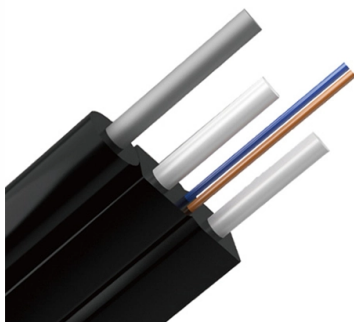


Standard Table of Armored Optical Cable Installation Costs



Overview

HOC produces all types of direct buried fiber optic cable, and supply with customized specifications for your project. Get a quote today!

Key Takeaways

Armored fiber optic cable installation typically ranges from \$1.00 to \$7.00 per foot depending on cable type, installation method, and project complexity.

Installation Type	Cable Cost (Armored)	Labor Cost	Permits/Accessories	Total Estimated Cost
Indoor short run (1,000 ft)	\$0.50-\$1.50/ft	\$1.00/ft	\$150-\$250	\$2,650-\$3,100
Outdoor mid-range (2,000 ft, conduit, 4 terminations)	\$0.70-\$2.00/ft	\$1.60/ft	\$350-\$500	\$4,940-\$6,120
Premium outdoor (5,000 ft, armored, multiple splices, professional testing)	\$1.00-\$5.00/ft	\$3.00/ft	\$900-\$1,200	\$11,000-\$14,500
Directional boring (road/driveway)	\$3.00-\$7.00/ft	Included	Delivery/Disposal extra	Varies by project
Aerial (utility pole)	\$1.20-\$2.50/ft	Included	Pole permits required	Varies by project

Notes:

- Cable Type: Armored cables are recommended for harsh environments or direct burial, costing \$0.50-\$5.00 per foot depending on strand count and jacket type (LSZH or PVC) .
- Labor: Installation and termination labor typically ranges from \$1 to \$6 per foot, with complex routing or conduit installation increasing costs to \$7-\$12 per foot .

- **Permits and Accessories:** Local permits, patch panels, connectors, and delivery/disposal fees can add \$100–\$1,200 depending on project size and location .
- **Regional Variations:** Urban areas may see 15–25% higher costs due to labor and permit rates, while rural areas may have lower labor but higher delivery costs .
- **Installation Method:** Open trenching is the most cost-effective (\$0.90–\$1.80/ft), while directional boring and aerial installations are more expensive due to equipment and permits .

Additional Considerations

- **Strand Count:** Higher strand counts increase cable cost proportionally; e.g., 12-strand armored cable ≈ \$0.50–\$1.00/ft, 24-strand ≈ \$1.00–\$2.00/ft .
- **Maintenance:** Expect \$50–\$200 annually for basic inspection and testing supplies over a 25-year service life .
- **Standards Compliance:** Ensure cables meet ITU-T (G.652.D) or UL ratings, and armored cables are suitable for direct burial or rodent protection . This table and breakdown provide a practical reference for budgeting armored fiber optic cable installation, accounting for material, labor, and regional variations.

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Splicing and Termination Testing the Installed Fiber Optic Cable Plant Administration, Management, and Documentation Also see

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