Price of Trough-type Fireproof Cable Trays

Overview

Cost Benefits: Compared with other cable management methods, such as duct systems or buried cables, trough cable trays are usually less expensive and easier to install and maintain.

Key Takeaways

Trough-type fireproof cable trays typically range from $15 to $120 per meter, depending on material, size, and fire rating.

Price Range and Factors

The cost of trough-type fireproof cable trays varies significantly based on material, dimensions, and fireproof specifications. Common materials include stainless steel, aluminum, galvanized steel, and fiberglass reinforced plastic (FRP), with stainless steel and FRP generally commanding higher prices due to durability and corrosion resistance. Standard prices for these trays typically range from $15–$50 per meter for aluminum or galvanized steel and $80–$120 per meter for stainless steel or FRP.

Material and Fire Rating Considerations

Stainless Steel (304/316): High corrosion resistance, suitable for harsh environments, often used in chemical plants or coastal areas. Aluminum: Lightweight, corrosion-resistant, and moderately priced.

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P (Fiberglass Reinforced Plastic): Excellent fire resistance and corrosion protection, ideal for high-humidity or chemical environments. Galvanized Steel: Economical, with surface treatments like hot-dip galvanizing or powder coating to enhance durability. Fire ratings also affect cost.

Trays may be rated for 60, 90, or 120 minutes of fire integrity, verified by standards such as ASTM E814 or BS 476, and compliance with UL 94 or LSZH can increase the price.

Additional Cost Factors

Tray dimensions: Width, depth, and side rail height (35–200 mm) influence material usage and price. Load-bearing capacity: Higher capacity trays cost more due to thicker materials or reinforced designs. Customization: Custom lengths, perforations, or coatings can increase the price.

Accessories: Covers, connectors, and brackets may add to the total cost.

Procurement Tips

Minimum order quantities (MOQ) can range from 1–5 meters, offering flexibility for small projects. Evaluate total cost of ownership, including installation, maintenance, and lifecycle durability. Verify supplier certifications and customer reviews to ensure quality and compliance.

In summary, expect to pay $15–$120 per meter, with stainless steel and FRP at the higher end, and aluminum or galvanized steel at the lower end. Prices are influenced by material, fire rating, environmental resistance, and customization options.

Article Content

Trough Type Fireproof Cable Tray with Cover Price List Cable Trunking

Cost Benefits: Compared with other cable management methods, such as duct systems or buried cables, trough cable trays are usually less expensive and easier to install and maintain.

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