

Price of Pole-Head Fixed Optical Cable



Article Overview

Pole-Head Fixed Optical Cable typically costs between \$0.50 and \$5 per foot, depending on fiber type, strand count, and environmental protection.

Pricing Overview

The cost of fiber optic cables varies widely based on several factors. For outdoor or aerial applications, such as pole-head fixed installations, prices are generally higher than indoor cables due to the need for armored construction, UV-resistant jackets, and weatherproofing. Standard pricing ranges are:

- Single-mode fiber (OS1/OS2): \$0.10 to \$0.50 per foot for basic cables, with outdoor armored versions reaching \$0.50 to \$5 per foot depending on strand count and protection level .
- Multimode fiber (OM3/OM4): \$0.30 to \$1.00 per foot for standard cables, with higher-grade cores or armored construction increasing costs .
- High strand-count cables: A 12-strand cable may cost around \$0.50 per foot, while a 24-strand or 288-strand backbone cable can reach \$1 to \$6 per foot .

Factors Affecting Cost

- Fiber Count and Type: More strands and multimode fibers increase the price. Single-mode fibers are preferred for long-distance outdoor runs.
- Cable Construction: Armored cables for pole or direct-burial applications are more expensive than non-armored cables. Outdoor-rated jackets (PE, UV-resistant) add 20-50% to the base cost .
- Environmental Rating: Cables designed for harsh weather, extreme temperatures,...

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Overhead/Aerial

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