

Price of Low-Voltage Fiber Optic Cables



AI Overview

Low-voltage fiber optic cables typically range from \$0.05 to \$6 per foot depending on fiber type, strand count, and construction, with pre-terminated assemblies costing more.

Typical Pricing

- Single-mode fiber (OS2): \$0.10 to \$0.50 per foot for standard indoor cables; outdoor or armored versions may cost \$0.30 to \$2.80 per meter depending on strand count and protection level.
- Multimode fiber (OM3/OM4): \$0.30 to \$1.50 per foot for standard indoor runs; high-performance or armored cables can reach \$6 per foot.
- Pre-terminated or patch cables: Factory-terminated assemblies are more expensive due to labor and connector type, often adding \$0.50 to \$2 per foot.
- Armored cables: Designed for harsh environments or direct burial, typically \$0.50 to \$5 per foot, depending on protection and fiber count.

Factors Affecting Cost

- Fiber Count:** Higher strand counts increase cost proportionally. For example, a 12-strand cable may cost \$0.50 per foot, while a 24-strand cable can reach \$1 per foot.
- Cable Construction:** Indoor riser-rated cables are cheaper than plenum-rated or outdoor UV-resistant cables. Armored or direct-burial cables add 20–50% to the base cost.
- Installation Method:** Labor for indoor runs is typically \$1–\$6 per foot, while complex installations, aerial runs, or underground trenching can increase costs to \$7–\$12 per foot.
- Volume and Lead Time:** Bulk purchases often reduce per-foot costs, and suppliers like Discount-Low-Voltage.com offer wholesale pricing and quantity discounts.

Example Estimates

- Basic indoor run: 1,000 ft single-mode cable, minimal termination: Cable \$0.40/ft, Labor \$1/ft, Accessories \$100–\$150. Total ≈ \$2,650–\$3,100.
- Mid-range outdoor run: 2,000 ft with conduit and 4 terminations: Cable \$0.70/ft, Labor \$1.60/ft, Accessories \$250–\$350. Total ≈ \$4,940–\$6,120.
- Premium project: 5,000 ft armored outdoor cable with multiple splices and professional testing: Cable \$1/ft, Labor \$3/ft, Accessories and permits \$1,600+. Total ≈ \$11,000–\$14,500.

Recommendations

For budget-conscious projects, consider sta...

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Wires and Cables Market Size, Segmentation

Key Report Takeaways By voltage, low-voltage cables led with 46.12% revenue share in 2025, while extra- and high-voltage segments are

Contact Us

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