

Article Overview

Fireproof cable trays in Serbia can be implemented using E-90 rated trays, fire-resistant coatings, and proper installation practices to ensure electrical continuity and safety during fire events.

Fire-Resistant Cable Tray Solutions

In Serbia, E-90 fireproof cable trays are available from local suppliers such as Pekom, providing 90 minutes of electrical circuit maintenance during fire exposure . These trays are designed to maintain power and data transmission in critical facilities like hospitals, airports, tunnels, and high-rise buildings. Internationally recognized solutions include:

- o Fire-resistant coatings and tapes (e.g., FLAMMOTECT-A and DG-CR 0.7) that form a protective shield around cables, preventing flame propagation and maintaining functionality during fire .
- o Panel and paste systems (e.g., Tecbor(R) B panels or Tecbor Preparada(R) Joint Paste) that cover trays and cables, tested under UNE ENV 1363-1 and UL 1709 hydrocarbon heating curves, providing 90-120 minutes of electrical maintenance .
- o Fire-resistant cable support systems (e.g., Meka Pro) tested with connected cables according to EN 1363-1, ensuring structural integrity and continued operation during fire .

Installation and Compliance Guidelines

Proper fireproofing requires adherence to technical standards and installation practices:

- o Tray material selection: Indoor trays typically use painted steel or galvanized steel; outdoor or corrosive environments may require stainless steel, aluminum alloy, or fiberglass-reinforced plastic .
- o Segregation of cables: Power and signal cables should be routed separately to minimize interference and ensure safety .
- o Fireproof coatings and sealing: Coatings must be inspected periodically for integrity, and tray passages between fire sectors should be sealed to prevent fire spread .
- o Qualified installation: Fire-resistant systems must be installed by trained personnel following manufacturer instructions and local regulations .

Practical Considerations

- o Critical facilities: Hospitals, airports, tunnels, and high-rise buildings benefit most from fireproof trays to maintain essential services during emergencies .
- o Maintenance: Regular inspection of coatings, fastenings, and tray integrity is essential to ensure ongoing fire protection .

Fireproofing of cable trays in Serbia

o Standards compliance: Using products tested to EN 1363-1, UL 1709, or equivalent standards ensures reliability and legal compliance in Serbia and the EU . By combining E-90 rated trays, fire-resistant coatings, and proper installation practices, facilities in Serbia can achieve robust fire protection for cable systems, ensuring safety, continuity of power, and compliance with international standards.

With integral thermal insulation and passive fire protection, Contraflex® provides reliable cable protection.

Among its wide range of solutions is a certified cable tray fire protection system. JetBlack® has developed a blanket system that can

Fire safety testing for power, control and communication cables, cable trays, penetration seals and foams assure the safety of your

Fireproofing prevents the spread of fire through cable trays and conduits, maintaining critical systems such as alarms, lighting, and

Are Your Cable Trays Fireproof? Here's How to Find Out When a fire breaks

Created by ViewSource.

Sometimes the entire cable tray is requested to be protected from fire, ensuring the

Firestop Cable Coating is a white, water based synthetic resin which is applied by airless spray, or painted onto cables & cable trays

1. Route Planning and Layout Principles Coordinate with Building Structure: Cable tray routing should align

The fire protection of electrical raceways or cable trays that act as conduits for cables supporting these process critical

Fire-resistant cable management systems shall be installed only by qualified persons familiar with standard

Cable trays in high-rise buildings need to be carefully designed to withstand high

Learn how fire protection for cable trays enhances industrial safety by preventing fire

Fire protection solutions to protect cables, cable trays and cable systems. Discover our tested cable



Fireproofing of cable trays in Serbia

Perforated track with one threaded rod... Perforated track with two threaded rods...

Our focus lies on a long-term and sustainable development of our company. We are small and flexi...

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