Latvian durable fireproof cable trays

Overview

Since 1982, VALDINOX has been designing and manufacturing wire mesh cable trays, supports, and easy-installation accessories. Since then, we have dedicated all our experience and technical...

Key Takeaways

Latvian fireproof cable trays are designed for high fire resistance, durability, and compliance with international safety standards, providing reliable protection for electrical and communication cables.

Fire Resistance and Safety

Latvian fireproof cable trays are engineered to resist extreme temperatures and prevent fire spread, ensuring the safety of both infrastructure and personnel. They can withstand jet fires and hydrocarbon pool fires for up to 180 minutes and are often blast rated, providing high integrity protection in industrial environments. Compliance with standards such as DIN 4102-12 ensures that these trays maintain load-bearing capacity, integrity, and thermal insulation during fire events.

Material Composition

These trays are typically made from metal alloys such as galvanized steel, stainless steel, or aluminum, sometimes combined with fire-resistant coatings to enhance durability and corrosion resistance. The coatings are applied through processes like spraying, rolling, or brushing, with strict control over thickness and adhesion to meet fireproof standards.

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Design and Functionality

Latvian fireproof cable trays feature slot patterns and ladder designs that allow for efficient cable positioning, easy access for maintenance, and secure fixing of cables and tubing. They are available in various heights and widths to accommodate different cable loads and project requirements. Some designs include removable jackets for easy cable repair while maintaining thermal insulation and fire protection.

Durability and Maintenance

The trays are designed for long-term performance, with coatings that resist corrosion, wear, and environmental stress. Regular inspection and maintenance are recommended to check for coating degradation, rust, or mechanical damage, ensuring continued fireproof performance.

Applications

These cable trays are suitable for industrial facilities, commercial buildings, offshore and onshore projects, and critical infrastructure where high fire safety and cable protection are essential. They provide reliable support for power distribution, control, and communication cables under extreme conditions. In summary, Latvian fireproof cable trays combine robust materials, fire-resistant coatings, versatile design, and compliance with international standards to deliver safe, durable, and efficient cable management solutions.

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