

Article Overview

As of early 2026, China Unicom optical fiber and copper cables have experienced significant price increases, with single-mode fiber prices in China rising from around 18 RMB/km in January to much higher levels by March due to supply constraints.

Optical Fiber Pricing

The price of G.652D single-mode fiber in China has surged dramatically in early 2026. At the start of January, prices were approximately 18 RMB per kilometer, but by March 9, 2026, quotations had risen sharply due to tightening supply and increased raw material costs. This rapid increase has also affected finished fiber cables, including patch cables, pigtails, and indoor assemblies, with prices varying depending on fiber type, cable structure, and order quantity . Factors influencing fiber cable pricing include:

- o Fiber count: Higher-core cables (e.g., 96 or 144 cores) often have a lower price per fiber due to manufacturing efficiencies .
- o Fiber brand: Premium brands like Corning, YOFC, or FiberHome cost more but offer lower attenuation and longer lifespan, while local Chinese brands are 10-15% cheaper .
- o Cable structure and jacket material: Outdoor or ADSS/GYTA cables with copper reinforcement are priced based on current copper and fiber rates .

Copper Wire Component

China Unicom cables often use Copper-Clad Aluminum (CCA) or pure copper conductors. CCA provides a cost-effective balance between performance and affordability, while pure copper is recommended for high-bandwidth or mission-critical applications due to superior conductivity and lower resistance . Copper wire pricing is influenced by:

- o Material type: Pure copper is more expensive than CCA.
- o Cable length and gauge: Longer runs and thicker conductors increase cost.
- o Insulation and jacketing: LSZH or PE jackets for safety and durability can add to the price .

Bulk Purchase Considerations

Purchasing directly from manufacturers or OEM distributors in China can reduce costs by eliminating middlemen. Factory-direct orders allow for custom specifications, bulk discounts, and negotiation based on fiber brand and copper content . Payment terms typically involve a 30% deposit with 70% balance before shipment, and prices are often quoted FOB Shenzhen or Shanghai, with CIF available upon request .



China Unicom optical fiber copper wire sales price

Market Trends

The Chinese optical fiber market is highly dynamic, with same-day or half-day quotations becoming common due to rapid price fluctuations. This volatility is driven by raw material availability, global demand, and large-scale infrastructure projects . In summary, China Unicom optical fiber and copper cable prices are currently elevated, with costs depending on fiber type, copper content, cable structure, and order volume. For precise pricing, contacting suppliers for a current quotation is recommended, especially for bulk or customized orders .

China Copper Wire wholesale - 2026 Copper Wire products in best price from Chinese Steel Wire manufacturers, Electric Wire

The global Fiber Optics Market in terms of revenue is estimated to be worth \$3.2 billion in 2024 and is poised to reach \$6.8 billion by

Different types of fiber optic cable for sale with competitive price from UnitekFiber Solution, a China based professional design and

Larger-scale procurement is on the way. Recently, the results of China Unicom's 2024 optical cable centralized procurement project

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This fiber optic cable manufacturer Price guide breaks down the costs of ADSS, Outdoor, and FTTH

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