

How much does galvanized cable tray weigh per meter



Article Overview

The weight of galvanized steel cable trays typically ranges from 5 to 30 kg per meter, depending on tray type, width, side height, and perforation.

Typical Weight Ranges

- Ladder trays: 8–28 kg/m for standard widths (100–600 mm) and rung spacing of 200–300 mm, depending on side rail height and thickness .
- Perforated trays: 5–20 kg/m, as perforations reduce metal volume by 15–30% compared to solid trays .
- Solid-bottom trays: Heavier than perforated trays, typically 10–30 kg/m for similar dimensions .
- Hot-dip galvanized coating: Adds approximately 0.8–1.5 kg/m², increasing total tray weight by 2–4% .

Factors Affecting Weight

- Tray Dimensions: Wider trays and taller side rails increase the metal volume, raising the weight per meter .
- Material Density: Galvanized steel is generally taken as 7,850 kg/m³ for calculations .
- Rung Spacing: Closer rung spacing increases ladder tray weight; typical spacing is 200–300 mm .
- Perforation Pattern: Perforated trays reduce weight while maintaining structural strength .

Article Content

Nov 23, 2025

Cable Tray Weight Specifications

The document provides reference material on cable tray weights for different tray series and configurations. It lists the weights of

Apr 09, 2026

Cable Trays

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

Nov 02, 2025

Cable Tray Load Calculation and Sizing: Your Easy Guide

Worried about cable tray capacity? Learn simple cable tray load calculation steps. This guide helps you pick the right

Dec 06, 2025

CABLE TRAY SYSTEMS GUIDE

The total load supported by the cable tray, uniformly distributed. This will be the combined weight of all of the cables or tray contents,

May 02, 2026

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

May 15, 2026

Product Specifications: CABLE TRAY

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

Oct 15, 2025

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.

Jul 09, 2026

TECHNICAL AND SIZING DATA

The latter expressed as kilograms per meter must include: total cable weight, accessories, and covers as well as any outdoor factors

May 16, 2026

Cable Weight Per Meter Calculator

Calculate cable weight from length and weight per meter, or estimate total weight by cable size, material, core count,

Jan 20, 2026

Cable Tray Size and Weight Chart

It lists the cable types, sizes, and quantities for each area. It then calculates the total cable outside diameter, weight per meter, and

Jul 29, 2025

Wire Weight Calculator | Cable Weight Tool

Calculate electrical wire weight for copper and aluminum conductors. Free tool for cable tray loading and shipping estimates.

Nov 28, 2025

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

Jun 17, 2026

Wire Weight Calculator, Cable Weight per Foot/Meter

But weight is a real engineering constraint that affects load calculations for cable trays, structural support for vertical risers, shipping

Jan 19, 2026

Cable Tray Weight Calculator

Compute tray weight from dimensions, thickness, and material density. Include covers, perforation, joints, and safety factor options.

Jul 18, 2026

Calculating cable tray weights and support requirements

I recently came across a situation where there were several large cables (42 500MCM cables) being run in a single

Apr 01, 2026

Cable Tray Weight Chart 2026: Load Capacity Guide

Find accurate cable tray weight chart data for 2026. Learn load capacity by size, material, and application. Click to

Sep 29, 2025

Cable Tray Sizes and Weights Chart

The document provides pricing information for ladder cable tray and perforated cable tray in Indian rupees per meter for various tray

Nov 04, 2025

Cable Tray Price List | Electrical Works

Cable tray are used in wiring of buildings to support electrical cables and wires that are used to distribute power,

Apr 19, 2026

Hot-Dip Galvanized vs. Aluminum | Cable Tray Institute

Most people know of aluminum's superior strength-to-weight ratio. For example, a 36" wide, 24-foot section of ladder cable tray with

Jul 27, 2026

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

Mar 14, 2026

Cable tray weight and VGM calculate

We calculate cable tray weight using the formula: $\text{Volume} \times \text{Material Density}$. For accurate results, use our cable tray weight

Sep 09, 2025

B-Line series pan tray catalog

For approximate solid cable tray weights multiply above steel and aluminum weights by 1.064 NA = Not Available

Oct 27, 2025

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

Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been

Apr 03, 2026

Cable Tray Installation Cost per Meter – Price Estimator

How Much Does a 300mm Cable Tray Weigh Per Meter? The weight of a 300mm cable tray per meter can vary

Contact Us

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

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

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

