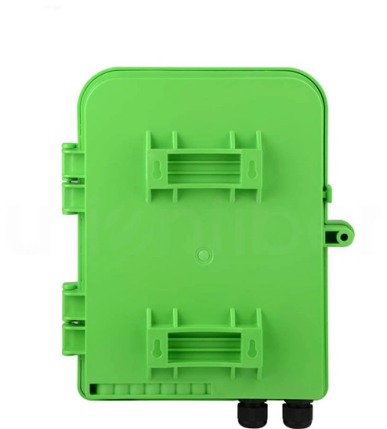


How much does a meter of five-core optical fiber communication cable cost



Article Overview

A five-core optical fiber cable typically costs between \$0.30 and \$2.50 per meter, depending on fiber type, construction, and environmental rating.

Price Range and Factors

The cost of fiber optic cables varies based on several factors:

- **Fiber Type:** Single-mode (OS2) fiber is generally cheaper per meter than multimode (OM3/OM4), with single-mode five-core cables usually ranging from \$0.30 to \$1.50 per meter, while multimode can reach \$1.50 to \$2.50 per meter .
- **Cable Construction:** Armored cables for outdoor or harsh environments increase the price by 20-50%, potentially costing up to \$2.50 per meter for a five-core configuration . Non-armored indoor cables are at the lower end of the range.
- **Jacket Material and Rating:** LSZH (Low Smoke Zero Halogen) or UV-resistant jackets for safety and durability add to the cost, while standard PVC jackets for indoor use are cheaper .
- **Bulk vs Retail:** Wholesale bulk purchases reduce the per-meter cost, sometimes down to \$0.09-\$0.50 per foot ($\approx$ \$0.30-\$1.60 per meter), whereas retail or pre-terminated cables are more expensive due to factory termination .

Additional Considerations

- **Installation Costs:** The quoted prices are for the cable itself. Installation, splicing,...

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