Price of Copper-Clad Aluminum Fiber Optic Cable

Overview

Aluminium Wire (Copper Cladded) Prices, Trends, ChartIn Q1 2026, North America, the Aluminium Wire (Copper cladded) Price Index rose modestly quarter-over.

Key Takeaways

Copper-clad aluminum (CCA) fiber optic cables currently range around USD 5,500 per metric ton in APAC markets, with prices varying by region, supplier, and production method.

Current Pricing Overview

In North America, the CCA price index has risen modestly due to tight supply and stable industrial demand, with spot prices firming and contract volumes prioritized. Prices are influenced by energy tariffs, scrap copper costs, and infrastructure spending.

In APA

C, the average CCA price was approximately USD 5,549/MT, with quarterly increases driven by export demand, freight premiums, and higher imported ingot costs. Wholesale suppliers in China offer competitive pricing, often with bulk discounts and customization options. Prices fluctuate daily due to raw material costs, including copper and aluminum, and fiber optic components.

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Factors Affecting Price

Production Method: Cladding: Copper and aluminum atoms fuse at the microscopic level, producing high shear strength (>70 MPa) and long-term reliability. Electroplating: Copper ions are deposited onto aluminum surfaces; less integrated bonding can reduce durability under stress. Fiber Count and Brand: Higher fiber counts increase cost, but not linearly.

Premium fiber brands like Corning or YOFC are more expensive but offer lower attenuation and longer lifespan. Regional Supply and Demand: Local energy costs, import delays, and infrastructure projects can significantly impact pricing. Bulk Orders and Customization: Large-scale purchases often reduce per-meter cost, and suppliers may offer tailored solutions for specific applications.

Notable Manufacturers and Suppliers

China: Wolon, Litong Cable, and other verified suppliers on platforms like Made-in-China provide factory-direct pricing and customization. Europe: Companies like WEINERT Industries AG (Germany) and TKH Group (Netherlands) offer high-quality fiber optic solutions, including hybrid CCA cables. Turkey and Poland: Upcom Technologies, Samm Teknoloji, and Technokabel supply industrial-grade fiber optic cables suitable for telecom and data center applications.

Practical Tips for Procurement

Verify supplier certifications and customer feedback to ensure quality and reliability. Request proforma invoices specifying fiber brand and production method to avoid hidden costs. Consider regional price trends and shipping costs when comparing suppliers internationally.

Evaluate application requirements (overhead lines, EV wiring, telecom networks) to select the appropriate CCA cable type. By considering these factors, buyers can make informed decisions, balancing cost, performance, and long-term reliability when sourcing copper-clad aluminum fiber optic cables.

Article Content

Aluminium Wire (Copper Cladded) Prices, Trends, Chart

In Q1 2026, North America, the Aluminium Wire (Copper cladded) Price Index rose modestly quarter-over-quarter, driven by tight regional supply and stable industrial cable demand. Check detailed

Copper Clad Aluminium (cca) Wire Price Trend and

Copper clad aluminium (cca) wire price trend analysis, pricing forecast, price chart, price index, historical and spot market prices.

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Wire & Cable Prices

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