

How much does ADSS fiber optic cable cost per meter



Overview

ADSS fiber optic cable prices are usually calculated **per meter (RMB/meter) or per kilometer (RMB/km)**.

Key Takeaways

The cost of ADSS fiber optic cable ranges from approximately \$0.25 to \$1.20 per meter, depending on core count, sheath type, and span length. Price Range and Factors

The price of ADSS cable varies widely based on several key factors:

- **Fiber Core Count:** A 12-core ADSS cable for short spans (≤ 100 meters) typically costs \$0.25–\$0.35 per meter, while a 48-core cable for long spans (≥ 500 meters) can cost \$0.90–\$1.20 per meter due to additional buffer tubes, larger structure, and higher production costs .
- **Sheath Type:** Standard PE jackets are less expensive, whereas anti-tracking (AT) sheaths designed for high-voltage lines or harsh environments increase the cost .
- **Span Length and Mechanical Strength:** Longer spans require reinforced structures and higher tensile strength, which can add 20–30% to the base cost .
- **Material Quality and Brand:** Premium fibers from brands like Corning®, YOFC®, or Fujikura® are more expensive than generic fibers .

- Regional Differences: Prices vary by country due to labor, material costs, and taxes .

Example Pricing

- Short-span, 12-core, standard PE jacket: \$0.25–\$0.35 per meter
- Medium-span, 24-core, urban use: ~\$0.18 per meter (or \$180/km)
- Long-span, 24-core, reinforced dual sheath: ~\$0.30 per meter (or \$300/km)
- High-core-count, 48-core, reinforced AT jacket: \$0.90–\$1.20 per meter

Additional Considerations

- Accessories: Suspension clamps, tension clamps, vibration dampers, and joint closures can add 10–25% to the total project cost .
- Bulk Purchases: Ordering large quantities (e.g., 30,000+ meters) can reduce per-meter costs to \$0.02–\$0.06 for high-volume buyers .
- Installation Environment: Harsh climates, high-voltage lines, or long aerial spans require more robust cables, increasing costs. In summary, ADSS fiber optic cable costs are highly variable, ranging from a few cents per meter for simple, short-span cables to over a dollar per meter for high-core-count, long-span, reinforced cables. Budgeting should account for core count, sheath type, span length, and any required accessories.

Article Content

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How Much Does Fiber Optic Cable Cost

Cost of Fiber Optic Cable per Foot/Meter Generally, fiber optic cables range from \$0.09 to \$1.52 per foot and \$0.3 to

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The cost of single-mode fiber optic cables is influenced by factors such as construction type 7, application, and

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How much does fiber optic cable cost? In general, fiber optic cable price can vary from \$0.3 to \$5 per meter (\$0.09 to \$1.52 per foot).

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

