

Purchase prices of various optical cables



Article Overview

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

Price Ranges by Cable Type

- Single-mode fiber (OS1/OS2): Typically costs \$0.30 to \$2.80 per meter (\$0.09–\$0.85 per foot) for bulk orders, with prices increasing for higher fiber counts or premium glass brands . Single-mode is ideal for long-distance transmission and outdoor backbones.
- Multimode fiber (OM3/OM4): Costs \$1 to \$6 per foot, depending on core size, fiber count, and quality standards . Multimode is commonly used in data centers and enterprise LANs for shorter distances.
- Armored cables: Designed for protection against physical damage, these cables cost \$1.15 to \$6.50 per meter (\$0.35–\$2 per foot), with price influenced by steel tape armor and environmental conditions .
- Patch cables and pre-terminated assemblies: Factory-terminated cables with connectors are more expensive, with costs varying by connector type and fiber strand count .

Factors Affecting Costs

- Cable length and fiber count: Higher strand counts and longer runs increase material costs.
- Installation type: Underground or trenching installations are more expensive than aerial or indoor runs .
- Cable grade: Indoor, outdoor, or armored cables have different price points....

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