

How much does an 8-core optical cable cost



Article Overview

An 8-core fiber optic cable typically costs between \$1 and \$6 per foot, depending on type, construction, and purchase volume.

Price Range and Factors

The cost of an 8-core fiber optic cable varies based on several factors:

- **Fiber Type:** Single-mode (OS2) cables are generally less expensive per foot than multimode (OM3/OM4), but multimode is often used for shorter distances like data centers .
- **Cable Construction:** Options include tight-buffered, loose tube, armored, or non-armored. Armored or outdoor-rated cables can increase costs by 20-50% .
- **Jacket Material:** Indoor cables with PVC or LSZH jackets are cheaper, while outdoor PE or UV-resistant jackets cost more .
- **Pre-Terminated vs. Bulk:** Pre-terminated assemblies with connectors (LC, SC) are more expensive than bulk cable .
- **Purchase Volume:** Wholesale bulk purchases can reduce the cost to \$0.09-\$1.52 per foot, while retail prices range from \$1 to \$6 per foot .

Typical Costs

- **Retail per foot:** \$1-\$6 for an 8-core cable, depending on fiber count, jacket, and type

Article Content

How much does fiber optic cable cost?

5. Does the brand of fiber optic cable significantly impact the price? 6. How can I estimate the total cost of a fiber optic

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