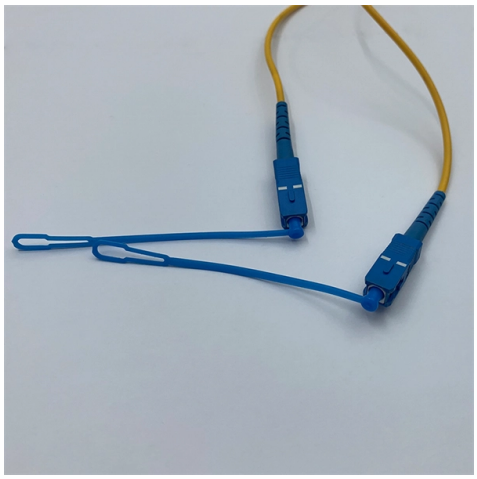
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Delivery time guaranteed polarization fiber optic OM4



Overview

Corning® ClearCurve® OM2, OM3, and OM4 Optical FibersBuilt on Corning's reliability and award-winning quality, ClearCurve OM2, OM3, and OM4 fibers are desi.

Key Takeaways

OM4 multimode fiber offers high bandwidth and extended reach, but guaranteed delivery times depend on supplier stock, custom specifications, and order volume.OM4 Fiber Overview

OM4 is a laser-optimized 50/125 µm multimode fiber designed for high-speed applications such as 10G, 25G, 40G, and 100G Ethernet. Compared to OM3, OM4 provides a higher modal bandwidth of 4700 MHz·km, lower attenuation (~3.0 dB/km), and longer transmission distances—up to 400 meters for 10G Ethernet and 150 meters for 40G Ethernet . It is widely used in data centers, enterprise networks, and high-performance computing environments . OM4 fibers are often ultra-bendable and laser-optimized, ensuring minimal signal loss even in tight cabling routes. They are available in spools up to 17.6 km and undergo rigorous testing for macrobending, tensile stress, and attenuation to meet TIA/EIA and IEC standards .

Factors Affecting Delivery Time
• Stock Availability: Standard OM4 fibers are typically stocked by major manufacturers like Corning and Leviton. Delivery times are shorter for standard lengths and pre-terminated cables.

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• Custom Orders: Polarization-maintaining or specially proof-tested fibers may require custom fabrication, which can extend lead times.

• Order Volume: Large orders or spools exceeding typical lengths may require additional production time.

• Supplier Location and Logistics: International shipping, customs, and regional distribution can affect delivery schedules.
Recommendations for Guaranteed Delivery
• Contact the supplier directly: For Corning, you can reach their Optical Fiber Customer Service Department to specify fiber type, attenuation, and quantity .

• Specify requirements clearly: Include polarization-maintaining needs, fiber length, and any enhanced proof testing.

• Plan for lead time: Even with stocked OM4 fibers, allow for 1–3 weeks for standard orders and longer for custom specifications.
Summary

OM4 multimode fiber provides high-performance, long-reach capabilities for modern optical networks. While technical specifications are standardized, delivery time guarantees are determined by the supplier, order complexity, and logistics. For precise delivery commitments, contacting the manufacturer or authorized distributor is essential .

Article Content

Corning® ClearCurve® OM2, OM3, and OM4 Optical Fibers

Built on Corning''s reliability and award-winning quality, ClearCurve OM2, OM3, and OM4 fibers are designed to withstand tight bends

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

Multimode OM4 50/125µm 10Gb Fiber Patch Cables | Shop

Explore our wide selection of OM4 50/125µm multimode 10Gb fiber patch cables for high-speed networks. Reliable performance and

Corning® ClearCurve® OM4 Optical Fiber

With superior bandwidth and backward compatibility with OM3 and OM2 systems, Corning® ClearCurve®

OM4 MM P

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The OM4 MM P is also a bend-insensitive fiber optic cable featuring a tight bend radius to minimize bending loss and simplify

OM4 LC to LC Custom Fiber Optic Patch Cable w/ Corning Glass

Fiber optic patch cables are the last critical link in connecting your network. Our QuickTreX® OM4 10/40/100 GIG patch cables

