

How to check if the fiber optic cable is OM3 or OM4



Overview

The OM3 notation indicates that this cable is multimode grade OM3. On other cables, you might see codes like this incorporating -OM2, -OM4, or -OS2, which also correspond to the grade of optical glass. They have many things in common such as the fiber connectors and application scenarios, making them confusing to users. In the two tables above, we've summarized the main differences between OM1, OM2, OM3, OM4, and OM5. These differences include the maximum distance and speed. OM1 is not compatible with connectors for OM2/OM3/OM4) However: Per TIA 598-C, it is permissible to use different jacket colors as long as the cable is identified in the print legend. Please check the print legend or contact the manufacturer before trying to make a positive ID! Even if you have. Fiber optic cables are crucial for high-speed data transmission, and identifying them correctly is essential for maintenance, troubleshooting, and system upgrades. Check the Jacket Color Fiber optic cables often. Watch the video to learn how to quickly identify OM1, OM3, OM4, OM5, and singlemode fiber by jacket color and understand what each color represents before selecting your next Pre-Terminated Fiber Optic Assembly. Q1: What do OM1, OM3, OM4, OM5, and singlemode fiber colors mean?

Orange typically. How Many Types of Multimode Fiber?

Identified by ISO 11801 standard, multimode fiber optic cables can be classified into OM1 fiber, OM2 fiber, OM3 fiber, OM4 fiber and newly released OM5 fiber.

Article Content

Nov 19, 2025

Fiber Optic Cable OM3 vs. OM4: Speed, Distance, and Differences

When comparing fiber optic cable OM3 vs. OM4, the most important technical differences relate to modal bandwidth,

Apr 21, 2026

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

A complete guide to multimode fiber types: from OM1 to OM5, covering modal dispersion, bandwidth limits, cabling design, and

Aug 22, 2025

How do I identify a fiber cable?

Identifying a Fiber CableFiber optic cables are crucial for high-speed data transmission, and identifying them correctly is essential for

Jun 23, 2026

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

But it is not an easy way for technicians to identify OM3 and OM4 fiber optic cable, especially when staring at the front

May 16, 2026

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

May 09, 2026

Fiber Type: Identifying Installed Fiber Optic Cables

These measurements are not the actual outer diameter of the cable; they correspond directly to the optical fiber itself. This notation

May 14, 2026

Recognizing Multimode Fiber Types by Color

However, there are some early OM2 cable installed that is orange, so always check the markings to make sure. OM3/OM4 Both

Apr 03, 2026

OM3 vs OM4 Fibre: Key Differences & Which One You

Discover the difference between OM3 vs OM4 fibre cables. Compare speed, compatibility, use cases, and

Oct 14, 2025

OS2 vs OM1 OM2 OM3 OM4 OM5 Fiber Cable Differences

Understand OS2, OM1, OM2, OM3, OM4, OM5 fiber optic cable types and their applications in networking systems.

Dec 12, 2025

OS1 vs OS2, OM3 vs OM4 vs OM5 – Fiber Optic Cable Differences

Discover the key differences between OS1 and OS2 singlemode fibers, and OM3, OM4, OM5 multimode cables. Learn

May 24, 2026

Cable Testing 101: What is the Difference Between OM3 and OM4?

The main difference between OM3 and OM4 multimode fiber is in the internal construction of the cable's fiber core. For

Jan 11, 2026

OM3 vs OM4 Fiber Optic Cables: Key Differences Explained

OM3 vs OM4 fiber optic cables explained. Compare performance, distances, and key differences for your network setup.

Apr 22, 2026

Cable Testing 101: Considerations for Mixing Multimode Fiber Types

In our last Cable Testing 101 series, we covered the difference between OM3 and OM4 50µm multimode fiber --

Dec 10, 2025

Understanding OM3 Multimode Fiber: Advanced Guide on Fiber Optic Cables ...

In the swiftly moving world of fiber optic technology, OM3 multimode fiber is essential for high-speed data

Apr 07, 2026

What does OS1, OS2, OM1, OM2, OM3 and OM4 mean? | Proterial Cable ...

ISO/IEC 11801 fiber optic labels: OS for singlemode, OM for multimode. OM1-OM4 & OS1-OS2 vary by performance & material.

Jan 05, 2026

The complete guide to OM1, OM2, OM3 and OM4 patch cord

There are two different kinds of optical fiber cables, single mode and multimode. There also are four types of

Mar 08, 2026

Fiber OS1 OS2 OM3 OM4 OM5: Practical Network Cabling Guide

The difference is cable construction and attenuation specification. OS2's lower attenuation (0.4 dB/km vs 1.0 dB/km) and loose-tube

Aug 16, 2025

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.

Feb 27, 2026

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

Introduction Fiber optic cables are the backbone of modern telecommunications infrastructure, enabling high-speed

Dec 14, 2025

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

Aug 07, 2025

Fiber Optic Cable OM3 vs. OM4: Speed, Distance, and Differences

Compare OM3 vs OM4 multimode fiber: modal bandwidth, real-world distances for 10G/40G/100G, cost tradeoffs,

May 10, 2026

How do I identify a fiber cable?

Correctly identifying a fiber optic cable is essential for ensuring the right application and maintaining optimal performance. These

Nov 03, 2025

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,

Sep 14, 2025

Fiber Color Codes Explained: OM1, OM3, OM4, OM5 & Singlemode

Watch the video to learn how to quickly identify OM1, OM3, OM4, OM5, and singlemode fiber by jacket color and understand what

Aug 28, 2025

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

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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

