ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Price list for 24-core single-mode optical fiber cable



Overview

It is composed of 24 singlemode fibers (9 micron core) inside a water blocking Aramid yarn wrapped in a black PVC outer jacket.

Key Takeaways

A standard 24-core single-mode fiber optic cable typically costs between $1.50 and $3.50 per meter, depending on specifications and construction.

Price Range and Factors

The cost of a 24-core single-mode fiber optic cable varies based on several factors:

• Fiber Type: Single-mode fibers (SMF) are designed for long-distance transmission and generally cost more than multimode fibers due to precision manufacturing and superior performance .

• Cable Construction: Loose-tube outdoor cables, armored cables, and cables with specialized jackets (e.g., LSZH – Low Smoke Zero Halogen) are more expensive than indoor tight-buffered cables . Armored cables for rodent protection or direct burial can increase the price significantly.

• Materials: High-grade glass fibers with low attenuation, durable jackets, and strength members like aramid yarn contribute to higher costs . Premium brands like Corning may cost more but offer lower signal loss over long distances .

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• Length and Bulk Purchase: Prices per meter decrease slightly for longer runs or bulk orders, while pre-terminated assemblies add 20–30% to material costs but reduce installation labor .
Typical Pricing
• Standard single-mode 24-core cable: $1.50 to $3.50 per meter .

• Multimode 24-core cable: Slightly lower, around $1.20 to $3.00 per meter .

• Per foot conversion: Approximately $0.46 to $1.07 per foot for single-mode, depending on cable type and construction .
Additional Considerations
• Installation Costs: Outdoor or underground installation increases total project costs due to trenching, conduit, and labor. Indoor runs are generally less expensive .

• Future-Proofing: Investing in higher-quality single-mode cables with armored or loose-tube construction can reduce long-term maintenance and replacement costs, especially for high-density or long-haul networks .

• Market Trends: Prices may fluctuate with raw material costs, technological advancements, and demand from FTTH, 5G, and cloud infrastructure projects .

In summary, for a 24-core single-mode optical fiber, expect to pay $1.50–$3.50 per meter, with the final cost influenced by cable construction, materials, and intended application. Choosing the right type depends on whether the installation is indoor, outdoor, armored, or pre-terminated.

Article Content

Plenum 24-Strand Corning Outdoor Fiber Optic Cable

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

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This cable design is available in both riser rated and plenum rated versions for

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Cost of Fiber Optic Cable: Pricing Guide (2026)

Key Takeaways Fiber-optic cable materials typically cost $1 to $6 per linear foot, depending

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We offer Multi - Mode Optical Fiber Cable in brands Such as Sterlite, Aksh, Paramount and others. The

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Single Mode Fiber Optic Cable Price Per Meter

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24 Strand Indoor Singlemode Fiber Optic Cable

It is suitable for all indoor applications where fiber optic cabling is needed. It utilizes 900µm Tight Buffers, Aramid yarn strength

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CableWholesale 24-Strand Fiber Optic Cable,

Designed for high-speed data transmission, this cable features singlemode fibers

Single Mode Fiber Optic Cable

Single Mode Fiber Optic Cable, 24-Fiber Single Mode Fiber Optic Cable, 24-Fiber, Indoor/Outdoor, Nominal Diameter: 0.67" (17mm),

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