One-meter fiber optic connector

Overview

1M LC LC Multimode Fiber Patch Cables 1 Meter | OM3 Duplex Terminated with durable ceramic ferrule LC connectors, this high bandwidth 10Gig multimode cable.

Key Takeaways

One-meter fiber optic cables are available in multiple connector types and fiber modes, including LC, ST, and SC, suitable for high-speed data transmission in both singlemode and multimode networks.

Types of One-

Meter Fiber Optic Cables

Connector Types: LC to LC: Common for high-density applications, available in OM3 and OM4 multimode fibers with ceramic ferrules for low loss and high durability.

ST to S

T: Typically used in singlemode networks, featuring UPC (Ultra Physical Contact) polish for reduced back reflection.

S

C and other connectors: Available from manufacturers like Corning, offering factory-terminated cables for quick deployment. Fiber Modes: Multimode (OM3/OM4): Optimized for short-distance, high-speed networks (10Gb to 100Gb Ethernet), with aqua-colored jackets and 50/125 µm core/cladding. Singlemode (OS1/OS2): Designed for long-distance transmission with 9/125 µm core/cladding, typically yellow jacketed.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Jacket Types: PVC (Riser-rated): Suitable for general indoor use. Plenum (OFNP/OFNR): Fire-resistant, suitable for air-handling spaces, often used in commercial or institutional installations.

Performance and Applications

Bandwidth: OM4 multimode cables support up to 100Gb Ethernet over short distances, with modal bandwidths of 3500–4700 MHz·km at 850/1300 nm. Durability: Ceramic ferrule connectors ensure low insertion loss and high reliability. Applications: Education, corporate networks, healthcare, government, military, and data centers.

Purchasing Options

Mouser Electronics: Offers 1-meter fiber optic cable assemblies with datasheets and inventory details. FiberCablesDirect and Amazon: Provide OM3/OM4 LC to LC cables, plenum-rated options, and multi-packs for high-speed network setups. L-com: Supplies ST to ST singlemode cables ready for immediate deployment.

One-meter fiber optic cables are ideal for connecting network equipment in racks, patch panels, or short-distance links where precise, low-loss connections are required. Selecting the correct fiber mode, connector type, and jacket rating ensures optimal performance and compliance with network standards.

Article Content

1M LC LC Multimode Fiber Patch Cables 1 Meter | OM3 Duplex

Terminated with durable ceramic ferrule LC connectors, this high bandwidth 10Gig multimode cable has Corning optical fiber glass for high speed, low loss, fibre network transmission.

1M LC LC Multimode Fiber Patch Cables 1 Meter | OM4 Duplex

Assembled with ceramic ferrule LC duplex connectors and Corning 50/125um laser optimized multimode fiber core/cladding, 100Gbps rated fiber optic jumpers. A high performance cable wrapped in an

1 meter Single-mode patch cord G657A2 with SC/APC connectors

The fiber optic patch cord with SC/APC connectors on both ends of the cable and LSZH halogen free cover. This hose allows the transmission of an optical signal from one device to another separated by

1M Fiber Cable

These connectors utilize a UPC (Ultra Physical Contact) polish which provides a better surface finish with less back reflection. With the OM4 cables, you can use

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Singlemode Fiber Optic Pigtail Without Case 1mm

1 meter Singlemode Single-mode Fiber Optic Pigtail with SC / PC connector on one end and the other side for fiber splicing. For interior installation.

Fiber Optic Cables | Fiber Patch Cables | Patch Cords,

Fiber Patch Cables, Multimode & Singlemode Duplex Fiber Optic Cables, Secure Order Fiber Patch Cords, Preferred Mil. Edu. Gov. Pricing, Same Day Shipping

Panduit FX2ERLNLNSNM002 OM3 2 Fiber 1.6mm Jacket Patchcord

Panduit Opti-Core Series - 2 Fiber OM3 LC Duplex to LC Duplex | Fiber Optic Patch Cords and Pigtails:Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications

Online Bulk Cable Company | CableWholesale

As a premier online bulk cable company, CableWholesale carries a large inventory of computer cables, USB, HDMI, fiber optic, VGA cables, and more. Shop now!

The FOA Reference For Fiber Optics

These are just good 1-2 meter long fiber optic patchcords that match the fiber size and connectors of the cables being tested. The reference cables do not have to be special cables, just ones that have been

The FOA Reference For Fiber Optics

The fiber optic power meter used for insertion loss testing should be calibrated at the wavelength of the test source being used. The meter should have a connector adapter compatible with the connectors

The FOA Reference For Fiber Optics

Typically both transmitters and receivers have receptacles for fiber optic connectors, so measuring the power of a transmitter is done by attaching a test cable to the source and measuring the power at the

Fiber Optic Products Supplier & Manufacturer

Our optical communication connectivity products designed to help you enable your communication networks. All the products are rigorously tested for performance and reliability, ensuring that every

Internet Speed test

Check your connection speed in 30 seconds from locations worldwide. Find out your download, upload and response speeds with Meter ''s internet speed test.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

PDF document

PDF document PDF document Read this PDF document online, download the original file, and browse related details on device.report. Additional coding instructions can be found in the Article File chapter

Fiber testers : Equipment and tools | Fluke Networks

Technicians use various tools to install, maintain, and troubleshoot fiber cabling: detection and verification testers, certification testers, inspection cameras, cleaning supplies, certification testers,

The FOA Reference For Fiber Optics

One of the most common uses for an OTDR is testing an installed fiber optic cable plant. To do this properly, one needs to use both a launch cable and a receive cable to include tests for the

LC vs SC vs FC vs ST: A Complete Fiber Optic Connector Guide

Compare LC, SC, FC & ST fiber-optic connectors — size, coupling, and ideal use cases — to help you choose the best fit for your network setup.

Fiber Optic Color Code: The Ultimate TIA-598-C Guide (2026)

Master the TIA-598-C fiber optic color code standard. Read our complete guide and use our free interactive calculator to easily identify 1-144 core cables.

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved