

Price of Outdoor Ladder-Type Cable Trays

Article Overview

Outdoor ladder cable trays typically range from \$50 to \$500 per section, depending on material, size, and load capacity.

Pricing Overview

The cost of outdoor ladder cable trays varies widely based on material, dimensions, and structural design. Common materials include stainless steel, galvanized steel, and fiber-reinforced polymer (FRP), with stainless steel generally being the most expensive due to its corrosion resistance and durability in harsh environments .

- o Small to medium sections (1-3 meters): Prices typically range from \$50 to \$150 for standard galvanized steel or PVC-coated trays .
- o Heavy-duty or long-span sections: For reinforced or stainless steel trays designed to support heavy cable loads, prices can reach \$200 to \$500 or more per section .
- o Specialty designs: Half-round or solid-bottom trays for enhanced protection against moisture, debris, or rodents may cost more due to additional material and manufacturing complexity .

Factors Affecting Price

- o Material: Stainless steel and FRP are more expensive than galvanized steel or PVC-coated trays due to superior corrosion resistance and longevity .
- o Length and Width: Longer or wider trays require more material and structural support, increasing cost .
- o Load Capacity: Trays designed for heavy cable loads or long spans often include reinforced rungs or horizontal ledger beams, which add to the price .
- o Environmental Protection: UV-resistant coatings, fireproof designs, and corrosion protection for coastal or industrial areas can increase cost .
- o Accessories: Fittings, splices, covers, and supports may be sold separately and add to the total installation cost .

Supplier Examples

- o McMaster-Carr: Offers a variety of ladder cable trays with same-day delivery; pricing depends on material and size selection .
- o Alibaba: Provides low-cost outdoor cable tray ladders, including bulk options for industrial projects, with prices starting at approximately \$50 per section for standard models .
- o RS Components, CMW, Legrand: Offer professional-grade ladder trays with options for stainless steel, galvanized steel, and PVC, with prices generally in the \$100-\$500 range depending on specifications .



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Recommendation

When budgeting for outdoor ladder cable trays, consider material durability, environmental exposure, and load requirements. For long-term installations in harsh conditions, investing in stainless steel or FRP trays may reduce maintenance costs despite higher upfront prices. For temporary or less demanding applications, galvanized steel or PVC-coated trays provide a cost-effective solution.

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