

Article Overview

Indoor blue optical cables typically range from \$0.30 to \$1.00 per foot for multimode fiber, with single-mode options costing \$0.10 to \$0.50 per foot, depending on strand count and construction.

Pricing Overview

Indoor optical cables vary in price based on fiber type, strand count, construction, and rating. For multimode fibers (OM1 to OM5), prices generally range from \$0.30 to \$1.00 per foot, while single-mode fibers (OS1/OS2) cost \$0.10 to \$0.50 per foot for standard indoor cables . Higher strand counts, such as 12 or 24 fibers, increase the cost proportionally, with 24-strand cables reaching around \$1.00 per foot . Pre-terminated patch cables or assemblies with connectors are more expensive due to factory termination.

Factors Affecting Cost

- o Fiber Type: Single-mode fibers are optimized for long-distance transmission, while multimode fibers are suited for short- to medium-range indoor applications .
- o Cable Rating: Indoor riser-rated cables are less expensive than plenum-rated cables, which are designed for air-handling spaces and fire safety .
- o Construction: Armored cables or those with additional protective layers cost more but offer superior mechanical protection .
- o Connector Type: LC, SC, or ST connectors, and whether the cable is simplex or duplex, influence the final price .

Typical Applications

- o Single-mode fiber: Telecommunications backbones, campus networks, and long-distance enterprise links.
- o Multimode fiber: Data centers, LANs, schools, hospitals, and server rooms, typically up to 2 km depending on fiber grade .
- o Armored indoor cables: Environments requiring extra mechanical protection or high durability.

Example Price Points

- o 1-core FTTH drop cable: ~\$0.13 per foot
- o 12-strand multimode indoor cable: ~\$0.50 per foot
- o 24-strand multimode indoor cable: ~\$1.00 per foot
- o High-count backbone cables (288 fibers): Up to \$6 per foot For purchasing, suppliers like Mouser Electronics and Alibaba offer indoor fiber optic cables with datasheets and pricing details, including blue jacketed options suitable for indoor installations . By considering fiber type, strand count, and cable rating, you can select an indoor blue optical cable that balances performance and cost for your specific networking



Indoor Blue Optical Cable Price

needs.

Monoprice OM1 Fiber Optic Cable, LC/LC UPC, Duplex Multi-Mode 62.5/125 Type, UL, OFNR, Orange, 2m Because of its immunity

Explore detailed insights into fiber optic cable pricing, including cost factors, quality considerations, and long-term value benefits for

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Indoor Blue Optical Cable Price

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