Price of Low Voltage Wiring Cable Trays



Overview

Choose from our selection of cable trays, including over 850 products in a wide range of styles and sizes. Same and Next Day Delivery.

Key Takeaways

Installing cable trays for low-voltage wiring typically costs between $2 and $30 per meter, depending on material, type, and installation complexity.

Material Costs

The cost of cable trays varies significantly by material: Steel trays are the most common and cost-effective, typically ranging from $5 to $25 per meter. They are durable and suitable for general-purpose installations in offices, data centers, and industrial settings. Aluminum trays are lightweight and corrosion-resistant, ideal for humid or outdoor environments, costing $6 to $30 per meter.

Wire mesh (basket) trays are lightweight, flexible, and economical, often used for numerous small low-voltage cables in data centers or offices. Plastic trays are budget-friendly but not suitable for heavy loads. Surface treatments like pre-galvanized, powder-coated, or hot-dip galvanized (HDG) affect durability and price, with pre-galvanized being the most affordable for dry, indoor environments.

Tray Types and Installation

Tray design also impacts cost: Ladder trays handle heavy loads and heat well but are more expensive upfront. They are ideal for power-heavy or stable installations. Perforated trays offer moderate protection and cost less than ladder trays, suitable for mixed routing.

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Wire mesh trays are fastest to install, flexible, and cost-effective for low-voltage wiring in changeable layouts. Installation costs include labor, supports, connectors, and brackets. Labor often exceeds material costs, especially for complex routes or high ceilings.

Using open trays instead of conduit can save 40–60% of total project costs due to faster installation and easier cable management.

Additional Cost Factors

Project scale: Bulk orders can reduce per-meter costs by 20–40%. Accessibility and height: Difficult-to-reach areas increase labor costs. Future expansion: Open trays allow easy addition of new cables, reducing long-term costs.

Environmental exposure: Outdoor or corrosive environments require more expensive materials like aluminum or HDG steel.

Summary

For low-voltage wiring, expect $2–$30 per meter depending on material, tray type, and installation complexity. Wire mesh trays are generally the most cost-effective for light, flexible installations, while ladder or aluminum trays are better for heavy-duty or outdoor applications. Factoring in labor, supports, and accessories is essential for accurate budgeting and long-term efficiency.

Article Content

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Low Voltage Cable Tray

KDM proudly offers low voltage cable trays for lower yet competitively priced. Low voltage cable trays originally come from aluminum, plastic, and galvanized steel

Cable Tray

Our Wire Mesh Tray creates a dedicated pathway for all low-voltage and data cables. It is constructed of precision-engineered, high-quality welded steel wire and is the result of decades of

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Discover the key factors affecting cable tray price per meter, including materials, demand, and competition. Get cost insights and future pricing trends.

Advantages: ADVANCED CABLE BUS

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Low Voltage Cable Tray

However, KDM low voltage cable trays are also intentionally designed for some heavy duty power cables and full extent operations. This kind of cable unit is

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