

Price of pre-embedded optical fiber cables



Summary of Content

Pre-terminated or pre-embedded optical fiber cables typically range from \$1 to \$6 per foot, with higher costs for factory-terminated assemblies and specialized armored or outdoor cables.

Pricing Overview

The cost of pre-terminated fiber optic cables depends on several factors, including fiber type, strand count, cable construction, and connector type. Retail prices generally range from \$1 to \$6 per linear foot, while bulk wholesale purchases can be lower, around \$0.09 to \$1.52 per foot for standard fiber materials . Simple 1-core FTTH drop cables may cost as little as \$0.13 per foot, whereas high-count backbone cables (e.g., 288 strands) can reach \$6 per foot or more . Pre-terminated assemblies, which include factory-installed connectors, are more expensive due to the precision and labor involved .

Factors Affecting Cost

- **Fiber Type:** Single-mode fiber (OS1/OS2) is generally less expensive per foot than multimode fiber (OM3/OM4), but multimode transceivers are cheaper .
- **Strand Count:** Higher strand counts increase cost proportionally; for example, a 12-strand cable may cost around \$0.50 per foot, while a 24-strand cable can reach \$1 per foot .



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