

Price of a standard single-mode 4-core optical fiber cable



Article Overview

A single-mode 4-core optical fiber cable typically costs between \$0.40 and \$1.00 USD per meter, depending on construction and environmental rating.

The price of a 4-core single-mode fiber optic cable varies based on several factors, including the quality of materials, jacket type, and whether the cable is armored or designed for outdoor use. Standard indoor cables with PVC or LSZH jackets are at the lower end of the range, while outdoor, UV-resistant, or armored cables can increase the cost by 20–50%. Bulk purchases often reduce the per-meter price, whereas pre-terminated cables with connectors like LC, SC, or FC carry a premium due to factory termination. Key factors affecting cost:

- Cable construction: Tight-buffered vs. loose-tube, armored vs. non-armored, indoor vs. outdoor.
- Jacket material: PVC or LSZH for indoor use; PE or UV-resistant jackets for outdoor deployment.
- Application: Direct burial, aerial, or duct installations may require additional protective features, increasing cost.
- Market conditions: Raw material prices, supply chain fluctuations, and regional demand can influence pricing. For practical budgeting, a single-mode 4-core cable for typical indoor or duct installations can be expected to cost around \$0.40–\$1.00 per meter, while specialized outdoor or armored versions may approach the higher end of this range. Keep in mind that associated hardware, such as transceivers and SFP modules, can significantly add to the total network deployment cost.

Article Content

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Recommendation ITU-T G.652 (08/2024)

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4-core armoured fiber optic cable – 4-core underground armoured singlemode fiber optic cable — direct burial for outdoor fiber

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How Much Does Fiber Optic Cable Cost? 2025 Factory Price Guide

On average, Single-mode (OS2) ranges from \$0.09 to \$1.52 per foot, while Multimode (OM3/OM4) can cost between \$1.50 and

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Cost of Fiber Optic Cable: Pricing Guide (2026)

Single-Mode Fiber Single mode fiber uses a small core diameter of 8-10 microns to transmit light over extremely long

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4-Core Outdoor Single Mode Fiber Optic Cable GYXTW

GYXTW is an outdoor use optical fiber cable suitable for duct and aerial applications.
We supply GYXTW

Contact Us

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