A comprehensive price list for optical fiber cables and fiberglass tapes

Overview

Main cost drivers include cable grade (indoor vs outdoor, armoured), distance, and labor for trenching, splicing, and termination.

Key Takeaways

Fiber optic cable prices range from $0. 09 to $6 per foot depending on type, strand count, and installation, while fiberglass tape costs vary by width, thickness, and material grade. Fiber Optic Cables Pricing1.

Material CostsSingle-mode fiber (OS2): $0. 09 to $1. 52 per foot depending on strand count and brand, with generic glass being cheaper and premium brands like Corning costing more for lower attenuation over long distances.

Multimode fiber (OM3/OM4): $1. 50 to $6 per foot, suitable for high-speed data centers and short-distance applications. Armored cables: $0.

50 to $6. 50 per foot, providing protection for outdoor or direct-burial installations. Bulk wholesale purchases: $0.

09 to $1. 52 per foot; retail prices for pre-terminated or patch cables can reach $6 per foot or more. 2.

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Installation and Labor Costs

Indoor runs: Labor typically $1. 00 per foot; basic 1,000 ft single-mode run totals around $2,650–$3,100 including cable, labor, permits, and accessories. Outdoor runs with conduit: Labor $1.

60 per foot; 2,000 ft mid-range project totals $4,940–$6,120. Premium outdoor installations: Armored cable, multiple splices, and professional testing can cost $11,000–$14,500 for 5,000 ft runs. 3.

Factors Affecting Cost

Fiber type and strand count: Higher strand counts increase cost proportionally (e.g., 12-strand ≈ $0. 50/ft, 24-strand ≈ $1. 00/ft),.

Cable construction: Plenum-rated, riser-rated, or LSZH jackets affect pricing. Connectors and pre-termination: Factory-terminated cables cost 20–30% more but reduce on-site labor. 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%),.

4. Bulk and Specialty OptionsTAA-certified, plenum, and riser-rated cables are available for commercial, military, and data center applications. Lead times for non-stock items are typically 3–4 weeks, with 24-hour prep for most cuts.

Fiberglass Tapes Pricing

While specific prices were not provided in the web results, fiberglass tapes are generally priced based on: Width and thickness: Narrower or thinner tapes cost less; wider or reinforced tapes cost more. Material grade: High-temperature or flame-retardant grades are more expensive. Roll length: Bulk rolls reduce per-foot cost.

Typical range: Standard fiberglass tapes can range from $0. 50 to $3 per foot for industrial-grade tapes, with specialty tapes (high-temperature, adhesive-backed) reaching $5–$10 per foot.

Summary

Fiber optic cables: $0. 09–$6 per foot for materials; total installed costs vary from $2,650 for small indoor runs to $14,500 for premium outdoor projects. Fiberglass tapes: $0.

50–$10 per foot depending on width, thickness, and specialty features. Cost drivers: Fiber type, strand count, cable construction, installation complexity, connectors, and regional labor/permit rates. For precise budgeting, it is recommended to request quotes from multiple suppliers and consider bulk discounts, pre-terminated assemblies, and installation services.

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