

How much does a genuine cable tray support cost

Article Overview

The cost of a supported cable tray ranges from approximately \$2 to \$50 per meter, depending on material, type, and installation requirements.

Material and Tray Type Costs

The price of a cable tray varies significantly based on the material and design:

- o Steel trays: \$5-\$25 per meter, commonly used for general-purpose installations indoors .
- o Aluminum trays: \$6-\$30 per meter, lightweight and corrosion-resistant, ideal for outdoor or industrial environments .
- o Fiberglass (FRP) trays: \$10-\$50 per meter, suitable for aggressive environments where corrosion resistance is critical .
- o Stainless steel trays: Highest cost, used in hygienic or highly corrosive settings .
- o Plastic trays: Budget-friendly, but not suitable for heavy loads .

Tray design also affects cost: ladder trays are more expensive but support heavy cables, while wire mesh or perforated trays are cheaper and suitable for lighter loads .

Supporting Components and Installation

A supported cable tray system includes brackets, hangers, bends, tees, and covers, which can add 20-30% to the total cost . Outdoor installations or areas requiring covers for weather protection can nearly double the cost of the tray alone . Labor costs vary by region and installation complexity, with elevated or hard-to-access installations increasing expenses .

Total Cost Considerations

For budgeting purposes, a realistic estimate for a supported cable tray system is:

- o Low-end indoor installation: \$10-\$20 per meter including supports and basic labor .
- o Standard industrial installation: \$20-\$40 per meter, factoring in heavier trays, brackets, and moderate labor .
- o High-demand or outdoor installation: \$40-\$50+ per meter, including stainless steel or FRP trays, covers, and complex routing .

Bulk orders or project-scale purchases can reduce per-meter costs, while custom bends, tees, and covers increase the total budget .



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In summary, the final cost of a supported cable tray system depends on material choice, tray type, installation complexity, and environmental requirements, with a typical range of \$10 to \$50 per meter for most commercial and industrial projects.

By incorporating Eaton's support recommendations with straight sections, cable tray fittings, vertical adjustable splice plates and

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads.

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