

How much does a meter of China Unicom optical fiber cable cost



AI Overview

China Unicom optical fiber cable typically costs between \$0.30 and \$2.00 per meter, depending on fiber count, cable type, and material quality.

Price Range and Factors

The cost of China Unicom fiber optic cables varies widely due to several factors:

- Fiber Count:** Higher core counts (e.g., 48, 96, 240 cores) increase the price, but not linearly, as manufacturing costs for extrusion and ribbon assembly remain similar.
- Cable Type:** Outdoor, armored, or direct-burial cables are more expensive than indoor or drop cables due to additional protective layers like PE, PVC, or LSZH jackets.
- Material Quality:** Premium optical fibers from brands like Corning, YOFC, or FiberHome cost more than generic fibers.
- Market Fluctuations:** Raw material prices for glass fiber, copper, and petroleum-based jackets can change daily, affecting per-meter costs.

Practical Estimates

Based on wholesale and bulk pricing data:

- Single-mode or low-core cables: Approximately \$0.30–\$0.60 per meter.
- Medium-core cables (12–48 cores): Around \$0.60–\$1.20 per meter.
- High-core cables (96–240 cores): \$1.50–\$2.00 per meter or more, especially for armored or outdoor-rated cables.

For example, a 240-core China Unicom fiber optic cable from a Chinese supplier is priced in the higher range due to its intensive fiber density and specialized ribbon construction.

Bulk orders often reduce the per-meter cost, while small quantities or pre-terminated assemblies may increase it.

Additional Considerations

- Installation Costs:** The above prices reflect cable materials only; installation, trenching, splicing, and connectors add to the total project cost.
- Customization:** China Unicom cables can be customized for specific applications (FTTH, 5G, LAN), which may affect pricing.
- Longevity:** Fiber optic cables typically last 20–30 years, making upfront investment cost-effective over time.

In summary, when budgeting for China Unicom optical fib...

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2. Factors Influencing the Cost of Fiber Optic Cable Cable Construction: This is the most important factor affecting the price. The main

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How Much Does Fiber Optic Cable Cost?

Honecable provides a range of wholesale fiber optic cable prices, which can vary from \$0.3 to \$4 per meter (\$0.09 to \$1.52 per foot). Genuine Modules mentions that the cost of fiber

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CRU provides comprehensive, accurate and up-to-date price assessments and research reports for bare optical fibre across various key regional markets, combined with insights into the

Fiber Optic Cable Pricing Guide: Factors That Affect Cost ...

This guide outlines the major factors that influence fiber optic cable costs and provides practical tips for estimating pricing in bulk or project-based scenarios.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://adicor.eu>

Email: info@adicor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

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