

# How many meters does a cable tray cost per ton

## Article Overview

Cable tray costs vary widely by material, ranging from \$2 to \$100 per meter, and can be converted to a per-ton basis using the tray's weight per meter.

## Cost Per Meter by Material

- o Galvanized Steel: \$2-\$25 per meter, commonly used for general installations .
- o Aluminum: \$6-\$30 per meter, lightweight and corrosion-resistant .
- o Fiberglass (FRP): \$10-\$50 per meter, ideal for harsh environments .
- o Stainless Steel: \$20-\$100 per meter, highly durable and corrosion-resistant .

## Estimating Cost Per Ton

To calculate cost per ton, you need the weight of the tray per meter, which varies by material and tray type:

| Material         | Approx. Weight per Meter | Cost Range per Meter | Estimated Cost per Ton |
|------------------|--------------------------|----------------------|------------------------|
| Galvanized Steel | 10-20 kg/m               | \$2-\$25             | \$100-\$2,500 per ton  |
| Aluminum         | 5-10 kg/m                | \$6-\$30             | \$600-\$6,000 per ton  |
| Fiberglass       | 5-15 kg/m                | \$10-\$50            | \$667-\$10,000 per ton |
| Stainless Steel  | 15-25 kg/m               | \$20-\$100           | \$800-\$6,667 per ton  |

Calculation Example: For a galvanized steel tray weighing 15 kg/m at \$15/m:

- o  $1 \text{ ton} = 1,000 \text{ kg} \rightarrow 1,000 / 15 = 66.7 \text{ meters per ton}$
- o  $\text{Cost per ton} = 66.7 \times \$15 = \$1,000 \text{ per ton}$

## Factors Affecting Cost

- o Tray Type: Ladder trays are heavier and more expensive than perforated or solid-bottom trays .
- o Surface Finish: Hot-dip galvanized (HDG) or powder-coated trays cost more than pre-galvanized trays .
- o Installation & Accessories: Supports, brackets, and connectors add to the total cost .
- o Bulk Orders: Large projects may reduce per-meter cost significantly . By combining the per-meter price with the weight per meter, you can estimate the cost per ton for budgeting purposes. This approach allows for comparison across materials and project specifications.

This document provides calculations for sizing a cable tray based on the cables being routed. It lists 6 cables of varying sizes that will

Explore competitive cable tray pricing options featuring durable materials, easy installation, and scalable



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solutions for efficient cable

Cable trays and ladders are standardly produced in 3-meter lengths but can also be manufactured in 6-meter lengths if desired. Fully

Getting cable tray pricing can feel tricky, right? Are you worried about overpaying or getting a

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Proper tray and ladder sizing ensures safe, efficient, and maintainable electrical installations in all engineering applications. IEC

For example: A standard 100mm wide GRP cable tray might cost around \$15 per meter. A larger 300mm wide tray with a higher load

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In conclusion, whether you prioritize cost, weight, or specific environmental resistance, there is a cable tray option out there for

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