

Cost of Aluminum Alloy Cable Tray



Overview

Best Aluminum Cable Tray Pricing: A Practical Guide for 2026Overall, aluminum cable tray pricing hinges on the balance between material type, system comple.

Key Takeaways

Aluminum alloy cable trays typically range from \$0.85 per meter to \$12.90 per piece, depending on type, size, and supplier.Pricing Overview

The cost of aluminum alloy cable trays varies widely based on tray type, material grade, dimensions, and customization:

- Economical options: Basic aluminum trays from suppliers like Jiangsu Shanling can cost around \$0.85-\$0.89 per meter, suitable for standard industrial installations .
 - Premium or customized trays: High-end suppliers such as Shanghai Hdmann offer trays priced \$9.90-\$12.90 per piece, often for critical infrastructure projects requiring precise specifications and certifications .
 - Volume discounts: Bulk orders can significantly reduce per-unit costs, with some manufacturers offering tiered pricing down to \$2.50 per piece for larger quantities .
- Factors Affecting Cost
- Tray Type: Ladder, perforated, wire mesh, and solid-bottom trays differ in material usage and manufacturing complexity, influencing price .
 - Material Grade: Most aluminum trays use 6063-T6 alloy, valued for corrosion resistance, lightweight, and non-magnetic properties, but this alloy is more expensive than steel alternatives .

- Customization: Project-specific dimensions, coatings (e.g., powder coating, hot-dip galvanizing), and accessories increase costs .
- Supplier Location: Chinese manufacturers dominate global production, often offering lower prices, while local suppliers may charge more due to shipping and import costs .
- Market Fluctuations: Aluminum prices can vary significantly, with historical fluctuations of up to 18% affecting tray costs .

Typical Applications

Aluminum alloy trays are preferred in industrial, commercial, and sensitive environments due to their lightweight, corrosion resistance, and non-magnetic properties. They are widely used in data centers, chemical plants, oil and gas facilities, and infrastructure projects .

Summary

For budgeting purposes, expect low-cost aluminum trays around \$0.85-\$1 per meter, mid-range options \$2-\$5 per meter, and high-end or customized trays \$10-\$13 per piece. Prices are influenced by tray type, material, customization, and supplier, so obtaining quotes from multiple manufacturers is recommended for accurate project planning .

Article Content

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Specification of Diameter Maximize your cable management with Aluminum cable trays that are available in a wide range of sizes

Aluminum Alloy Cable Tray for Corrosion-Resistant Systems

Discover aluminum alloy cable trays that are lightweight, corrosion-resistant, and optimize heat dissipation for safe,

Cable Ladder Trays

Cable ladder trays have side rails with rungs to route and support cable. The rungs allow cable to enter and exit anywhere along the

Aluminum Alloy Cable Tray is Lightweight to Install

Aluminum alloy cable tray is made of aluminum alloy through extrusion molding. Compared with stainless steel cable trays, aluminum

653 Series Snake Tray Aluminum Cable Tray | Snake Tray

The 653 Series Aluminum Cable Tray is a ultralight weight, high capacity cable tray system designed to accommodate customer's

Aluminium Cable Tray | Harsha Group

Cable Tray Aluminium Cable Tray Harsha Group offers a range of aluminum cable trays designed to provide a lightweight and

Cable Tray Price List Philippines Updated 2026

A Cable Tray is a type of structural system that comprises a series of interconnected metal or non-metallic trays that

Cable Tray Ladders

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

Aluminum Cable Tray - RXL

Made from aluminum alloy, these rugged components bolt together to form a solid and reliable cable pathway. To secure and protect

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Cable Tray: Material Properties

In determining the proper aluminum alloy for structural applications such as a ventilated cable tray system, the design engineer

Straight Aluminum Cable Tray

These straight aluminum ladder sections support rooftop cable runs, forming the main lengths between fittings in any tray layout.

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