Fiber Optic Cable & Copper Wire Assemblies | ISO

LANshack offers premium fiber optic cable & copper wire assemblies. We have all the components to

Corning OM4 Fiber Cables

These Premium OM4 fiber optic cables are made with Corning optical fiber glass cables and with a 2.0mm outer LSZH (Low Smoke

6 Strand OM4 Fiber Optic Cable | Fiber By the Foot

6 Strand Indoor Plenum Rated Multimode 10/40/100 GIG OM4 50/125 Fiber Optic Cable by the Foot with Corning® Glass - Made in

OM4 Multi Mode Fiber Optic Cables |

OM4 multi-mode fiber optic cables for advanced network solutions. 20 years of expertise and global delivery by Fiber4u.

OM4 Fiber Optic Cables

Shop high-performance OM4 fiber optic cables at Dell for reliable and fast data transmission. Ideal for all your networking needs.

Bulk Multimode Fiber Optic Cables

Upgrade your network with our bulk Multimode fiber optic cable collection. Featuring OM4 multimode fiber

Plenum 24-Strand Corning Outdoor Fiber Cable, OM4

The Graded-Step core and cladding of our black bulk 50/125 indoor/outdoor fiber optic cable is constructed

24 Strand Indoor/Outdoor Plenum OM4 Fiber Optic Cable By The Foot

This fiber is suitable for indoor and outdoor use, so there is no 50 foot fire code requirement traditionally found with outdoor (OSP)

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CableWholesale 1000ft Black 6-Strand Fiber Optic Cable OM4

Buy CableWholesale 1000ft Black 6-Strand Fiber Optic Cable OM4 Multimode 50/125, Corning ClearCurve, Plenum Rated,

OM4 50/125 Multimode Fiber Optic Cable by the Foot

OM4 50/125 multimode fiber optic cable is designed for high-speed, high-bandwidth data transmission,

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OM4 LASER OPTIMIZED FIBER OPTIC PIGTAIL

OM4 fiber is also named in laser optimized multimode with data rate upto 10Gb at 850 wavelength for LED/VCSEL and 10G network

Custom 4 Strand Plenum Ultra Thin Micro Armored Multimode OM4 Fiber

A pre-terminated fiber optic assembly is a complete optical cable solution that comes with connectors already attached to the fiber

OM4 Multimode Fiber Optic Patch Cables

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Shop OM4 multimode fiber optic patch cables for high-speed data connectivity. Durable, reliable, and ideal for networking needs.

24 Fiber Indoor/Outdoor Fiber Optic Cable, Multimode 50/125, Corning ...

High-Capacity OM4 Technology: Equipped with Corning ClearCurve OM4 multimode fibers, offering a significant bandwidth increase

Bulk Multimode Fiber Optic Cables

Upgrade your network with our bulk Multimode fiber optic cable collection. Featuring OM4 multimode fiber and 10 Gb/s up to 550

Plenum 24-Strand Corning Outdoor Fiber Cable, OM4 1000ft

The Graded-Step core and cladding of our black bulk 50/125 indoor/outdoor fiber optic cable is constructed using a high quality

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OM4 Multimode | Black Box

Future-proof and color-code your network with OM4 cable in 12 colors.

OM4 Multimode Fiber Optic Cables

L-com offers a variety of OM4, 50/125 multimode fiber optic cables that are laser optimized for 100 Gigabit applications. Order now

OM3 vs OM4 Multimode Fiber: What''s the difference?

For OM3 and OM4 compatibility, OM4 fiber is completely backwards compatible with OM3 fiber since they have the

4-Fiber Ultra-Fox In/Out Distribution, Plenum 50/125 OM4 | Shop

This plenum distribution fiber cable is used in trunking, LAN and distribution applications where small size, lightweight, and versatile

What You Need to Know About OM4 Fiber Optic Cables

This write-up provides an extensive analysis of OM4 fiber optic cables by discussing their main features, uses, and

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