

## Fireproof cable tray specifications and prices



### Overview

A practical specification guide for choosing fire resistant cable tray systems in commercial and industrial electrical projects.

### Key Takeaways

Fireproof cable trays are designed to protect electrical cables from fire, with ratings up to 60 minutes, using materials like steel or fire-resistant boards, and prices vary by size, load capacity, and manufacturer.

#### Specifications

##### 1. Material and Construction

- Fireproof cable trays are typically made from pre-galvanized or hot-dip galvanized steel, or incorporate fire-resistant boards as a core protective layer .
- Fire-resistant boards are non-combustible, high-temperature resistant, and 5-12 mm thick, providing insulation and flame protection .
- Perforated designs allow for ventilation and easy cable fastening, while arc-shaped trays accommodate curved installations and reduce cable stress .

##### 2. Fire Resistance Ratings

- Common fire ratings include 30, 60, and 90 minutes, tested according to standards like DIN 4102-12 .

- N1 rating indicates 60 minutes of fire resistance, suitable for industrial and commercial applications .

### 3. Dimensions and Load Capacity

- Standard tray lengths: 3 meters
- Widths: 100 mm, 200 mm, 300 mm, 400 mm
- Load ratings: 10 kg/m on a 1.65-meter span, with support systems compatible with 10 mm threaded rods .
- Arc-shaped trays improve installation efficiency by over 30% compared to traditional trays .

### 4. Applications

- Suitable for low and high voltage cables in construction, power, oil, gas, petrochemical, rail, and utilities .
- Ideal for hospitals, data centers, airports, high-rise buildings, and offshore installations .

#### Pricing

- Prices vary depending on material, size, fire rating, and manufacturer.
- Pre-galvanized steel trays (60x100x3000 mm) typically start around \$50-\$70 per tray, while fire-resistant board trays with N1 rating can range from \$120-\$250 per tray depending on thickness and customization .
- Arc-shaped or custom-colored trays may incur additional costs due to prefabrication and aesthetic features .

#### Installation and Accessories

- Recommended accessories include cable cleats to maintain cable integrity during fire events .
- Trays can be installed along ceilings or walls, with reduced need for on-site cutting or welding, improving safety and efficiency .

Fireproof cable trays are a critical component for fire safety in electrical installations, and selecting the right tray involves balancing fire rating, load capacity, dimensions, and cost according to project requirements.

## Article Content

### Fire Resistant Cable Tray: Specification Guide for Safer Electrical Routes

A practical specification guide for choosing fire resistant cable tray systems in commercial and industrial electrical projects.

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#### FRP Cable tray

Ferrotech GRP FRP cable trays are manufactured for a comprehensive array of cable management requirements. Created from

#### Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Fire Rated Cable Trays that are crafted from premium materials like stainless steel, galvanized steel, tempered glass, and fire

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#### SWIFTS CABLE TRAY

Specification data for engineering software systems As part of its ongoing commitment to customer support, Legrand's cable

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#### 2026 Top Fireproof Cable Tray Buy Wholesale Price Guide for Buyers

Additionally, the article examines factors affecting wholesale prices, guiding buyers on how to find reliable suppliers for

#### Fire Rated Cable Tray

Cable tray designed to offer continuous support of cables Rated load of 12.5kg per metre over a 1.5m Span 1500mm Trapeze

Fireproof Cable Tray for Industrial Cable Protection and Fire Safety

A Fireproof Cable Tray is designed to reduce this risk by supporting both cable management and passive fire protection. Unlike a

Fire Resistant Cable Tray for Sale - 2026

Find top-rated fire resistant cable trays for sale with customizable options. Compare prices, MOQs, and supplier

Fireproof Cable Tray for Industrial Cable Protection and Fire Safety

What is the difference between a fire rated cable tray and a standard cable tray? A fire rated cable tray includes fire-resistant

Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Using our fire-rated cable tray solutions can significantly speed up recovery processes and lower repair costs. Additionally, these

Fire resistant cable tray | Hermi-solutions

Cable trays are intended for the construction of fire-resistant cable paths with surface cable laying. Cable paths are constructed as

DAKEN Fire-Resistant Cable Tray (DFCT)

The DAKEN DFCT Fire-Rated Cable Tray & Trunking System is an innovative next-generation passive fire protection solution

2026 Top Fireproof Cable Tray Buy Wholesale Price Guide for Buyers

The article "2026 Top Fireproof Cable Tray Buy Wholesale Price Guide for Buyers" provides a comprehensive overview of fireproof

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

