

Weight per meter of hot-dip galvanized cable tray



AI Overview

The weight per meter of hot-dip galvanized cable trays varies by series, width, and perforation, typically ranging from 5 to 25 kg/m depending on the tray type and thickness. Factors Affecting Weight

Tray Series and Size: Common series include 40, 50, 60, 75, and 100, with higher series numbers generally indicating larger and heavier trays.

Perforation Type: Perforated trays are slightly lighter than solid trays due to the material removed for holes, but the difference is usually minor compared to overall tray thickness.

Material Thickness: Hot-dip galvanized steel thickness directly affects weight. Standard thicknesses range from 1.5 mm to 3 mm for heavy-duty applications.

Width of Tray: Wider trays carry more material and therefore weigh more per meter. Typical widths range from 100 mm to 600 mm or more.

Approximate Weight Ranges

Series	Perforation Type	Approximate Weight Range (kg/m)
40	Perforated	~5-8
50	Perforated	~7-10
60	Perforated	~10-15
75	Perforated	~15-20
100	Solid or Perforated	~20-25

These values are approximate and can vary $\pm 10\%$ depending on manufacturer tolerances, coating thickness, and specific design.

Practical Considerations

Standard cable tray lengths are 3 meters, so total weight can be estimated by multiplying the weight per meter by 3. For structural calculations, always consider the maximum expected weight including cables and any environmental loads.

Hot-dip galvanization adds a thin zinc coating, which slightly increases the weight compared to pre-galvanized trays. By consulting the manufacturer's datasheet for the specific series and width, you can obtain the exact weight per meter for precise engineering calculations.

Article Content

Cable Tray Technical Specifications | PDF

Key details include the cable trays being made of hot dip galvanized MS sheet,

Cable Tray Technical Specifications | PDF

The document provides a technical data sheet for cable trays including ladder and perforated types. It lists specifications for material, thickness, dimensions,

40X6mm Hot Dip Galvanized Earthing Strip

Product Overview We offer a high-quality 40X6mm Hot Dip Galvanized Earthing Strip made of Mild Steel (MS) with a length ranging from 3 meters to 6 meters. This strip has a width of 40mm and a thickness

2mm GI Ladder Type Cable Tray

Rek Industries Pvt Ltd is listed in Trade India's list of verified sellers offering supreme quality of 1.6mm GI Ladder Type Cable Tray, 100 mm Hot dip Galvanized Perforated Cable Trays, 100mm GI

Hot Dip Galvanised Trunking

Custom Hot Dip Galvanised Trunking for Sale. Contact JLH Electric For Quality Cable Tray In Custom Thickness And Size In Bulk Order At Best Factory Price.

Cable Trays

Weight (kg/m) = Material Density (kg/m³) × Tray Thickness (m) × Width (m) × Length (m). This formula allows you to easily calculate the weight of the cable tray per

HOT-DIP GALVANIZED CABLE TRAYS

HOT-DIP GALVANIZED CABLE TRAYS H HUFE CABLE TRAYS; USED WITH HM SERIES MODULES.PLEASE CHECK ACCESSORIES PAGE. Below Accessories should be used for

Hot-Dip Galvanized vs. Aluminum | Cable Tray Institute

One of the most important choices when designing a cable tray system for corrosive or outdoor environments is the material. Steel cable tray with a Hot-Dip Galvanized after Fabrication (ASTM

Cable tray weight and VGM calculate

We use these standard densities: Hot-dip galvanized steel – 7850 kg/m³, Stainless steel 304 – 7930 kg/m³, Aluminum 6063 – 2700 kg/m³. These cable tray material

ET CABLE TRAY

600 12/3m ET3600G A 12.7/3m ET3600H A (MTO). Supplied in 3m lengths. See pages 50-51 for assembly instructions for ET Cable Tray. Fasteners required for installation. Order codes SBH & CNH.

Cable Tray Sizes and Weights Chart

The document provides pricing information for ladder cable tray and perforated

Cable Trays

Heavy Duty Cable Tray Systems Heavy duty cable trays and cable ladders are manufactured from pre-galvanized or hot-dipped galvanized sheet metal,

TECHNICAL AND SIZING DATA

Calculate the total cable weight per foot, including any future requirements. To select a suitable tray this cable weight should be rounded off to the next higher CSA class.

Avoiding Mistakes in Instrumentation Cable Tray

Learn how to avoid common mistakes in instrumentation cable tray installation. Follow IEC standards and EPC best practices for safe, reliable

The Engineering ToolBox

The site includes resources for common engineering tasks, such as calculating physical properties (e.g., density, viscosity, thermal conductivity), converting units, and designing systems like heating and

Hot Dip Galvanized Cable Tray at Best Price

Discover high-quality Hot Dip Galvanized Cable Trays with excellent corrosion resistance and fire protective properties. Designed for industrial wiring, cable

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

12-SDMS-06

Carbon steel cable trays intended for installation in corrosive or highly corrosive environments with severe alkaline and acidic conditions shall be hot-dip galvanized zinc after fabrication.

Cable Tray Weight Chart: Accurate Per Meter Weights

Need the cable tray weight chart? Find accurate per-meter weights for steel, aluminum, and FRP trays. Click to explore reliable data for your project needs.

Cable Trays Market Size, Share, Growth, Analysis, 2034

The North America cable tray market accounted for a share of 39.5% in 2025. The Asia Pacific cable tray market is expected to grow at a CAGR of 6.8% during the forecast period. By

B-Line series pan tray catalog

Solid flanged covers should be used when maximum enclosure of the cable is desired and no accumulation of heat is expected. Louvered flanged covers should be used when heat dissipation is

80mm Gi Perforated Cable Trays

Rek Industries Pvt Ltd is listed in Trade India's list of verified sellers offering supreme quality of 1.6mm GI Ladder Type Cable Tray, 100 mm Hot dip Galvanized Perforated Cable Trays, 100mm GI

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://energy-powertools.eu>

Email: info@energy-powertools.eu

Phone: +49 172 6389472

Address: Musterstraße 12, 10115 Berlin, Germany

This document is for informational purposes only. Specifications subject to change without notice.

