

Commonly Used Multimode Fiber Classification



AI Overview

The types of multimode fiber classified by the ISO 11801 standard include:

- OM1: 62.5 μm core size, suitable for short distances.
- OM2: 50 μm core size, supports higher bandwidth than OM1.
- OM3: 50 μm core size, optimized for 10 Gb/s Ethernet over distances up to 300 meters.
- OM4: 50 μm core size, supports 100 Gb/s Ethernet over distances up to 150 meters.
- OM5: 50 μm core size, designed for wideband multimode applications, supporting multiple wavelengths .

These multimode fibers are commonly used in various networking applications, with OM3, OM4, and OM5 being the most prevalent in modern installations .



Article Content

Mar 04, 2026

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,

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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

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Multimode Fiber Types Introduction and Application

Practical Difference Multimode fibers are able to transmit different distance ranges at various data rate. You can choose the most

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Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4 vs OM5

There are several types of multimode fibers classified by the ISO 11801 standard, including OM1, OM2, OM3, OM4,

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OM1 vs OM2 vs OM3 vs OM4 vs OM5 Multimode Fiber Guide

Compare OM1, OM2, OM3, OM4, and OM5 multimode fiber specs, distances, bandwidth, and applications. Essential

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Multimode Fiber: OM1 to OM5 – MapYourTech

Multimode fiber encompasses five primary classifications (OM1 through OM5), each with distinct specifications,

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Multimode Fibre Types: OM1 vs OM2 vs OM3 vs OM4 vs OM5

There are actually 5 types of multimode fibre cable: OM1, OM2, OM3, OM4, and OM5. These different OM types were

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A Guide to Multimode Fiber Types (OM1-OM5) - trueCABLE

Multimode fiber is also very commonly used in Data Centers. Multimode fiber typically has a 50µm (micron) core that

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Multimode Fibre Optics (MMF) | Comms InfoZone

Multimode fibre transmits digital signals using light. Multimode ISO classifications are OM1 through OM4, with OM3 as a

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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

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Understanding Fibre Optic Cable Types: Single-mode vs Multimode

Single-mode and Multimode fibre optic cables are crucial components in various applications, yet distinguishing

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OM1, OM2, OM3, OM4, OM5 Fibers: Key Differences Explained

Compare OM1, OM2, OM3, OM4, and OM5 multimode fibers. Learn bandwidth capabilities, distance limits, and

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Optical Fiber Types

Optical Fiber Types There are the 5 types of multimode fiber currently on the market. OM1 and OM2, the original 62.5 micron (µm)-

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A Guide to Multimode Fiber Types (OM1-OM5) - trueCABLE

OM1-OM5 multimode fiber standards, detailing their core sizes, jacket colors, transmission capabilities and more.

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Multimode Fiber Grades: A Look at OM1 through OM5

Multimode fiber (MMF) is commonly used in local area networks (LANs) due to its ability to transmit multiple light signals

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OM1 vs OM2 vs OM3 vs OM4 vs OM5: Understanding Multimode

With several types available—OM1, OM2, OM3, OM4, and OM5—each offering distinct performance characteristics,

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Single Mode vs. Multimode Fiber: Core Differences and Selection Guide

How do you choose between single mode and multimode fiber? Compare their differences in core size, light source,

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Single-Mode vs. Multi-Mode Fiber Optic Cables

A common use is short-distance audio/video and data transmission within LANs. Radio frequency broadband signals, like those used

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Multimode Fiber Types: OM1 vs. OM2 vs. OM3 vs. OM4 vs. OM5

Multimode fiber optic cables are widely used for short-range communication applications. Different generations of

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Multimode Fiber: OM1 vs OM2 vs OM3 vs OM4 vs OM5

This post provides a introduction to multimode fiber, mainly introduces OM1, OM2, OM3, OM4 and OM5 fibers and

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Singlemode vs Multimode Fiber Optic Cable

Therefore, multimode fiber is commonly used in short distance data transmission. Single

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Multimode Fiber Cable Types: OM1/OM2/OM3/OM4/OM5 Compared

Compare all five multimode fiber grades — OM1 through OM5 — with full specs, bandwidth, distance limits, and real

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Multimode Fiber Cabling Types: From OM1 to OM5

Multimode fiber cables have advanced over the years from OM1 to OM2, OM3, OM4 and now OM5. Click to learn how

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Multimode Fiber Differences: OM1 vs OM2 vs OM3 vs OM4 vs OM5

Multimode fibers OM1 through OM5 offer varying levels of performance, bandwidth, and transmission capabilities.

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Fiber Optic Cable Types: Single Mode vs. Multi-mode Fiber Cable

While single mode fiber frequently employs a laser or laser diodes to generate light that is injected into the cable. The

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Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

It also compares multimode fiber with single-mode fiber, describes the connector types

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Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

A complete guide to multimode fiber types OM1, OM2, OM3, OM4, and OM5. Compare

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