

Dutch long-distance optical cable OM4



Overview

With OM4, you can transmit data at 10Gbps for up to 550m or even get 40Gbps, and 100Gbps links supported up to 150m. This, therefore, makes it perfect for use in high-performance computing environments and data centers where fast operation is a must-have alongside reliability. Identified by its distinctive aqua jacket, OM4 fiber offers increased bandwidth, supporting data speeds of 10 Gbps, 40 Gbps, and even 100 Gbps over. Prysmian Group's multimode optical fibres for the Datacom, enterprises and premises cable industries are based on our Plasma-Activated Chemical Vapour Deposition Process (PCVD), acknowledged worldwide as offering the best core-profile accuracy in multimode fibres. The result is a complete portfolio. Pricing (EUR) Filter the results in the table by unit price based on your quantity. FS offers OM4 multimode fibre patch leads & cables 50/125 with bend insensitive fibre design that support 40G/100G cablings. 100% end-face, 3D interferometer, IL&RL tested. This comprehensive guide explores Multimode Fiber Cable Types, covering technical specifications, deployment scenarios, and best.



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

Fiber Patch Cable Selection Guide 2026: How to Choose the Right

Which fiber patch cable fits your network? Compare OS2, OM3 & OM4 specs, match fiber to distance and speed, avoid costly mistakes. Expert guide for data centers.

How Far Can a Fiber Optic Cable Be Run? Distance Guide

Fiber optic cables can run up to 80 km without a repeater. Learn exact limits by cable type, application, and how to extend your network.

Optical Fibre | Prysmian

WideCap is a multimode system that delivers OM4 performance within the 850-950nm-wavelength window, providing a low-cost and power-efficient

OM4 Multimode Fiber FAQ: High-Speed Connectivity

While OM4 fiber is optimized for short-distance applications, its performance is excellent for distances commonly found in data centers. For

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 technical breakthroughs that distinguish them from earlier versions.

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-world data center use cases. Learn which grade fits your

Best Direct Burial Fiber Optic Cable Solutions for Harsh Environments

The cable supports long-distance, high-speed networking with bend-insensitive OM3/OM4 fibers, delivering strong performance for enterprise campuses, data centers with outdoor spans, or

Fiber Optic Cable Types: A Complete Guide

The plethora of fiber optic cable types can seem overwhelming, but choosing the right cable for the job is important. Read on to learn what fiber optic

Multimode glasvezel afstand – OM3 vs OM4 uitgelegd

Deze kabel is ontworpen voor hoogwaardige datacenterverbindingen waarbij betrouwbaar 10 Gbps tot 100 Gbps over een afstand van 60 meter nodig is. De kabel is voorzien van

Fiber Optic Cable by the Foot

We offer fiber optic cable by the foot in a variety of fiber types and strand counts to meet your network installation needs. Whether you're building a new system or

OM4 Multimode Fibre Optic Patch Leads for 40G/100G

FS offers OM4 multimode fibre patch leads & cables 50/125 with bend insensitive fibre design that support 40G/100G cablings. 100% end-face, 3D interferometer,

400G Optical Modules Explained: SR4 Vs. DR4 Vs. FR4 Vs. LR4

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers to optimize your data center network.

OM4 patchkabels

De 4e generatie van de optical multimode kabel is voorzien van een veel helderder glasvezel dan de vorige generaties. Daarom is OM4 glasvezelkabel weer beter geschikt om data met hogere

A Practical Guide to Choosing Outdoor Fiber Optic Cables

Discover the best outdoor fiber optic cables for your network needs. Learn about different cable types, including loose tube, aerial, and armored

OM4 Fiber Optic Cable 9m SC to LC High-Speed Network Connection

Enhance your network connectivity with the OM4 Fiber Optic Cable. This 9-meter cable provides a reliable high-speed connection ideal for data centers and professional networking environments.

Fibre Optic Cable

What are the Types of Fibre Optic Cable? Single-Mode Fibre (SMF): Single-mode fibre is used for long-distance, high-bandwidth applications. It has a smaller core and transmits data using a single mode

OM2, OM3, OM4 vs. OM5 | How to Choose the Right Fiber Optic Cable

The result is a longer reach at the same speeds. A 10G link can extend more than half a kilometer, which covers most campus buildings. For aggregation, OM4 stretches 40G and 100G links

Complete Guide to Fiber Optic Cables for Data Centers

Everything you need to know about fiber optic cables for data center deployments. Covers OS2, OM3, OM4, OM5 cable types, LC/SC/MPO connectors, and

4Cabling 10M LC-LC Om4 Multimode Fibre Optic Cable: Blue

Fibre Optic cables need less amplification to boost signals so they travel better over longer distances. 4Cabling 's OM4 laser optimised multimode fibre optic patch leads provide the connection from

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 construction methods make each of them better

OM4 Multimode Cables

OM4 Multimode Cables OM4 is a high performance multimode fiber type that stands for “Optical Multimode 4”. Similar to OM3, OM4 is used for data transmission

Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

Applications of OM4 and OM5 Fiber Cables · TTI Fiber Blog

OM4 cables offer excellent performance for applications requiring high bandwidth and longer reach within multimode limitations. They are widely used in data centers, enterprise networks,

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Multimode Fiber Distance — OM3, OM4 Max Distance

This guide covers the actual distance limits for OM3 and OM4 multimode fiber at every common data rate, what determines those limits, and

Contact Us

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