

RIVO MULTITRADE OPTICAL SYSTEMS

Price of super thick optical cable



Overview

Amazon.com: Optical Cable Find reliable Toslink fiber optic cables for your home audio setup. Available in multiple lengths with corrosion-resistant connect.

Key Takeaways

Super thick or high-strand-count optical cables can cost up to \$6 per foot, with armored or specialized variants potentially costing more depending on fiber count and construction.

The cost of fiber optic cables varies widely based on fiber count, cable type, armoring, and application. Standard single-mode cables typically range from \$0.10 to \$0.50 per foot, while multimode cables cost \$0.30 to \$1.00 per foot. High-strand-count cables, such as a 288-fiber backbone cable, can reach \$6 per foot or more due to the increased material and manufacturing complexity. Armored cables designed for harsh environments or direct burial applications range from \$0.50 to \$5 per foot.

Factors Affecting Cost

- **Fiber Count:** More strands increase cost proportionally. For example, a 12-strand cable costs around \$0.50 per foot, while a 24-strand cable can reach \$1.00 per foot.
- **Cable Construction:** Indoor riser-rated cables are cheaper than plenum-rated or armored cables. Armored cables, including stainless steel coil or micro-armor designs, provide crush and rodent resistance but are priced higher.
- **Installation Environment:** Underground or outdoor installations require additional protective sheathing, increasing cost compared to indoor or aerial runs.

- Pre-Termination and Connectors: Factory-terminated cables or pre-assembled patch cables add to the price, depending on connector type and fiber count .

- Bulk Orders: Large-volume purchases can reduce per-meter costs significantly, sometimes by 40-70% for high-quantity orders .

Example Specialized Cables

- Indoor/Outdoor Ultra Thin Micro Armor Fiber™ : Flexible, crush-resistant, and plenum-rated, suitable for multi-floor or backbone installations. While more expensive than standard indoor distribution cable, it reduces conduit and installation costs overall .

- 288-Strand Backbone Cable: High-capacity cable for building backbones, priced around \$6 per foot or higher depending on specifications .

Summary

For super thick optical cables, expect \$3-\$6 per foot for high-strand-count or armored variants, with prices influenced by fiber count, armoring, installation environment, and pre-termination. Bulk purchasing and careful selection of cable type can optimize costs while ensuring durability and performance for long-term network infrastructure .

Article Content

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Fiber Optic Cable Price Per Foot Guide 2026

Buyers typically pay a range for fiber optic cable per foot depending on fiber type, jacket, and shielding, plus

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