

Article Overview

French cable trays are available in a variety of widths, heights, materials, and finishes, designed to comply with IEC 61537 and European safety standards.

Dimensions and Configurations

French cable trays, such as those from OB Profils, are offered in widths ranging from 50 mm to 600 mm and heights from 25 mm to 100 mm to accommodate different cable volumes and installation requirements . Tray types include ventilated, solid, and wire-mesh designs, each suited for specific applications like electrical, instrumentation, or control systems . Rung spacing for ladder-type trays typically ranges from 150 mm to 230 mm to maintain cable support and proper bend radius .

Materials and Finishes

Cable trays are manufactured from a variety of materials to suit environmental conditions:

- o Steel: Pre-galvanized, hot-dip galvanized, or Magnelis(R) for corrosion resistance .
- o Aluminum: Lightweight with excellent corrosion resistance due to natural oxide layer .
- o Stainless Steel: AISI 316L for high corrosion resistance, especially in chlorinated or marine environments .
- o PVC and Epoxy-coated trays: For chemical resistance and UV protection .

Load and Mechanical Parameters

French cable trays are designed to meet mechanical strength requirements as per IEC 61537, ensuring they can support cable weight over specified spans without excessive deflection . Typical span testing is conducted at 1 m, 1.5 m, and 2 m, with working load and safety margins calculated according to the standard . Electrical continuity is also ensured for trays used as grounding paths, with resistance limits below 0.1 ohms across joints .

Accessories and Installation

A complete range of accessories is available, including supports, fittings, fasteners, and screws, compatible with various tray types and finishes . Installation considerations include proper ventilation, fill ratio, and compatibility with bends, risers, and other system components to prevent overheating and maintain cable integrity .

Standards and Compliance

French cable tray specifications

French cable trays comply with European directives and are CE marked, demonstrating adherence to safety and performance standards . Compliance with IEC 61537 ensures trays meet international benchmarks for mechanical strength, corrosion resistance, fire performance, and electrical continuity . Manufacturers often provide test certificates to verify compliance.

Summary

French cable trays offer flexible dimensions, robust materials, and standardized compliance, making them suitable for a wide range of building and industrial applications. Selection should consider tray type, material, environmental conditions, load requirements, and accessories to ensure safe and efficient cable management .

Browse our T&B galvanized metallic cable tray systems. More adaptable and easier to maintain than conduit pipe,

SPECIFICATIONS: TOLMEGA perforated cable trays with safety return flange BS type or equivalent to IEC 61537 This specification

Discover Legrand's Swifts Cable Tray, designed for efficient cable management with innovative, sustainable solutions for various

We offer Cable Tray in France in different specifications at competitive market prices. Our range is customized and passes stringent

THE FIRST NAME IN WIRE CABLE TRAY Over 35 years ago, Cablofil invented the concept of wire cable tray and introduced it to

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management,

Discover the top cable tray manufacturers in France, including Niedax, EAE Electric,

Cable Trays and Accessories are designed to meet most requirements of cable and electrical wire installations and comply to local

Explore Legrand Cablofil wiremesh cable trays for flexible, customizable cable management solutions suitable for various

Cable trays are components of support systems for power and communications cables and wires. A cable tray system supports and

French cable tray specifications

Wire Mesh Cable Tray Installation Notice: Bends, Risers, T Junctions, Crosses and Reducers can be made from wire mesh cable

Itray replaces our current "C" aluminum 4" to 7" side rail height cable tray line. Itray's patent-pending, all-aluminum construction

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules

OB Profils provides a wide range of cable trays and supports to maintain and facilitate the passage of your electrical cables

NIEDAX France offers a large range of PERFORATED CABLE TRAY, guaranteeing an unmatched quality. Come check it out!

Available on the main routing accessories, this new innovative system facilitates the accessories installation, regardless of the cable

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