

Prices from Plastic Optical Cable Manufacturers



Overview

Engage in a comprehensive pricing comparison between custom and factory-direct options to ensure it's a cost-effective solution.

Key Takeaways

Plastic optical cables typically cost between \$0.3 and \$4 per meter, depending on specifications, fiber count, and application. Typical Pricing

Plastic optical cables (POF) are generally quoted based on length, fiber count, and material quality. For bulk orders, manufacturers often provide ex-factory prices ranging from \$0.3 to \$4 per meter (\$0.09 to \$1.52 per foot), with simple single-core drop cables at the lower end and specialized or high-performance cables at the higher end. Prices can vary significantly depending on whether the cable is intended for indoor, outdoor, or industrial applications, as outdoor cables require additional protective sheathing and UV-resistant materials.

Factors Affecting Quotes

- **Fiber Type and Count:** Single-mode fibers for long-distance transmission are more expensive than multimode fibers used for short distances.
- **Cable Length:** Buying longer reels (e.g., 10 km+) directly from manufacturers reduces the per-meter cost due to production efficiency.
- **Sheathing Material:** Options like PE, PVC, or LSZH affect durability and cost. Outdoor or armored cables are more expensive.

- **Performance Requirements:** Higher bandwidth, low attenuation, or specialized connectors increase the quote .
 - **Market Conditions:** Raw material prices, technological advancements, and demand fluctuations can influence manufacturer pricing .
- Additional Considerations**
- **Installation Costs:** While the cable itself may be affordable, connectors, termination hardware, and installation labor can add to the total project cost .
 - **Bulk Discounts:** Manufacturers often provide lower unit prices for large orders, which is common for ISPs or enterprise projects .
 - **Quality Assurance:** Choosing a reputable manufacturer ensures the cable meets ITU-T or UL standards, preventing premature failure . In summary, when requesting a quote from a plastic optical cable manufacturer, expect \$0.3–\$4 per meter as a baseline, with the final price influenced by fiber type, length, sheathing, and performance requirements. For precise budgeting, it is recommended to provide the manufacturer with a Bill of Materials (BOM) detailing your project specifications .

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Plastic Optical Fiber Cable (CC2-1000)

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Plastic Optical Fibers – Buyer's Guide & Suppliers

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Fiber Optical Cable Market Share and Forecast Report 2026-2030

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Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts

Fiber Optics Market Size Report 2024-2029 [234 Pages & 191 Tables]

The ecosystem includes manufacturers of optical fibers that supply the core transmission medium, along with cable manufacturers

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