



# Fiber Optic Cable Price List by Model

## Article Overview

Fiber optic cables range from \$0.09 to \$6 per foot depending on type, strand count, and application, with single-mode and multimode models available for various installations.

## Fiber Optic Cable Types

### Single-Mode Fiber (OS1/OS2)

- o Core diameter: 8-10 microns
  - o Best for long-distance communication (up to 40-100 km without amplification)
  - o OS1: Tight-buffered, indoor use
  - o OS2: Loose-tube, outdoor use
  - o Cost: \$0.10-\$0.50 per foot for cable material; higher for pre-terminated assemblies
- Multimode Fiber (OM1, OM2, OM3, OM4)
- o Core diameter: 50-62.5 microns
  - o Suitable for shorter distances (in-building, data centers, LANs)
  - o OM3/OM4: Standard for high-speed data center cabling
  - o Cost: \$0.30-\$1.00 per foot for cable material; pre-terminated assemblies cost more

### Price Ranges by Strand Count and Construction

| Fiber Type            | Strand Count                        | Typical Price per Foot | Notes             |
|-----------------------|-------------------------------------|------------------------|-------------------|
| Single-mode 1-core    | FTTH                                | \$0.13                 | Simple drop cable |
| Single-mode 12-strand | Indoor/outdoor backbone             | \$0.50                 |                   |
| Single-mode 24-strand | Higher capacity backbone            | \$1.00                 |                   |
| Multimode 12-strand   | OM3/OM4 for LAN                     | \$0.50                 |                   |
| Multimode 24-strand   | Data center                         | \$1.00                 |                   |
| Armored Any           | Direct burial or harsh environments | \$0.50-\$5.00          |                   |

### Installation Considerations

- o Underground installation is more expensive than aerial or indoor runs
- o Pre-terminated cables and patch cords increase cost due to factory termination
- o Jacket ratings (plenum, riser, outdoor) affect price and compliance

### Market Trends and Notes

- o Fiber optic prices surged in early 2026 due to supply constraints, with G.652D single-mode fiber in China rising from 18 RMB/km to significantly higher levels by March 2026
- o Bulk purchases reduce per-foot costs by 20-40% compared to retail
- o Major suppliers include Corning, CommScope, and Chinese manufacturers, with pricing often confidential for large contracts



# Fiber Optic Cable Price List by Model

## Where to Buy

- o DigiKey: Wide selection of single-mode and multimode cables, patch cords, and assemblies
  - o Octopart: Compare distributors, download datasheets, and check pricing
  - o Farnell Germany: Offers fast quotes, same-day dispatch, and technical support
- This overview provides a practical guide to fiber optic cable models, types, and current price ranges, helping you select the right cable for your network or data center project.

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BNET FIBER MM 1X6 G50/125 OM3 INDOOR/OUTDOOR DIELECTRIC FR-LSZH LOOSE TUBE CABLE

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Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2,

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

Hier sollte eine Beschreibung angezeigt werden, diese Seite l&#228;sst dies jedoch nicht zu.

Comprehensive analysis of FTTH cable pricing, including cost factors, advantages, and quality considerations for fiber optic network

High quality fiber optic cables from Corning, AFL, OCC, Mohawk and other leading manufacturers. Aerial, ADSS, armored,

Fiber Optic Cable Price List Cable Types Unit Price USD / MT. SM-9/125 Central tube steel armored external fiber optic cable

We offer fiber optic cable by the foot in a variety of fiber types and strand counts to meet your network

The following breakdown shows how costs accumulate for a fiber optic run. The table combines per-foot cable costs



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