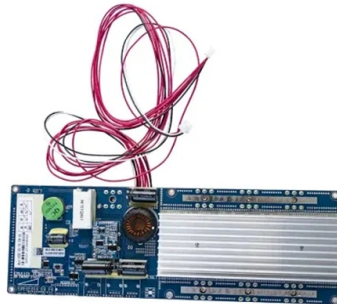


Price of Iron Core Optical Cable



AI Overview

Armored or reinforced fiber optic cables typically cost between \$0.50 and \$5 per foot, depending on fiber type, strand count, and construction. Pricing Overview The cost of fiber optic cables varies widely based on fiber type, core material, strand count, and cable construction. For armored or reinforced cables, which may be considered "iron-core" for durability:

- Single-mode fiber: \$0.10 to \$0.50 per foot for the cable itself, suitable for long-distance, high-bandwidth applications.
- Multi-mode fiber: \$0.30 to \$1.00 per foot, ideal for shorter distances.
- Armored or direct-burial cables: \$0.50 to \$5 per foot, designed to withstand harsh environments and physical stress.
- High strand-count cables: Prices increase with fiber count; for example, a 12-strand cable may cost around \$0.50 per foot, while a 24-strand cable can reach \$1.00 per foot.

Wholesale purchases can reduce costs significantly, ranging from \$0.09 to \$1.52 per foot, depending on quantity and supplier. Retail prices are higher, typically \$1 to \$6 per foot for standard cables, with pre-terminated assemblies or patch cables costing more due to factory termination.

Factors Affecting Cost

- Fiber Brand and Quality: Premium brands like Corning or YOFC are more expensive but offer lower attenuation and longer lifespan, while generic brands may be 10-15% cheaper.
- Cable Construction: Indoor riser-rated cables are cheaper than plenum-rated or armored cables. Armored cables with metal reinforcement or iron-like cores are at the higher end of the price range.
- Installation Environment: Underground or direct-burial installations increase costs due to trenching, conduit, and protective measures.
- Length and Quantity: Bulk orders reduce per-foot cost, while short runs or specialized cables increase unit price.

Example Costs

- 1-core FTTH drop cable: ~\$0.13 per foot.
- 288-strand backbone cable: ~\$6 per foot or more.
- 1000-foot bulk fiber optic cable: ~\$0.57 per foot on Amazon.
- Small commercial installation (100-200 drops): \$15,000-\$30,000 including materials and labor.

Summary For iron-core or armored f...

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High Speed Optical Fiber Price in Bangladesh | Computer Village

Prices may vary based on brand, core count, and cable quality. Computer Village updates listings regularly to reflect the current optical fiber price in Bangladesh.

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