

Price of Indoor Optical Fiber Cable



AI Overview

Indoor optical fiber cable typically costs between \$1 and \$6 per linear foot, depending on fiber type, strand count, and jacket specifications.

Cost Breakdown

Material Costs:

- Single-mode fiber (OS2): \$0.09 to \$1.52 per foot for standard indoor runs, with lower prices for bulk purchases and higher prices for premium glass or pre-terminated cables .
 - Multimode fiber (OM3/OM4): \$1.50 to \$6.00 per foot, reflecting wider cores and higher manufacturing standards .
 - Pre-terminated or patch cables: Typically 20-30% more expensive than raw cable due to factory termination, but they reduce on-site labor costs significantly .
 - Armored or LSZH jackets: Add to the cost, usually ranging from \$1.15 to \$6.50 per meter, providing extra protection for indoor environments where durability or fire safety is a concern .
- Installation Costs:
- Labor for indoor runs varies from \$0.60 to \$3.00 per foot depending on complexity, access, and termination requirements .
 - For a short indoor run (e.g., 500-1,000 feet), total project costs including cable, connectors, and labor typically range from \$1,500 to \$3,100 .
 - Larger commercial installations with multiple drops or backbone runs can range from \$15,000 to \$30,000 for 100-200 network drops .
- Factors Affecting Cost:
- Fiber type: Single-mode is cheaper per foot but requires more expensive equipment; multimode is costlier but easier for short-distance indoor networks

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Contact Us

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