

Steel cable tray specifications and dimensions

Article Overview

Steel cable trays are available in ladder, solid-bottom, and channel types, with widths from 50 mm to 1000 mm, depths from 25 mm to 300 mm, and lengths typically 2-6 meters, conforming to ASTM, NEMA, and NEC standards.

Types of Steel Cable Trays

- Ladder Type: Consists of two longitudinal side rails with transverse rungs welded at intervals, typically 6, 9, or 12 inches apart, providing maximum ventilation and support for heavy power cables .
- Solid-Bottom Type: Features a continuous steel sheet welded to side rails, offering added protection for sensitive cables .
- Channel Type: U-shaped or C-shaped trays suitable for smaller cable runs or support of single circuits .

Material Standards

- Pre-Galvanized Steel: Structural quality steel, mill galvanized per ASTM A653 G90, with covers hot-dip galvanized after fabrication .
- Stainless Steel: AISI Type 304 or 316, with rungs welded using Type 316 welding wire for corrosion resistance .
- Coatings: Hot-dip galvanization (ASTM A123) or electrodeposited zinc (ASTM B633) for durability and corrosion protection



Article Content

Aug 28, 2025

Full cable tray systems specification document

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

Nov 18, 2025

Types of Cable Trays – Advantages, Applications and Sizes

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

May 30, 2026

Wire Mesh Cable Trays Technical Information Detailed, Material ...

Wire Mesh Cable Tray Detailed Information: a. A job site, field adaptable support system primarily for low voltage telecommunication

Aug 13, 2025

GUIDE CABLE TRAYS TECHNICAL

This standard specifies the requirements and test methods for cable trays, cable ladders, supports and their accessories to ensure

Sep 15, 2025

Cable Tray Specifications and Sizes | PDF | Sheet Metal | Galvanization

The data sheet provides specifications for standard cable trays and accessories. Standard cable trays are 2.5 meters in length with a

May 14, 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

Jul 20, 2026

Cable Tray Dimensions Guide: Standard Sizes, Tray Types & Sizing

Standard Cable Tray Dimensions Cable tray dimensions are not chosen at random. Across most global markets, they

Aug 23, 2025

Cable Tray Systems | Cable Management Trays | Metsec

Our Cable Tray Systems and cable management trays offer high quality steel and galvanised steel solutions for the mechanical and

Sep 08, 2025

Cable Tray Specifications and Sizes

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

Mar 05, 2026

Resources for Cable tray and ladder systems

Submittals for cable ladder and tray Eaton's submittal builder tool for B-Line series cable ladder and tray allows you to easily filter,

Mar 16, 2026

26 05 36 Cable Trays for Electrical Systems

Description: This product category covers metal cable trays and metal cable tray systems intended for field assembly and for use in

Aug 10, 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

Mar 28, 2026

CABLE TRAY SYSTEMS GUIDE

The Ladder Tray features light, rugged, tubular steel construction. It is designed for mechanical support and strain relief in long runs

Aug 29, 2025

B-Line series Cable Tray Design Considerations

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market

Jun 16, 2026

CABLE TRAY

SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket trays, trunkings

Mar 24, 2026

Cable Tray Dimensions Guide: Standard Sizes, Tray Types & Sizing

Explore standard sizes by tray type, understand width and depth limits, and see how to calculate and choose compliant

May 01, 2026

U-LI Steel Cable Tray Catalogue | PDF | Screw | Length

The document describes United U-LI Steel Surface Cable Tray and Accessories. It provides details on the product range which

Nov 20, 2025

Niedax, Kleinhuis & Fintech

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

Aug 05, 2025

Steel cable tray

The flexible coupler provides easy installation without measuring and cutting cable tray side rails. Once installed, the coupler allows

Jun 11, 2026

Cable Tray Standards | Cable Management | Metsec

6.5.2 Metsec cable tray systems are made of steel with metallic finishes or stainless steel (Resistance to

Oct 21, 2025

Cable Tray Specifications and Sizes

The data sheet provides specifications for standard cable trays and accessories. Standard cable trays are 2.5 meters in length with a

Sep 15, 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

Oct 20, 2025

Series 1 to 5 Aluminum and Steel

Eaton's B-Line series cable tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor

Dec 23, 2025

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,

May 21, 2026

Niedax Cable Tray

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

Mar 06, 2026

Cable Tray Dimensions and Specifications as per NEC

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

Feb 13, 2026

STANDARD PERFORATED CABLE TRAY

Coupler Plate Used to join two cable trays in a straight line, ensuring proper alignment and structural continuity.

Contact Us

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

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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

