Fireproof Ladder Type Cable Tray

Overview

Fireproof Ladder Cable Tray-Guangdong Tianlai Steel ConduitFireproof Ladder Cable Tray Excellent heat dissipation: Fully open structure ensures unobstructe.

Key Takeaways

Ladder-type fireproof cable trays are open-frame systems designed for high-load, fire-resistant cable management, available in various materials, sizes, and customizable configurations. OverviewLadder-type cable trays consist of two parallel side rails connected by rigid cross rungs, forming a ladder-like structure that provides excellent ventilation, heat dissipation, and easy cable access. They are ideal for industrial, commercial, and data center installations, supporting heavy power, control, instrumentation, and fiber optic cables simultaneously.

Key Features

Fire Resistance: Non-combustible materials and fire-retardant coatings enhance safety in high-risk environments.

High Load-

Bearing Capacity: Rigid crossbeam connections allow support for multiple cable types and heavy loads. Material Options: Stainless steel (304/316), galvanized steel, aluminum, and fiberglass reinforced plastic (FRP) are commonly used, offering corrosion resistance and durability. Ventilation and Heat Dissipation: Open ladder design ensures unobstructed airflow, maintaining low cable operating temperatures.

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Modular and Scalable: Pre-engineered components with quick-connect joints allow easy expansion, reconfiguration, and maintenance. Customization: Lengths typically range from 2,000mm to 6,000mm, widths from 50mm to 1,200mm, and side rail heights from 25mm to 400mm, with options for perforated or solid rungs. Standards and CertificationsLadder-type cable trays comply with international and national standards, including: GB/T 29415-2012: Steel cable tray specificationsGB/T 23639-2009: General cable tray specificationsJG/T 169-2005: Technical standards for construction cable laddersNEMA VE 1 & VE 2: Design, performance, and installation guidelines Notable Models and ApplicationsHigh-Load Bearing Trays: Suitable for stadiums, industrial plants, and energy facilities, supporting high-power cables and heavy equipment.

Modular Quick-

Installation Trays: Designed for rapid deployment in large-scale projects, such as Olympic venues or commercial complexes.

Anti-

Interference Shielded Trays: Provide EMI protection for sensitive electronic systems and broadcasting equipment.

Suppliers and Customization

Manufacturers like VOLTIS, Guangdong Tianlai Steel Pipe Cable Tray Co., Ltd., and Huining Group offer customizable ladder-type fireproof cable trays, including options for material, size, color, and specialized coatings. They provide one-stop solutions from design to mass production, ensuring compliance with project-specific requirements. These models are widely used in commercial buildings, municipal engineering, energy and power systems, and fire protection installations, providing a reliable, safe, and efficient cable management solution.

Article Content

Fireproof Ladder Cable Tray-Guangdong Tianlai Steel Conduit

Fireproof Ladder Cable Tray Excellent heat dissipation: Fully open structure ensures unobstructed airflow, maintaining low cable operating temperatures—ideal for high-load power cables.

Types of Cable Trays: Ladder, Perforated, Basket, Solid

Cable trays support insulated electrical cables in industrial and commercial settings. There are several types of cable trays, including ladder,

Reliable Solutions for Efficient fireproof cable tray ladder type cable ...

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Discover high-quality fireproof cable tray ladder type cable designed for efficient cable management, offering durability and easy installation. Ideal for enhancing organizational systems in commercial

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Aluminum Alloy Fire

Fireproof, moisture-proof and corrosion-resistant: The ladder cable tray has excellent fireproof, moisture-proof and corrosion-resistant properties, providing

Reliable Solutions for Efficient ladder fireproof cable tray Management ...

Discover high-quality ladder fireproof cable tray designed for efficient cable management, offering durability and easy installation. Ideal for enhancing organizational systems in commercial settings.

Ladder Type Cable Tray

Engineered with lightweight materials for easy handling, this Ladder Cable Tray features superior heat dissipation and protective U-shaped edges to safeguard

Ladder Type – GM ENGINEERS

These trays consist of two parallel side rails connected by rungs at regular intervals, resembling a ladder. They provide excellent cable support, ventilation, and ease of maintenance, making them

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