

150 meters of 10 Gigabit optical cable

Article Overview

A 150-meter 10 Gigabit optical fiber cable is available in OM3 or OM4 multimode, duplex configuration, and supports high-speed data transmission up to 10 Gbps over LAN distances.

Cable Types and Performance

- o OM3 Multimode Fiber: Supports 10 Gigabit Ethernet up to 300 meters and 40 Gigabit up to 100 meters. It uses a 50/125-micron core and is laser-optimized for high-speed data transfer .
- o OM4 Multimode Fiber: Enhanced version of OM3, designed for 10 Gigabit Ethernet at LAN speeds with improved bandwidth and lower attenuation, suitable for 150-meter runs .

Connector Types and Duplex Configuration

- o LC, SC, or FC Connectors: Cables are available terminated with LC, SC, or FC connectors depending on network equipment compatibility .
- o Duplex Configuration: Two parallel fibers allow simultaneous bidirectional communication, optimizing network efficiency .

Jacket and Rating

- o Plenum or Riser Rated: Plenum-rated cables are suitable for air-handling spaces, while OFNR (riser) or LSZH jackets are available for other installations .
- o Durability: Factory-tested for insertion and return loss to ensure reliable performance and minimal signal degradation .

Applications

- o Enterprise Networks and Data Centers: High-speed backbone connections, server farms, and storage networks .
- o Telecommunications: Reliable transmission for internet, cable, and phone services .
- o Industrial and Healthcare: Imaging devices, R&D labs, and high-throughput data applications .

Summary

A 150-meter 10 Gigabit optical fiber cable provides a cost-effective, low-loss, and interference-resistant solution for high-speed networking. Choosing between OM3 or OM4, selecting the appropriate connector type, and ensuring the correct jacket rating will ensure optimal performance for your specific deployment .



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Each cable is factory tested for insertion and return loss to ensure maximum performance and reliability. They are available in

150 Meter Length - Plenum rated FC-SC Duplex 2 strand Fiber Optic Cable.

OM4 Multimode Cables are high-performance optical fiber cables with a 50µm core, supporting up to 400 meters at 10 Gbps and 150

Fibers that meet this designation provide sufficient bandwidth to support 10 Gigabit Ethernet up to 300 meters. Optical fiber

10 Gigabit Ethernet (10GE, 10GbE, or 10 GigE) is a group of computer networking technologies for

With the global fiber optic cable market valued at \$13.92 billion and growing at 10.46% annually, choosing from the

Buy 10-Gigabit (10G) Ethernet Network Cables & Modules for your AI/datacenter network build-outs factory

But for comparative purposes as a single signal, OM5 fiber can support 10 Gigabit ethernet up to 550 meters and it can also support

Coaxial cables, typically used for video and audio signals, can also be employed for Gigabit Ethernet. However, their

Single Mode Pre-terminated Fiber Optic Cable Pre-made cable, no need for field termination, plug and

Our Aqua jacketed 150 meter (~492 feet) 10 gigabit rated fiber optic cable is terminated with LC (Lucent Connector) connectors on

150M LC to LC Multimode Duplex 10 Gigabit 10gb Fiber Optic Cable (50/125) 150 Meter Aqua Brand: Ultra

Buy 50M LC-LC Multimode Duplex 10 Gigabit 10gb Fiber Optic Cable (50/125) Aqua 50 Meter: Optical - Amazon.com FREE

How Many Types of Multimode Fiber? Identified by ISO 11801 standard, multimode fiber optic cables can be classified

0.2m (4Pack) LC to LC Duplex OM3 Multimode Fiber Patch Cable (50/125), 10G Gigabit Fiber Optic



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Amazon.com: 150 Meter OM3 10 Gigabit Multimode Duplex Fiber Optic Cable (50/125) - SC to SC - Aqua : Electronics Features

Web: <https://bssoda.pl>

