

Fiber optic cable price is listed below



Overview

See if fiber internet is available in your area. Enter your zip code or address to see which fiber providers offer fiber service in your area.

Key Takeaways

Fiber optic cable costs range from \$0.09 to \$6 per foot depending on type, strand count, and installation requirements. Material Costs

- Single-mode fiber: Typically \$0.10 to \$0.50 per foot for the cable itself, making it cheaper per foot than multimode fiber but requiring more expensive equipment for operation .
- Multimode fiber: Usually \$0.30 to \$1.00 per foot, with higher strand counts increasing costs proportionally (e.g., a 12-strand cable $\approx$ \$0.50/ft, a 24-strand cable $\approx$ \$1.00/ft), .
- Bulk wholesale purchases: \$0.09 to \$1.52 per foot, while retail prices range from \$1 to \$6 per foot depending on fiber count, jacket type, and application .
- Specialty cables: Armored or direct-burial cables can cost \$0.50 to \$5 per foot, and pre-terminated patch cables are more expensive due to factory termination .

Installation Costs

- Indoor runs: Basic 1,000 ft single-mode installation with minimal termination can cost around \$2,650–\$3,100, including labor, permits, and accessories .
- Outdoor runs: A 2,000 ft outdoor run with conduit and multiple terminations may cost \$4,940–\$6,120, while premium 5,000 ft armored outdoor installations with splicing and professional testing can reach \$11,000–\$14,500 .

- Factors affecting installation: Labor for trenching, splicing, and termination; permits; delivery; and regional variations in labor and material costs .
Other Considerations
- Cable type: Indoor riser-rated cables are cheaper than plenum-rated cables; outdoor or armored cables are more expensive.
- Core material: Glass fiber cores offer higher performance but cost more than plastic optical fiber alternatives .
- Connector type: SC, LC, or APC connectors and simplex vs duplex configurations can influence the final price .
- Project scope: Larger projects with multiple buildings or high strand counts increase total costs, while short runs or home FTTH setups are relatively inexpensive . In summary, fiber optic cable pricing varies widely based on fiber type, strand count, cable construction, installation complexity, and regional factors, with material costs starting as low as \$0.09 per foot and full installation projects potentially exceeding \$14,000 for long, armored outdoor runs .

Article Content

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

