

Vertical Shaft Cable Tray Specifications and Dimensions



Article Overview

Vertical shaft cable trays typically follow standard widths of 6 to 48 inches and depths of 2 to 12 inches, with rung spacing and material thickness selected based on cable load and type.

Standard Widths and Depths

Vertical cable trays, often ladder or perforated types, are manufactured in nominal widths ranging from 6 inches to 48 inches. Common widths include 6, 9, 12, 18, 24, 30, 36, 42, and 48 inches, with the inside usable width slightly smaller than the outside dimension due to side rail thickness. The depth (side rail height) typically ranges from 2 inches to 12 inches, controlling vertical stacking capacity and influencing heat dissipation and NEC fill compliance. Increasing depth does not always increase usable capacity efficiently; often, increasing width provides better airflow and easier cable pulling.

Rung Spacing

For ladder-type vertical trays, rung spacing is critical to support cables and prevent sagging. Standard rung spacings are 6, 9, 12, or 18 inches, with smaller spacings recommended for small-diameter control and instrumentation cables, and wider spacings for large power cables.

Material Thickness...

Article Content

Sep 29, 2025

Cable Tray Size and Dimensions: How to Choose the Right Fit for

Learn how to calculate the perfect cable tray size and dimensions for your electrical project. This guide covers load

Dec 28, 2025

LEGRAND CABLE TRAYS TECHNICAL GUIDE

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules

Aug 05, 2025

CABLE TRAY

Cable Support Systems are well designed to provide necessary support for cable trays, cable ladders and trunkings. Cable supports

Jun 02, 2026

Steel cable tray

The maximum open spacings between cable support surfaces of transverse elements do not exceed 102 mm (4 in.) in the direction

Oct 13, 2025

CableTray Book English

Tray covers are available for all widths of tray. They should be installed where falling objects may damage cables or where vertical

Aug 13, 2025

CABLE TRAY SYSTEMS

All design characteristics, specifications, tolerances and similar information are subject to change without notice.

Jan 10, 2026

Niedax Cable Tray

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

Sep 03, 2025

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

Sep 21, 2025

Cable Tray Design and Components Guide

This document provides information about cable trays and accessories, including straight cable trays, perforated trays, returned edge

Oct 09, 2025

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

Oct 20, 2025

CABLE TRAY SYSTEMS GUIDE

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads.

Jul 01, 2026

POWER CABLE INSTALLATION GUIDE

POWER CABLE INSTALLATION GUIDE ... POWER CABLE INSTALLATION GUIDE Cables installed into conduits or trays have

May 06, 2026

Cable Tray Width, Dimensions and Specifications as per NEC

Learn about cable tray width dimensions and specifications as per NEC standards. Understand types, sizes, materials, and

Apr 22, 2026

SWIFTS CABLE TRAY

With the new Swiftclip, lengths and fittings of Swifts cable tray can be fitted without the use of specialist tools - making it even

Oct 18, 2025

Cable Trays

SRA Solutions Cable Trays provide secure, configurable vertical cable management in either Commercial or SCEC racks.

Aug 17, 2025

Full cable tray systems specification document

The drawings which constitute a part of these specifications indicate the general route of the cable tray systems. Data presented on

Mar 29, 2026

Best Practice Guide to Cable Ladder and Cable Tray Systems

These guidelines will be particularly useful for the design, specification, procurement, installation and maintenance of these systems.

Aug 11, 2025

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

Feb 20, 2026

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

Nov 19, 2025

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

Jan 25, 2026

CABLE TRAY INSTITUTE

The Cable Tray Institute (CTI) was founded in 1991 to support the cable tray industry by engaging in research, development,

Sep 06, 2025

Vertical Cable Ladders

The STL, STM and STIC vertical cable ladders meet the exact specifications of DIN 4102 Part 12, such as the rail height and the

Jun 26, 2026

12-SDMS-06

Cable tray supports shall have a maximum of 6 m spacing on horizontal run and 2.4 m spacing on the vertical runs. However, when

May 23, 2026

SECTION 260536

Include scaled cable tray layout and relationships between components and adjacent structural, electrical, and mechanical elements.

Nov 06, 2025

CABLE TRAY, CABLE LADDER, CABLE TRUNKING CATALOGUE

Fitting and accessories. Fittings are accessories that connect this cable tray to another cable tray to change direction with the

Jul 02, 2026

KwikRail cable tray specification Document

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

Feb 02, 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

Feb 27, 2026

cable tray system

A cable tray system is an assembly of metallic cable tray sections and accessories, that forms a rigid structural system

Nov 03, 2025

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

Contact Us

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