

Price of fiber optic cable for router



Article Overview

Fiber optic cables for routers typically cost between \$1 and \$6 per foot, with installation adding \$1 to \$12 per foot depending on complexity.

Cable Material Costs

The price of fiber optic cable varies by type and strand count. Single-mode fiber generally costs \$0.10 to \$0.50 per foot, while multi-mode fiber ranges from \$0.30 to \$1.00 per foot. Simple 1-core FTTH drop cables can cost around \$0.13 per foot, whereas high-count backbone cables (e.g., 288 strands) may reach \$6 per foot. Pre-terminated patch cables and assemblies are more expensive due to factory termination and connector types .

Retail Options

For home or office routers, fiber optic patch cables are widely available online in various lengths and connector types. Prices on platforms like Amazon typically range from \$10 to \$50 for standard 3-10 meter cables, depending on single-mode or multi-mode and connector type . Specialty cables, such as OM3/OM4 or armored outdoor cables, cost more .

Installation Costs

If professional installation is required, costs vary by method and property layout. Home installations typically range from \$1,500 to \$7,000, averaging around \$4,500, with per-foot costs between \$1 and \$12 depending on whether the cable is aerial, u...

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