

How much does a 48-core fiber optic cable connection cost



Article Overview

Installing a 48-core fiber optic cable typically costs between \$3 and \$12 per linear foot, depending on installation method, location, and project complexity.

Material Costs

The cost of the fiber optic cable itself varies with fiber count and type. For a 48-core cable, retail prices generally range from \$1.50 to \$6 per foot, with higher-end cables including enhanced jackets or pre-terminated assemblies costing more. Single-mode fiber is usually less expensive per foot than multi-mode fiber but may require more costly equipment for termination.

Installation Costs

Installation expenses often account for 60-80% of the total project cost. Factors influencing installation costs include:

- **Method:** Aerial installation is cheaper (\$6.55–\$12 per foot) than underground trenching (\$15–\$35 per foot) due to reduced labor and excavation requirements.
- **Labor:** Skilled technicians are required for proper termination, splicing, and testing, which can significantly affect the total cost.
- **Permits and Site Prep:** Fees for permits, right-of-way access, and site restoration can add \$50–\$500 or more depending on local regulations.
- **Route Complexity:** Longer runs, elevation changes, or difficult terrain increase lab...

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PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION Fiber Optic Cable - OM4 Multimode Fiber, Plenum or Riser Rated cable that is offered in 48, 60, 72, or 96

Contact Us

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