

Price of making a box for cable trays



AI Overview

The cost of making boxes from cable trays depends on material type, size, fabrication method, and labor, typically ranging from \$10 to \$50 per small custom box using standard steel or aluminum trays.

Material Costs

Cable trays are available in galvanized steel, stainless steel, aluminum, and wire mesh, with prices per meter ranging from \$2 to \$25 depending on material, type, and finish . For small boxes, the required tray length is usually 1-2 meters, so raw material costs can range from \$5 to \$50 per box depending on the metal and thickness . Steel is the most cost-effective, while aluminum and stainless steel are pricier but lighter and corrosion-resistant .

Fabrication and Labor

Transforming a cable tray into a box involves cutting, bending, welding, and finishing. Labor costs vary by region and complexity:

- Cutting and bending: Simple hand tools or small machinery can be used for wire mesh or perforated trays, reducing labor costs .
- Welding and assembly: For steel or aluminum trays, welding adds to labor and energy costs. Skilled labor may charge \$15-\$50 per hour, with a small box taking 1-2 hours to fabricate .
- Finishing: Powder coating or galvanizing adds durability but increases cost by 10-20%

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