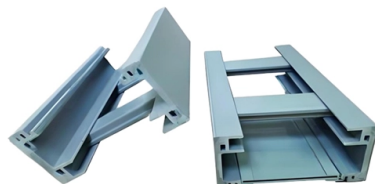


RIVO MULTITRADE OPTICAL SYSTEMS

Prices of coaxial cables and optical fibers



Overview

Coaxial Fiber Optic Cables Shop for Coaxial Fiber Optic Cables at Best Buy. Find low everyday prices and buy online for delivery or in-store pick-up. Cost.

Key Takeaways

Fiber optic cables cost between \$0.09 and \$6 per foot for materials, with installation raising total costs to \$1–\$16 per foot, while coaxial cables typically range from \$0.10 to \$1.50 per foot depending on type and shielding. Fiber Optic Cable Pricing

Material Costs:

- Single-mode fiber (OS2): \$0.09–\$1.52 per foot depending on strand count and jacket type. Bulk purchases reduce costs significantly. Single-mode is cheaper per foot than multimode but requires more expensive transceivers for long distances .
- Multimode fiber (OM3/OM4): \$0.50–\$6 per foot depending on strand count, jacket, and indoor/outdoor rating. OM3 is suitable for standard data centers, OM4 for high-speed applications .
- Armored or outdoor fiber: \$0.50–\$5 per foot for direct burial or harsh environments .
- High-count ribbon fiber (144+ strands): \$2.20–\$5.50 per foot for material alone .

Installation Costs:

- Labor and installation can add \$1–\$12 per foot depending on complexity, trenching, aerial installation, or indoor routing .

- Typical total installed costs:
- Indoor plenum/riser: \$2-\$5 per foot
- Armored outdoor/direct burial: \$4-\$16 per foot
- Large projects benefit from bulk purchasing, existing conduit use, and pre-terminated assemblies to reduce labor costs . Factors Affecting Fiber Pricing:
- Fiber type (single-mode vs multimode)
- Strand count (higher counts increase cost)
- Jacket material and environmental rating (plenum, LSZH, armored)
- Installation method (aerial, trenching, directional boring)
- Regional labor rates and permits .

Coaxial Cable Pricing

Material Costs:

- RG6 (standard residential/indoor): \$0.10-\$0.50 per foot
 - RG11 (longer runs, outdoor-rated): \$0.40-\$1.00 per foot
 - Shielded or armored coax for harsh environments: \$0.80-\$1.50 per foot
- Installation Costs:

- Labor typically adds \$0.50-\$2 per foot depending on routing complexity and connectors
 - Outdoor or underground runs may require conduit or trenching, increasing total cost
- Comparison:

- Fiber offers higher bandwidth, longer distances, and future-proofing but higher upfront costs
- Coax is cheaper for short runs and legacy cable TV or broadband applications but has limited speed and distance .

Summary	Cable Type	Material Cost (per foot)	Installed Cost (per foot)	Notes
Single-mode fiber		\$0.09-\$1.52	\$1.50-\$5	Long-distance, high-speed, lower material cost than multimode
Multimode fiber		\$0.50-\$6	\$2-\$16	Shorter distances, higher material cost, cheaper transceivers
Armored fiber		\$0.50-\$5	\$4-\$16	Direct burial, harsh environments
Coaxial RG6		\$0.10-\$0.50	\$0.60-\$2	Residential/indoor
Coaxial RG11		\$0.40-\$1.00	\$1-\$3	Longer runs, outdoor-rated
Shielded/armored coax		\$0.80-\$1.50	\$1.50-\$4	Harsh environments

Key Takeaways:

- Fiber optic cables have higher upfront costs but offer longer lifespan (20–30 years), lower maintenance, and higher bandwidth .
- Coaxial cables are cost-effective for short-distance or legacy applications but are limited in speed and scalability.
- Bulk purchasing, pre-terminated assemblies, and strategic installation planning can significantly reduce fiber costs .

Article Content

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