

Standard price for one meter of fiber optic cable



AI Overview

Fiber optic cable prices typically range from \$0.05 to \$6 per meter, depending on type, fiber count, and construction.

Typical Price Ranges

- Simplex/Duplex Indoor Cable: \$0.05 – \$0.30 per meter, suitable for short indoor runs .
- Single-mode Outdoor Cable (OS2): \$0.30 – \$2.80 per meter, ideal for long-distance or campus backbones .
- Multimode Cable (OM1/OM2/OM3/OM4): \$0.10 – \$6 per meter, commonly used in data centers and short-distance applications .
- Armored Cable (Steel Tape/FRP): \$1.15 – \$6.50 per meter, designed for harsh environments or direct burial .
- Aerial/Self-Supporting Cable: \$0.40 – \$1.50 per meter, for overhead installations .

Factors Affecting Price

- Fiber Count: Higher strand counts (e.g., 24-core or 96-core) increase cost compared to 1- or 2-core cables .
- Cable Construction: Loose tube, tight-buffered, armored, or non-armored designs affect material and production costs .
- Jacket Material and Environmental Rating: Indoor PVC or LSZH jackets are cheaper, while outdoor PE or UV-resistant jackets for aerial or direct-buried installations cost more

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The main cost drivers are cable grade (indoor vs outdoor, riser vs plenum), fiber type (single-mode vs multimode),

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Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more

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Main cost drivers include cable grade (indoor vs outdoor, armoured), distance, and labor for trenching, splicing, and

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