Galvanized Cable Tray Specifications and Weight Table



Overview

This document contains details of galvanized iron perforated cable trays including tray size, color, thickness, tray length, weight of individual trays, total weight, quantity and volume.

Key Takeaways

Galvanized cable trays are available in various widths, depths, and load capacities, with weight depending on tray type and gauge, typically ranging from 2. 5 to 12 kg/m for standard ladder trays.

Material and Finish

Galvanized cable trays are typically made from hot-dip galvanized steel or pre-galvanized steel, providing corrosion resistance suitable for indoor and outdoor installations. The trays comply with NEMA VE 1 standards and are UL listed for electrical safety. Accessories such as splice plates, bolts, nuts, and washers are included for complete assembly.

Common Tray Types

Ladder Type: Two longitudinal side rails with transverse rungs welded to the rails. Suitable for heavy-duty applications and long spans. Wire Mesh (Basket) Type: Flexible, lightweight, and ideal for evolving wiring needs.

Supports power, data, and AV cables. Solid Bottom Type: Provides full support for sensitive cables and prevents dust accumulation.

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Typical Dimensions and Weight

The weight of galvanized cable trays varies with width, depth, and gauge. Standard ladder tray examples include: Tray Width (mm)Tray Depth (mm)GaugeApprox. Weight (kg/m)10050162.

515050163. 220050144. 530075146.

8400100129. 56001501212Note: Weights are approximate and may vary depending on manufacturer and tray design. Continuous span deflection and load ratings should be verified according to project requirements.

Performance and Installation

Designed for continuous spans with support at intervals specified by the manufacturer. Can be installed using M6 bolts for couplers and connection to supporting frameworks. Suitable for indoor, outdoor, and industrial environments, with corrosion resistance enhanced by galvanization.

Compliant with NFPA 70, UL, and NEMA standards for safety and grounding.

Accessories

Splice plates, couplers, and brackets for connecting sections. Covers and dividers for cable segregation. Grounding and bonding kits to meet electrical code requirements.

Galvanized cable trays provide a durable, flexible, and code-compliant solution for routing electrical and communication cables in commercial and industrial installations. Proper selection of tray type, width, depth, and gauge ensures structural integrity and long-term performance.

Article Content

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian Electrical Code, Part I and the National Electrical Code®

Cable Tray Weight and Size Details

This document contains details of galvanized iron perforated cable trays including tray size, color, thickness, tray length, weight of individual trays, total weight, quantity and volume.

Galvanised Cable Tray Specifications | PDF

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Dimension and weight information is provided for each tray type in a table. Load testing results are summarized showing maximum safe load ratings for different

Product Specifications: CABLE TRAY

FDG CABLE TRAY ng; Power, Data, and Audio Visual. A quick and easy system to install without the need for specialised tools or equipment, makes it a first choice for Comm solution that works for your

Metallic Cable Tray | PDF Catalogues | ABB Electrification Canada

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

Cable tray weight and VGM calculate

For accurate results, use our cable tray weight calculator which considers tray dimensions, material type, and coating specifications. The calculation accounts for side rails, rungs, and cross-bars

Cable Tray Technical Guide A practical guide to product selection and ...

Cable tray is considered to be a system. It must provide continuous support for cables, and the electrical continuity of the cable tray system must be maintained.

B-Line series pan tray catalog

Eaton''s B-Line Business reserves the right to make changes to the specifications, materials, equipment, prices, or the availability of products at any time without prior notice.

CABLE TRAY

The FDG Tray System can be easily modified and adapted to accommodate changes in cable configurations, making it a highly versatile solution for projects of all sizes. It also allows for

ETT Series Wire Mesh Cable Trays

About this product Cable trays are systems used for the safe transportation and protection of electrical cables, designed to fit the pathways within buildings and structural installations. Type | Wire Type

EN Series Standard Type Cable Trays

About this product “Technical Information” and “Loading Diagrams” about EN Series Standard Type Cable Trays are declared in the attached “Technical Catalog”. The data declared in the Technical

Hot-dip galvanized steel cable trays | Technical guide for demanding ...

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Learn when to choose hot-dip galvanized steel cable trays according to EN ISO 1461: advantages, recommended environments and key design criteria for long-lasting installations.

Choose Galvanized Steel Cable Diameter for Projects

Learn how to choose the right galvanized steel cable diameter with load charts, strength calculations, and practical engineering tips for safe applications.

Cable Tray Weight Calculator | Steel, SS & Aluminum

Use this reference table to quickly identify approximate weights per meter for various standard cable tray configurations. Sizing assumes standard industrial designs in galvanized steel and aluminum.

ECO Series Economic Cable Trays

About this product “Technical Information” and “Loading Diagrams” about ECO Series Economic Cable Trays are declared in the attached “Technical Catalog”. The data declared in the Technical Catalog

What is Cable Tray and How it is used in Industrial applications?

A perforated cable tray gives enough support to cables because this tray comprises ventilated bottom with side rails. Perforated cable provides maximum strength for heavy-duty power

Smart Cable Tray Covers: A Buyer''s Guide to Material,

Explore cable tray cover types, materials & standards to optimize safety and system ROI. Read more in our expert guide.

Cable Tray Technical Guide A practical guide to product selection and ...

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray characteristics, installation, and

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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