

# Has multimode fiber become obsolete



## Overview

Despite its diminished role in cutting-edge deployments, multimode fiber hasn't disappeared entirely: In these cases, multimode offers an easy, cost-effective solution without the need for single-mode lasers. Multimode fiber is designed to carry multiple light modes (or rays) simultaneously through a fiber core that is typically 50 or 62.5 microns in diameter—much wider than single-mode fiber. Advantages that made MMF attractive: Lower Cost Transceivers: Unlike single-mode, MMF can use cheaper LED or. It just seems incredibly stupid to put the time and labor to lay a line that may be outdated within 10 years. Single mode has near unlimited bandwidth multimode maxes out. With. As the world uses more video, data and voice over fiber, currently installed multimode fiber may not keep up with demands.



## Article Content

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### Obsolete Fiber Technology? Not in my Data Center!

What was once considered “high” bandwidth – multimode fiber – has been pushed to its bandwidth limits. However, multimode fiber has evolved, increasing its bandwidth capabilities. This evolutionary ...

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### Understanding Singlemode vs. Multimode Fiber: History

In this blog, we delve into the history of fiber optics, the key differences between singlemode and multimode fiber, and the latest trends shaping the future of this essential technology.

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### Is OM1 obsolete?

OM1 (Optical Multimode 1) fiber optic cabling is considered an older and less capable multimode fiber type compared to more recent generations. While it may not be entirely obsolete, its ...

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### New Life for Old Multimode Cabling Systems

As the world uses more video, data and voice over fiber, currently installed multimode fiber may not keep up with demands. The obvious way to solve this problem and achieve faster data speeds ...

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### Multi-mode optical fiber

Multi-mode fiber has a fairly large core diameter that enables multiple light modes to be propagated and limits the maximum length of a transmission link because of modal dispersion.

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### The future of multimode fiber | Lightwave

With the recent advancements in networking technology, such as Gigabit Ethernet and Fibre Channel, some users have questioned the long-term viability of multimode fiber (MMF) in fiber ...

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Why use multi-mode fiber, when you can use single-mode fiber?

For gigabit we pay on average around \$320 per multimode SFP and \$550 for single mode SFP. Now if you have a large building that needs to connect over 200 users to multiple networks along with ...

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Is OM1 Fiber Obsolete? Speed, Distance, Wavelength, Specs

OM1 is a multimode optical fiber designed for short-distance data transmission. It was widely used in the 1990s and early 2000s in enterprise networks and data centers. But technology ...

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Why is multimode still a thing? : r/FiberOptics

Fiber from the 70''s is still relevant for modern networks while OM1 is near useless. With the prices being nearly the same for both transceivers. Even if you only wanted 1GB connection you still have the ...

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What Happened to Multimode Fiber?

Today, multimode fiber still has a place in certain environments, but for new deployments that need longevity, future-proofing, and maximum distance, single-mode fiber is the preferred...

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