon : SpeedaLite UNC

SpeedaLite Fiber Optic Cables will revolutionize the way we communicate. They allow for higher speeds than copper wires, and as such have become a standard in many data centers today.

1 Meter LC/ST Singlemode Duplex Fiber Optic Cable,

Product Description This 1 Meter (~3 foot) fiber optic cable is terminated with an LC (Lucent Connector) on one end and an ST (Straight Tip/Bayonet Connector) on

Fiber Optic Patch Cables

We offer 100 different varieties of Singlemode and Multimode fiber optic cables that can be bought anywhere from 1 m to 15 m in length. Same-day shipping!

1M LC to ST Fiber Optic Patch Cable Multimode OM1 Duplex

Buy 1M LC to ST Fiber Optic Patch Cable Multimode OM1 Duplex 62.5/125µm Optical Patch Cord 1G/10G Fiber Optic Cable LC-ST 1 Meter (3.2ft) with fast shipping and top-rated customer service.

Fiber Optic Cables | Fiber Patch Cables | Patch Cords, Duplex

FCD offers TAA Compliant and Made in the USA fiber optic cables. We can custom build any length and type of fiber you need and we'll ship the order typically within 1-2 days.

1M Fiber Optic Cable

This singlemode, duplex fiber cable is comprised of corning optical fiber with ceramic connectors. The connectors utilize a UPC (Ultra Physical Contact) polish which provides a better surface finish with

AUA-9 1Mw Power FTTH Fiber Optic Optical Power Meter Cable Tester

Summary This type of Handheld optical power meter is a compact and an easy-to-use testing instrument for optical fiber networks, which can be used for absolute optical power measurements as well as for

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 ergonomic.

Fiber Optical Cable Single Mode

Six Fiber Core 20 Meter Long Cable Single Mode Compatibility Specially designed for reliable, long-distance, Ethernet connectivity between switches, servers,

Go4Fiber Ltd-One Stop Fiber Optic Superstore

Mode Field Adapter, 1x1, input fiber: HI1060, output fiber: SCF-UN-20/250-08
MFA-1-H60-S2025-1 Availability: Call for price

StarTech OM3 Multimode Fiber Optic Cable 1m 100G LC/UPC

100G Full Duplex OM3 multimode fiber optic cable, 1 meter length with LC/UPC connectors. Perfect for high-speed networking. Order today.

How Much Does Fiber Optic Cable Cost? 2025 Factory

Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2, OM3, and Armored cables directly from the Wolontek

Voodoo Cable Lightwave Fiber Optic Toslink Cable 1 meter

For sale is my 1 meter Voodoo Cable Lightwave Fiber Optic Cable in Excellent Cosmetic and Operational condition. I purchased it new last year. It will be shipped FedEx Home Delivery for a flat

Buy IT Solutions Eaton N318-30M InfiniBand/fibre optic cable 1181.1 ...

Eaton N318-30M InfiniBand/fibre optic cable 1181.1" (30 m) 2x LC 2x ST OFNR Black, Gray, Orange

Axiom InfiniBand Fibre Optic Cable 1 Meter High-Speed - TRINCOS

Axiom InfiniBand fibre optic cable, 1 meter, ensures high-speed data transmission for critical applications in data centers. Order today.

24 core multimode armored fiber optic cable

SDN Network Solution - Offering 24 core multimode armored fiber optic cable at ₹ 75/meter in New Delhi, Delhi. Read about company. Get contact details and address | ID: 2857497063730

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

