China s Flame-Retardant Cable Tray Specifications



Overview

China-Produced Ladder Type Cable Tray with Flame-Retardant Based on customer needs and focusing on the development of customer markets, except the traditio.

Key Takeaways

China flame-retardant cable trays are available in ladder, perforated, and wire mesh types, made from steel, aluminum, or FRP, with fire-resistant coatings and customizable dimensions for industrial and commercial applications. Key SpecificationsFeatureTypical Values / OptionsTray TypeLadder, Perforated, Wire Mesh, Channel, CombinedMaterialHot-dipped galvanized steel, Stainless steel, Aluminum, FRP (fiberglass reinforced plastic)Coating / Fire ResistanceFlame-retardant powder coating, Intumescent coating, Aluminum-Zinc-Magnesium alloy (ZAM), Fire-resistant polyester fiberglassStandard SizesWidth: 100–600 mm, Depth: 50–150 mm, Length: 2–3 m (customizable)Load CapacityLight, Medium, Heavy-duty (varies by material and span)Temperature ResistanceDesigned to maintain stability under high temperatures; specific ratings depend on coating and materialEnvironmental SuitabilityIndoor, outdoor, tropical, marine, industrial, urban, and suburban environmentsInstallationCeiling, wall, floor mounting; supports modular assembly and easy maintenanceComplianceFire safety codes, UL-classified support for wall/floor penetrations, ASTM standards for steel and aluminumAdditional FeaturesCorrosion resistance, UV protection, moisture and dust protection, customizable perforation patterns, anti-slip ladder rungsMaterial and Coating DetailsPowder Coating (PC): Thermoset or thermoplastic powder applied electrostatically and cured under heat for a hard, durable finish ( ).

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Al-Zinc-Magnesium Alloy (ZAM): 53% aluminum, 43% zinc, 2% magnesium, 1. 5% silicon; provides excellent corrosion resistance and durability ( ).

Fire-

Resistant Coatings: Intumescent or specialized fireproof powders enhance flame retardancy and prevent fire spread along cable runs ( ).

Applications

Industrial plants (chemical, petroleum, metallurgy)Commercial buildings and data centersEmergency systems (fire alarms, lighting, communication networks)Environments requiring high fire safety and corrosion resistanceNotes on SelectionTray type should match cable type and load requirements. Ladder trays are ideal for heavy cables, while perforated or wire mesh trays suit lighter or flexible cables. Material choice depends on environmental exposure: aluminum and FRP for corrosion-prone areas, galvanized or stainless steel for high mechanical strength.

Fire rating and coating selection are critical for compliance with local fire safety regulations and to ensure operational continuity during emergencies ( ). These specifications provide a comprehensive reference for selecting and designing flame-retardant cable tray systems in China, ensuring safety, durability, and regulatory compliance.

Article Content

China-Produced Ladder Type Cable Tray with Flame-Retardant

Based on customer needs and focusing on the development of customer markets, except the traditional metal product trade, we further develop and improve our own production lines, such as frame

China-Produced Ladder Type Cable Tray with Flame-Retardant

You are viewing details for China-Produced Ladder Type Cable Tray with Flame-Retardant Coating for Fire Safety Compliance. The information provided here is either posted directly by the supplier, who

Flame-Retardant Cable Tray 100mm

Nestled in Yangzhong, Zhenjiang, China, Zhenjiang Dong Jie Electric Appliance Manufacturing Co., Ltd. stands as a beacon of innovation and reliability in the manufacturing of bus ducts, distribution

Fire-Resistant Cable Tray-Zhongli Cable Tray Supplier

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Fire-resistant cable trays are cable support structures with excellent fire resistance and flame-retardant properties. They are made of a steel frame coated with fire-resistant paint or composite fire-resistant

NB/T 10287-2019: (FRP cable tray) (PDF English)

This standard specifies the classification, technical requirements, test methods, inspection rules, signs, transportation and storage of FRP cable trays. This standard is applicable to cable trays

Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Fire Rated Cable Trays are built to boost flame retardancy while fitting into tight ceiling spaces. Offering a sleek, clean finish for indoor or outdoor use, it provides value with a 78mm depth that ensures

Fire-Resistant Steel Cable Tray (Tray Type) High-Safety Cable ...

Application:Construction;Application:Cable Wiring;Application:Managing Cables;Type:Ladder Tray;Place of Origin:CN;HUN;Material:Galvanized;Max. Working Load:Other;Side Rail Height:Other;Model

China Heavy Duty Fire Resistant Cable Trays Wholesale

Heavy duty fire resistant cable trays are made of one-piece thickened cold-rolled steel, with reinforcing ribs, load-bearing beams and stamped key components for better stability.

Fire Retardant Cable Tray Flame Resistance Low Smoke Zero

We are a professional manufacturing and trading company of cable and cable support system. We currently sell domestically and export worldwide to places such as South East Asia, Africa, North

China Steel Fireproof Cable Tray with Cable Support and Polymer

The Fireproof Cable Tray is a rectangular-shaped thermal insulated cable tray that can withstand extreme temperatures up to 500°C, making it a reliable option for fire-resistant cable ducts.

A Technical Overview of Chinese Cable Tray: Specifications and

This guide explores the most common types of Chinese-manufactured cable trays, highlighting their unique features, advantages, ideal applications, and key considerations to help you make informed

Fire Safety and FRP Cable Trays: Meeting Regulatory Standards

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By choosing fire-resistant FRP cable trays, incorporating flame-retardant additives, and following proper installation and maintenance procedures, you can confidently use FRP cable trays

Technical Guidelines for Cable Tray Installation and

Fire-resistant trays must be made from non-combustible or flame-retardant materials such as: Galvanized steel,Stainless steel,Fire-resistant coated trays,Flame

FRP Cable tray

Ferrotech FRP cable trays have been tested by independent authorities as per various specifications Our cable trays are manufactured as per NEMA standards and the Fire Retardant Grade confirms to

Power and Control Tray Cable

These cables may be used for: cable trays in accordance with NEC Article 318 (these cables meet the requirements of the 70,000 BTU/hr vertical tray flame test in UL 1277, IEEE 383 and the ICEA

Fire-Resistant Cable Tray-Zhongli Cable Tray Supplier

Fire-Resistant Cable Tray Fire-resistant cable trays are cable support structures with excellent fire resistance and flame-retardant properties. They are made of a steel

anixter-wire-wisdom-vertical-tray-flame-tests

Vertical-tray flame tests are commonly used in the wire and cable industry to analyze cable flame propagation for industrial control and power cables. These tests specifically examine the flame

FRP Cable Tray Catalog Features & Specs & Applications

Ideal for Managing and Protecting Cables FRP cable tray is the support system for managing cables and protect cables from heating, rains and corrosive elements.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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