Multimode fiber optic composite cable

SUPPORTS

DIN RAIL INSTALLATION

Overview

Multimode fiber is categorized by OM (Optical Multimode) designations, defined by the ISO/IEC 11801 standard., 100BASE-FX), older office. Multimode Fiber (MMF) has a core diameter, typically 50–100 micrometers, has ability to transfer multiple modes of light through the fiber core, uses lower-cost electronics (LED, VCSEL) operates at the 850 nm and 1300 nm wavelength and is used for short distance interconnections (up to 550m). Single mode fiber optic cable is made up of a small diameter glass or plastic core surrounded by cladding, which is a layer of reflective material. This small diameter core, typically around 9 microns in diameter, allows only one mode of light to pass through, resulting in a narrower beam of light. Multimode fiber (MMF) is an optical fiber designed to carry multiple light propagation paths—or modes—simultaneously. This is made possible by its relatively large core diameter, typically 50 or 62. 5 microns, compared to the ~9-micron core in single-mode fiber. We supply high quality hybrid cable and composite fiber cable to integrate all of your wiring needs for different applications based in common locations. 100% end-face, 3D interferometer, IL&RL tested.

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

Article Content

Fiber Optic Cable Types Explained

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables, as well as the various fiber wavelengths and standard core sizes used

Everything You Need to Know About Multimode Fiber Cable

Explore multimode fiber optic cables for enterprise, campus, and data center networks. Learn about OM1–OM5 types, transmission ranges, installation tips, and cost-effective high-speed

Hybrid Fiber Optic Cable & Composite Fiber Optic Cables For Sale ...

Fiberinthebox can manufactur single-mode and multimode hybrid fiber cables and composite fiber cables with any length. We supply high quality hybrid cable and composite fiber cable to integrate all

OM4 Multimode Fiber Optic Cables for 40G/100G

Get OM4 multimode fiber optic cables 50/125 with bend insensitive fiber design that support 40G/100G cabling. 100% end-face, 3D interferometer, IL&RL tested.

Multi-mode optical fiber

Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a campus. Multi-mode links can

Multimode vs Single Mode Fiber Optic Cables: A Complete Guide to

Learn the differences between multimode (OM1-OM5) and single mode (OS1-OS2) fiber optic cables—speed, distance, applications, and how to choose the right one for data centers and

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

Identified by ISO 11801 standard, multimode fiber optic cables can be classified into OM1 fiber, OM2 fiber, OM3 fiber, OM4 fiber and newly released

Fiber Optic Cable Types | Omnitron Systems Guide

Explore fiber optic cable types, features, and applications. Omnitron Systems explains single-mode, multi-mode, and specialty fiber solutions.

Single Mode vs. Multimode Fiber Optic Cables

There are two main types of fiber optic cables: single mode and multimode. Although they can do the same job in some instances, the different

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

Fiber Optic Cable

Explore our Fiber Optic Cable collection, featuring main products like Optical Splitter, Fiber Patch Cord, and 695+ more items from Hai''an Huijue Network Communication Equipment Co., Ltd. on Alibaba .

Multimode Fiber Optic Patch Cables

In addition to our stocked multimode patch cables, we offer a custom fiber optic patch cable service with many options eligible for same-day shipment. Please contact Tech Support for assistance selecting

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire-rated indoor fiber cables.

OS1, OS2 vs OM1-OM5 Fiber Cables: Differences, Speeds, and

Explore the differences between OS1, OS2 (single-mode) and OM1, OM2, OM3, OM4, OM5 (multimode) fibers. Learn their speeds, distances, and ideal uses for data centers and telecom

OM1 vs OM2 vs OM3 vs OM4 vs OM5 Multimode Fiber Guide | EDGE Optical ...

Compare OM1, OM2, OM3, OM4, and OM5 multimode fiber specs, distances, bandwidth, and applications. Essential guide for data center fiber selection.

Fiber Optic Cable Types | Omnitron Systems Guide

Conclusion Understanding fiber optic cable types, fiber core sizes, and proper installation methods is essential for building high-speed, reliable fiber networks.

Top US Fiber Optic Cable Manufacturers & Best Global

Looking for top fiber optic companies in the USA? We review leaders like Corning & AFL, and compare them with global OEM alternatives for AI data

EF-OM3R-6DIST-AQ

Price (USD): $512.95 Login/Register to Buy Now Categories: Bulk Fiber – Multimode, Copper / Fiber Composite, Copper Bulk Cables, EasyFiber OM3 Riser OFNR, Fiber Optic Solutions, Structured /

EF-OM3P-2DIST-BK

Price (USD): $262.95 Login/Register to Buy Now Categories: Bulk Fiber – Multimode, Copper / Fiber Composite, Copper Bulk Cables, EasyFiber OM3 Plenum OFNP, Fiber Optic Solutions, Structured /

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

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