

How much does a meter of multimode 24-core optical fiber cable cost

Article Overview

The price of a 24-core multimode optical fiber cable ranges from approximately \$0.10 to \$3.00 per meter, or \$1760 to \$2600 for a 1000-foot spool, depending on specifications and vendor.

Pricing Overview

- o Bulk 1000-foot spools (OM4, indoor/outdoor, 50/125 um): Prices typically range from \$1,760 to \$2,625 per spool, depending on brand and features such as plenum rating, riser rating, or armored construction (CableWholesale, Walmart, CableWholesale Amazon listings) .
- o Per meter pricing: Standard multimode 24-core cables cost \$1.20 to \$3.00 per meter, while single-mode variants are slightly higher, around \$1.50 to \$3.50 per meter (OWIRE) .
- o Low-cost wholesale options: Some suppliers on Alibaba offer 24-core multimode cables starting at \$0.10 per meter, typically for large-volume or bulk orders with minimum purchase requirements .

Factors Affecting Price

- o Fiber Type: OM4 multimode fibers are optimized for high-speed short-range applications and are generally less expensive than single-mode fibers designed for long-distance transmission .
- o Cable Construction: Indoor tight-buffered cables are cheaper, while armored, loose-tube, or outdoor-rated cables with UV-resistant or flame-retardant jackets cost more .
- o Length and Bulk Orders: Longer spools or bulk purchases often reduce the per-meter cost. Quantity discounts are common for orders of 5, 10, or more spools .
- o Standards and Ratings: Plenum-rated (CMP) or riser-rated (CMR) cables, as well as LSZH jackets, add to the cost due to compliance with fire safety and environmental standards .
- o Brand and Quality: Premium brands like Corning or OWIRE offer higher reliability and performance, which can justify higher prices compared to generic or low-cost suppliers .

Practical Considerations

- o For data centers or enterprise networks, investing in OM4 multimode cables with plenum or riser ratings ensures compliance and long-term reliability.
- o For telecommunications or outdoor projects, armored or loose-tube cables may be necessary, increasing the cost.
- o Always consider total cost of ownership, including installation, maintenance, and potential replacement, rather than just the upfront price. In summary, a 24-core multimode optical fiber cable can cost anywhere from \$0.10 per meter for low-cost bulk options to over \$2,600 for a 1000-foot premium OM4 spool, with the final price influenced by fiber type, construction, length, and vendor selection .



How much does a meter of multimode 24-core optical fiber cable cost

This guide compares multimode cable prices across OM1-OM5 and explains what really moves the number: fiber

The following comparison table shows average cable costs for various types of 24-fiber

How do you choose between single mode and multimode fiber? Compare their differences in core size, light source,

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2. How does the 24 strand multimode compare to higher strand counts? Higher strand counts offer more capacity but at the cost of

Fiber Optic Cable Buying Guide Understand how to choose fiber optic cable by comparing single-mode vs. multimode, network

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

This is a black 1000 foot spool of indoor/outdoor rated fiber optic distribution cable intended for large

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The multimode fiber optic cable itself is more expensive than single-mode, due to its thicker core and tighter

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables,

The pricing of a 24 core fiber optic cable per meter is not fixed and can vary significantly

24 Core Fiber Optic Cable GYTY53 Outdoor Armored Double Jacket Waterproof Gel Filled loose tube direct burial is used for direct

In fiber optic cabling, two primary types dominate the landscape: single-mode and multimode fiber cables. While both serve the

Despite these variables, average market prices for 24 core fibre optic cables typically range from \$0.50 to



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\$1.50 per

Buy fibre optic cable online. Singlemode and multimode cables in 4, 8, 12, 24, and 48 core at highly competitive prices. Cut to length

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