

How much does a single-tube fireproof cable tray cost

Article Overview

A single-tube fireproof cable tray typically costs between \$10 and \$50 per meter, depending on material, coating, and specifications.

Price Range and Factors

The cost of a fireproof cable tray depends on several factors:

- o **Material:** Galvanized steel is the most common and affordable option, while stainless steel and aluminum are more expensive due to corrosion resistance and lightweight properties. Plastic trays are cheaper but not suitable for high-load or high-heat applications .
- o **Coating and Fireproofing:** Powder-coated or hot-dip galvanized trays increase durability and fire resistance, which raises the price. Fireproof trays may also include additional firestop integration for wall or floor penetrations .
- o **Tray Type:** Ladder-type trays are more expensive than perforated or wire mesh trays because they support heavier cables and provide better ventilation .
- o **Installation Components:** Brackets, supports, bends, and covers can add 20-30% to the total cost. Outdoor or high-exposure installations may require covers, further increasing expenses .
- o **Order Quantity:** Bulk purchases reduce the per-meter cost. For example, industrial suppliers may offer lower prices for orders exceeding hundreds of meters .

Typical Costs

- o **Steel (Pre-Galvanized):** \$10-\$20 per meter, suitable for dry indoor environments .
- o **Hot-Dip Galvanized Steel:** \$15-\$30 per meter, ideal for outdoor or industrial settings .
- o **Aluminum:** \$20-\$50 per meter, lightweight and corrosion-resistant .
- o **Stainless Steel:** \$40-\$50+ per meter, used in highly corrosive or hygienic environments .

Additional Considerations

- o **Supports and Brackets:** Essential for structural integrity; can significantly increase total project cost .
 - o **Customization:** Fireproof trays can be tailored for width, depth, and load capacity, which may affect pricing .
 - o **Installation Labor:** Skilled labor and equipment costs vary by region and can influence the overall budget .
- In summary, while a single straight fireproof cable tray may appear inexpensive, the total cost including supports, bends, and installation can be substantially higher. For budgeting, expect \$10-\$50 per meter for the tray itself, with additional costs for accessories and labor.



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Periodically inspect outdoor trays for rust, moisture accumulation, or UV damage. Fireproof trays require

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