

Price of ordering aluminum alloy ladder cable trays

Article Overview

Aluminum alloy ladder cable trays range from approximately \$0.65 to \$14.90 per meter, depending on supplier, order volume, and specifications.

Pricing Overview

The cost of aluminum ladder cable trays varies widely based on material grade, load capacity, design type, and order quantity. For example, standard industrial-grade 6063-T5 aluminum trays typically start around \$14.90 per meter for small orders from premium suppliers, while bulk orders exceeding 10,000 meters can drop to \$0.65 per meter from high-volume manufacturers in China .

Factors Affecting Cost

- o Design Type: Ladder trays with open rungs are generally more cost-effective than boxed or solid-bottom trays, which provide additional protection for cables .
- o Load Capacity: Trays designed to support heavy cable bundles or industrial applications (minimum 200 kg/m) are priced higher due to reinforced side rails and thicker rungs .
- o Environmental Resistance: Corrosion-resistant or powder-coated trays suitable for harsh environments, such as coastal or chemical plants, may increase upfront costs but reduce long-term maintenance .
- o Customization: OEM or factory-direct options tailored to specific project requirements can affect pricing, with volume discounts available for large-scale orders .

Cost-Saving Strategies

- o Bulk Purchases: Ordering in large quantities (e.g., 5,000 meters or more) can yield 20-30% discounts .
- o Modular Designs: Prefabricated tees, risers, and reducers reduce labor costs by up to 40% during installation .
- o Lifecycle Consideration: Investing in higher-quality aluminum trays may have a 15-20% higher upfront cost than steel but reduces replacement frequency and maintenance expenses over time .

Supplier Examples

- o Shanghai Hdmann Industry: Premium supplier with entry prices around \$14.90/meter, suitable for critical infrastructure .
- o Weifang Guqiang: Offers competitive pricing at \$0.65/meter for large-scale orders (10,000+ meters), .
- o Hebei Saiyang Metal: High-volume orders (5,000+ meters) can achieve 30% cost savings .

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Additional Considerations

- o Verify aluminum alloy grade (6063-T5 recommended for strength-to-weight ratio).
- o Ensure compliance with NEC Article 392 and international standards like IEC 61537 or NEMA VE-1.
- o Check for certifications such as ISO 9001 and ISO 14001 to ensure quality control.
- o Consider modular and customizable options for complex routing, bends, and risers . By evaluating these factors, buyers can select aluminum alloy ladder cable trays that balance initial cost, durability, and long-term efficiency.

Aluminum Cable Tray systems are lighter than steel cable tray and Certified CSA Cable Tray, UL listed, NEMA and certified.

CANAH1412L123 ABB AH1412L12-3 Cable Tray Ladder Straight Section, Series 1 Aluminum 3 m Lx 12 in Wx 102 mm H

Aluminum Cable Trays & Ladders deliver lightweight, durable solutions. Aluminum Cable Tray manages cables, while Aluminum Cable

The Aluminum Ladder Cable Tray is a key item within our extensive Cable Tray selection.OEM cable trays are customized for brand

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Sourcing Guide for Aluminum Ladder Cable Tray: Our electronics supplier database is a comprehensive list of the key suppliers,

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The document discusses aluminum cable ladder products from series 2, 3, 4, and 5. It provides information on straight sections,

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