

Finnish Cable Tray Model Specifications Table

Article Overview

Finnish cable trays are available in ladder, perforated, solid-bottom, and wire mesh types, made from materials like galvanized steel, stainless steel, aluminum, and fiberglass, with specifications tailored for industrial, commercial, and energy infrastructure projects.

Types of Cable Trays

- o Ladder Trays: Designed for heavy cable loads, providing excellent ventilation and easy access for installation and maintenance. Popular models include the KS20 ladder from Meka, which features a zinc-based special coating for durability and corrosion resistance .
- o Perforated Trays: Solid-bottom trays with perforations for airflow and cable support, suitable for medium loads and environments requiring partial protection.
- o Solid-Bottom Trays: Provide full support and protection for sensitive cables, often used in industrial or outdoor applications.
- o Wire Mesh Trays: Lightweight and flexible, ideal for complex routing and retrofit projects. For example, the MP Bolagen wire mesh tray has a 55 mm height, 2.5 m length, and a support spacing of 2 m with a safety factor of 1.7 times maximum load .

Materials and Coatings

Finnish cable trays are manufactured from a variety of materials to meet different environmental and load requirements:

- o Galvanized Steel: Standard for corrosion resistance and structural strength.
- o Stainless Steel: Used in harsh or corrosive environments, including offshore and industrial applications .
- o Aluminum: Lightweight and corrosion-resistant, suitable for indoor and outdoor installations.
- o Fiberglass (FRP/GRP): Non-conductive and corrosion-resistant, ideal for chemical plants or wet environments .
- o Special Coatings: Zinc-based or painted finishes enhance durability and longevity, as seen in Meka's KS20 ladder trays .

Dimensions and Load Capacity

Cable trays in Finland come in various heights and widths to accommodate different cable volumes and load requirements. Slot patterns and perforations allow for efficient cable positioning and easy attachment of clamps or ties . Wire mesh trays typically have standardized lengths of 2.5 m, with deflection and support spacing calculated to maintain safety factors above 1.5 times the maximum load .

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Market and Standards

The Finnish cable tray market is driven by industrial automation, energy infrastructure, and commercial construction projects. Compliance with Nordic and EU regulations for fire safety, electromagnetic compatibility, and material durability is essential . Manufacturers like Meka and Oglaend System provide certified solutions with a wide range of accessories, brackets, and fittings to ensure flexible and secure installations .

Summary

Finnish cable trays offer a diverse range of models and specifications, including ladder, perforated, solid-bottom, and wire mesh types, with materials and coatings selected for durability, load capacity, and environmental conditions. Leading suppliers provide detailed technical specifications, installation guidance, and accessory options to support both large-scale projects and maintenance operations .

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

Aluminum cable tray Straight lengths -- Tray bottom types: ladder, ventilated and solid trough Ladder Extra wide aluminum rungs

Eaton's B-Line Business reserves the right to make changes to the specifications, materials, equipment, prices, or the availability of

FDG CABLE TRAY FDG Cable Tray is designed to continuously support cable systems including; Power, Data, and Audio Visual. A

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The document contains specifications for cable ladder and tray systems including dimensions, materials, and part numbers. It lists

PVC cable tray can be installed in both commercial and industrial environments. - Damp, saline environments: ges,

Specification data for engineering software systems As part of its ongoing commitment to customer support, Legrand's cable

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

Explore the types of cable trays, their advantages, applications, and standard sizes. Learn how they improve cable

The work covered under this section consists of the furnishing of all necessary labor, supervision, materials, equipment, tests and

CONCENTRATED STATIC LOADS: Some applications may require the cable tray to support the weight of a single, dead object in

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

CABLE TRAY SPECIFICATIONS Cable Tray Design & Manufacture Niedax's Cable Tray systems are designed and manufactured

Many electrical systems employ cable trays. They route cables safely & efficiently. NEC defines minimum cable tray

The document describes specifications for different types of cable trays, including outside returned flanged

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