

Fireproof cable tray embedded parts model and specifications

Article Overview

Fireproof embedded parts for cable trays include intumescent pillows, putty, and caulks, designed to seal penetrations and provide fire resistance up to EI 240.

1. AF BAGS Fireproof Pillows

AF BAGS are intumescent and ablative pillows certified under EN 1366-3, suitable for cable tray penetrations up to EI 240 . Key specifications include:

- o Casing: Non-combustible fiberglass, 200 g/m²
- o Sealing depth: 120 mm for cables up to 21 mm diameter
- o Composition: Intumescent granular compounds, thermal insulating aggregates, and water-release products
- o Applications: Walls, floors, sandwich panels, and self-supporting structures
- o Advantages: Easily repositioned for maintenance, no harmful fibers, suitable for small, medium, and large cable penetrations .

2. 3M Fire Barrier Moldable Putty+

3M Fire Barrier Moldable Putty+ is a one-part, halogen-free product for sealing electrical outlet boxes, conduits, and cable penetrations . Specifications include:

- o Material: Organic/inorganic elastomeric sheet bonded to 28-gauge galvanized steel, reinforced with steel-wire mesh and aluminum foil
- o Installation: Quick Pass Device allows easy retrofit and reuse for additional cables
- o Applications: New construction or renovation, compatible with various fire-rated constructions
- o Fire protection: Blocks heat penetration and protects structural steel and cable trays .

3. IC 15WB Firestop Caulk

IC 15WB Caulk is an intumescent latex/water-based caulk designed for cost-effective fire containment . Features include:

- o Installation: Standard caulking gun
- o Function: Seals cut edges of interam mats and penetrations, chemically absorbs heat to protect cable trays
- o Fire rating: Effective for containing fire and smoke at the origin .

4. Tray-Specific Embedded Parts



Fireproof cable tray embedded parts model and specifications

- o "CT" Type Tray: Includes two pairs of 9ZN-800 splice plates with 3/8" zinc-plated hardware
- o "U" Type Tray: Does not include splices; compatible with firestop accessories .

5. Standards and Certifications

- o EN 1366-3: Fire resistance testing for service installations
- o EI 120-240: Fire rating for cable tray penetrations
- o UL and NEMA compliance: Many products conform to UL listings and NEMA VE 1-2017 standards .

6. Installation Considerations

- o Measure cable tray dimensions to select the correct size and number of fireproof pillows or putty
- o Ensure proper sealing depth and coverage for rated fire resistance
- o Use products compatible with wall, floor, or sandwich panel structures
- o Repositionable solutions like AF BAGS facilitate maintenance and system modifications .

These fireproof embedded parts provide reliable fire containment, protect structural integrity, and ensure compliance with international fire safety standards for cable tray installations.

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

B. Cable tray systems are defined to include, but are not limited to straight sections of [ladder type] [trough type] [solid bottom type]

Units accept any cable size and quantity. Installs before or after tray and cable. Cable maintenance and changes are simple and

The cable tray is fabricated from premium steel and coated with a durable fire-resistant powder finish that provides enhanced

Upgrade infrastructure safety with the DAKEN DFCT. Featuring an epoxy intumescent coating and ventilated design to prevent

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

Trunking and Cable Tray Protection Fire prevention is a critical aspect of safeguarding both residential and commercial buildings.

Fireproof cable tray embedded parts model and specifications

Fire safety and fire resistance are vital part of responsible electrical designing and installation. Meka Pro

Periodically inspect outdoor trays for rust, moisture accumulation, or UV damage. Fireproof trays require

Seal cable penetrations with our modular firestop solutions, designed to create water-, smoke- and gas-tight barriers in energy and

These easy and modular bolt-on fireproof barriers surround cable tray arrangements to protect from fire, and blasts to

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

FIRE RATED WALL ATTACH OUTER LAYER OF BAGS TO WALL WITH FIREPROOF CALK PER SIZE OF WALL

Following this fireproof cable tray cover inspection checklist as part of your facility maintenance routine helps ensure continuous fire

Learn how fire protection for cable trays enhances industrial safety by preventing fire hazards in critical areas and

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

Web: <https://www.supremeacademicresearch.co.za>

