

Fiber Optic Cable and Optical Fiber Prices



Article Overview

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

Material Costs

- Single-mode fiber (OS2): Typically costs \$0.09 to \$1.52 per foot (\$0.30-\$2.80 per meter) for bulk or retail purchases, suitable for long-distance and high-bandwidth applications .
- Multimode fiber (OM3/OM4): Costs range from \$0.50 to \$6 per foot (\$1.50-\$4.25 per meter), commonly used in data centers and LAN environments .
- Armored outdoor cables: Designed for harsh environments or direct burial, priced \$0.50 to \$5 per foot (\$1.15-\$6.50 per meter) depending on fiber count and protective layers .
- Patch cables and pre-terminated assemblies: Typically incur a 20-30% premium over standard cables due to factory termination and connector types .

Pricing by Fiber Count

- Low strand counts (e.g., 2-12 fibers) are cheaper, while high-density cables (24-288 fibers) increase costs proportionally. For example, a 12-fiber single-mode OSP cable may cost around \$0.88-\$0.91 per foot, whereas a 288-fiber armored cable can reach \$3.23-\$3.58 per foot .

Installation Costs

- Labor for installation typically ranges from \$1 to \$6 per foot, with complex installations reaching \$7-\$12 per foot .

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Optical fibre prices rise as preform availability tightens

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Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more

Fiber Optic Cable

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

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Fibre optic cable pricing: A Complete Guide

Generally, you will find Fibre optic cables at the price ranging from \$0.10 to \$1 per foot.

Contact Us

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