

Fireproof Cable Tray Processes Types and Prices



Overview

Learn about cable tray fireproof testing. We explain the process, including mechanical and fire tests.

Key Takeaways

Fireproof cable trays are available in steel and composite materials, with fire resistance ratings from 30 minutes to over 120 minutes, and prices ranging from \$0.65/m for bulk industrial orders to premium systems for specialized applications.

Types of Fireproof Cable Trays

Steel Trays:

- Perforated steel trays are common, available in pre-galvanized or hot-dip galvanized finishes.
 - Sizes include 60x100 mm, 60x200 mm, 60x300 mm, and 60x400 mm, typically in 3-meter lengths .
 - Fire resistance can range from 30 minutes to 120 minutes depending on design and certification .
- Composite Trays (FRP – Fiber Reinforced Polymer):
- Lightweight, corrosion-resistant, and fire-retardant.
 - Achieve fire ratings equivalent to steel (BS 476 Class 1) while reducing installation weight by 15-40% .

- Suitable for high-corrosion environments and coastal applications. Cable Basket Systems:

- Cablofil offers fire-resistant cable baskets for low and high voltage cables, tested to DIN 4102-12 standards for 30, 60, and 90 minutes at temperatures up to 1000°C .

- Often used in power, oil, gas, petrochemical, rail, and utilities sectors.

Pricing Examples

- Weifang Guqiang: \$0.65/m for bulk orders (10,000+ meters), suitable for large-scale industrial projects .

- Shandong Xuanlin: Flexible minimum order quantity of 1 meter, ideal for small projects, though technical specifications may be limited .

- Premium Steel or Composite Trays: Larger trays (e.g., 800 mm width) or powder-coated options for heavy-cable or high-corrosion applications command higher prices, often negotiated per project .

Key Considerations

- Fire Resistance Rating: Minimum 90 minutes is standard for industrial applications; critical infrastructure may require 120 minutes .

- Load Capacity: Ensure trays meet Class B1-rated load requirements (1 kN/m concentrated load) for overhead or seismic installations .

- Certification: Look for EN 1363-1, BS 476, UL, or DIN 4102-12 certifications to verify fire performance .

- Installation Environment: Steel is preferred for UL-certified systems in North America, while FRP composites are increasingly used in Asia-Pacific for corrosion resistance .

Suppliers and Sources

- HERMI Solutions: Offers standard and lightweight fire-resistant cable trays with advisory support for selection .

- Alibaba: Provides customizable fire-resistant trays for various industrial applications .

- Niedax: Offers perforated steel trays in multiple sizes and finishes .

- Accio: Lists global suppliers with detailed fire ratings, material types, and pricing .

- Cablofil (Thorne & Derrick UK): Specializes in fireproof cable baskets with DIN 4102-12 certification . When selecting a fireproof cable tray, prioritize fire rating, load capacity, material suitability, and supplier certification to ensure safety and compliance with industrial standards.

Article Content

2026 Top Fireproof Cable Tray Buy Wholesale Price Guide for Buyers

Fireproof Cable Trays aren't just about keeping wires in check — they actually help cut down on fire hazards and make

Fire Resistant Cable Tray

What is a fire resistant cable tray? A fire resistant cable tray is specially designed to support and protect

Fireproof Cable Tray for Industrial Cable Protection and Fire Safety

A Fireproof Cable Tray is used to support power and control cables while helping delay the spread of fire along cable routes in

DAKEN Fire-Resistant Cable Tray (DFCT)

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

Fire Resistant Cable Tray for Industrial & Commercial Projects

Fire resistant cable tray designed for industrial and commercial projects. Durable, safe, and suitable for cable protection in high-risk

Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

We provide a variety of options that include different materials and finishes, such as powder-coated aluminum, galvanized steel, and

Fire resistant cable tray | Hermi-solutions

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

Cable Tray Fireproof Testing: What You Need To Know

Learn about cable tray fireproof testing. We explain the process, including mechanical and fire tests. Find out why it's

Fireproof Channel Cable Tray System

The fireproof channel cable tray system is produced by galvanized channel cable tray after processing

Fireproof Cable Tray Enclosures: Keep Cabling Systems Safe

Sinisi Solutions works with major utilities and clients to design cable enclosures that protect critical cabling and cable tray setups

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

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations

Cablofil Cable Management | Legrand

Cablofil is the global gold standard for total cable management. Explore the one-stop shop for innovative, fast, and dependable cable

Fully Enclosed Fireproof Cable Tray

Fully enclosed fireproof cable trays are specialized cable management systems designed to protect electrical wiring from fire and

Electrical Cable Tray Fire Protection

Maintenance Electrical Cable Tray Fire Protection One of the most significant fire protection requirements for

FIREPROOF CABLE PENETRATION SEALING SYSTEM

General Information: - d in cable trays / racks, conduits, ducts. The fireproof cable penetration system shall be designed in such a

Trunking and Cable Tray Protection

Trunking and cable trays are designed to house and protect electrical wiring, which can be vulnerable to damage from environmental

FIRE RESISTANT PROOF CABLE TRAY, DIN STANDARD E90 ...

Cablofil fire resistant and fire proof cable trays are increasingly specified in the construction, power, oil, gas, petrochem, rail and

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