

How much does a meter of single-mode 4-core optical fiber cable cost



AI 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.



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48 Core Fiber Optic Cable GYTY53 Outdoor Armored

48 Core Fiber Optic Cable GYTY53 Outdoor Armored Double Jacket 48 Core Fiber Optic Cable GYTY53 Outdoor Armored Double Jacket Waterproof Gel Filled

The FOA Reference For Fiber Optics

Underground Cables Digging trenches to bury fiber optic duct and pulling cables into duct Underground cables are pulled in conduit that is buried underground,

Fiber Optic Cable Pricing Guide: Factors That Affect Cost ...

This guide outlines the major factors that influence fiber optic cable costs and provides practical tips for estimating pricing in bulk or project-based scenarios.

Contact Us

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