# Sample Price List for High-Speed Optical Cable Contracting



## 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

Contracting high-speed fiber optic cable typically costs between $0. 60 and $7 per foot, with total project costs ranging from a few thousand to over $14,000 depending on cable type, installation method, and project complexity.

### Material Costs

Fiber optic cable prices vary by type and specifications: Single-mode fiber: $0. 10–$0. 50 per meter for outdoor cable; cheaper per foot than multimode but requires precise splicing and equipment.

Multimode fiber (OM1/OM2/OM3/OM4/OM5): $0. 10–$0. 60 per meter; suitable for shorter runs and indoor applications.

Armored or direct-burial cable: $0. 30–$1. 00 per meter; adds protection for harsh environments.

Aerial/self-supporting cable: $0. 40–$1. 50 per meter; requires pole attachment and permits.

Bulk purchases reduce per-foot cost by ~20% compared to smaller reels.

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## Installation Costs

Installation is a major cost driver, influenced by method and labor: Open trench (lawn/field): $0. 90–$1. 80 per foot; fastest and lowest cost.

Directional boring (road crossings): $3. 00–$7. 00 per foot; avoids surface disruption.

Aerial installation: $1. 20–$2. 50 per foot; requires permits.

Indoor plenum/riser: $0. 80–$1. 70 per foot; includes fire-rated pathways.

Labor, splicing, termination, and testing dominate the installed cost.

## Project Examples

Basic indoor run (1,000 ft, single-mode): Cable $0. 40/ft, labor $1. 00/ft, permits $150, accessories $100; total ≈ $2,650–$3,100.

Mid-range outdoor run (2,000 ft, conduit, 4 terminations): Total ≈ $4,940–$6,120. Premium outdoor run (5,000 ft, armored cable, multiple splices, professional testing): Total ≈ $11,000–$14,500.

## Factors Affecting Cost

Fiber count and cable construction: More strands or armored construction increase cost. Jacket material and environmental rating: LSZH, UV-resistant, or flame-retardant jackets add 25–40% to cost. Distance and terrain: Longer runs, underground installation, or difficult terrain increase labor and equipment costs.

Regional labor and permit rates: Urban areas may be 12–25% higher than national averages; rural areas may be lower. Connector type and pre-termination: Factory-terminated cables cost more but reduce field labor.

## Summary

The cost to contract high-speed optical cable depends on cable type, installation method, distance, and project complexity. For small indoor projects, expect a few thousand dollars, while large outdoor or armored installations can exceed $14,000. Bulk purchases, careful planning, and choosing the appropriate fiber type can optimize costs and long-term performance.

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## Article Content

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*Please provide pricing to meet the following detailed Fiber splice, test and acceptance & documentation package requirements (High quality Splicing is of paramount importance):

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