Complete Optical Cable Price List



Overview

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

Key Takeaways

Fiber optic cable prices in 2026 vary widely based on type, installation, and region, ranging from $0. 40/ft for basic indoor runs to $1. 00/ft or more for premium outdoor armored cables.

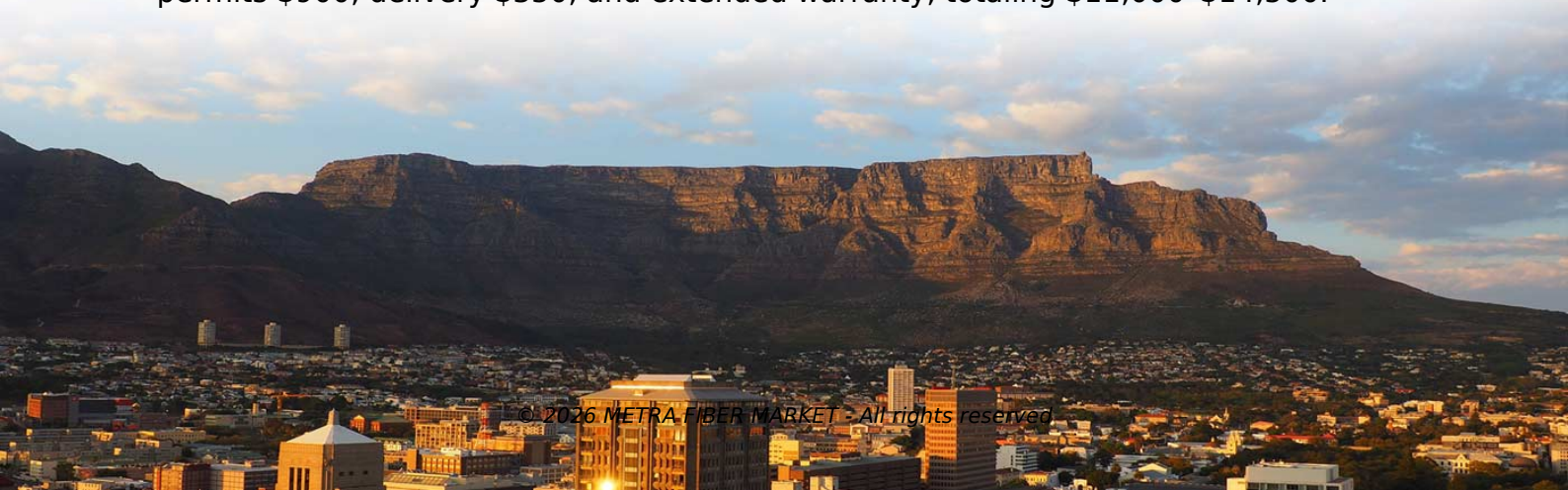
Typical Price Ranges

Basic Indoor Runs: For a 1,000 ft single-mode indoor cable with minimal termination, the cable cost is approximately $0. 40 per foot, with labor around $1. 00 per foot, permits $150, and accessories $100, totaling roughly $2,650–$3,100.

Mid-

Range Outdoor Runs: A 2,000 ft outdoor run with conduit and four terminations costs about $0. 70 per foot for cable, $1. 60 per foot for labor, permits $350, delivery $120, and accessories $250, totaling $4,940–$6,120.

Premium Outdoor Armored Runs: For a 5,000 ft outdoor armored cable with multiple splices and professional testing, cable cost is $1. 00 per foot, labor $3. 00 per foot, permits $900, delivery $350, and extended warranty, totaling $11,000–$14,500.



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Factors Affecting Price

Cable Type: Indoor vs. outdoor, single-mode vs. multi-mode, armored vs. non-armored, and pre-terminated vs. field-spliced cables significantly influence cost. Installation Complexity: Trenching, conduit, splicing, and termination labor can account for 60–80% of total project costs. Regional Variations: Urban areas may have higher labor and permit costs (+15–25%), while rural areas may have lower labor but higher delivery costs (±5–15%),.

Material Quality: LSZH (Low Smoke Zero Halogen) jackets and high-quality glass fibers increase upfront costs but improve safety and longevity. Market Trends: In China, single-mode G. 652D fiber prices surged from 18 RMB/km in January 2026 due to supply constraints, reflecting broader global market trends.

Practical Considerations

Bulk Orders: Purchasing reels instead of per-meter lengths can reduce unit costs significantly.

Pre-

Terminated Cables: Factory-polished, pre-terminated cables reduce field labor and troubleshooting costs, often saving up to 70% on installation labor. Project Planning: Include costs for patch panels, connectors, adapters, permits, and contingency to avoid budget overruns. Where to Check PricesCRU Group provides up-to-date price assessments for bare optical fiber across key regional markets.

Octopart lists distributor prices and datasheets for various fiber optic cables, useful for comparing product specifications and costs.

Latest

Cost and YF Connectivity offer practical cost guides and market trend insights for 2026. By considering these factors, you can estimate a realistic budget for your optical cable project and select the appropriate cable type and installation method for your needs.

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Optical cable pricing represents a crucial consideration in modern telecommunications infrastructure, reflecting the complex interplay of manufacturing technology, material costs, and market demand.

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