

Cable tray specifications 500



Article Overview

A 500 cable tray typically refers to a tray with a 500 mm width, designed for supporting electrical cables in industrial and commercial installations, meeting UL, NEMA, and NEC standards.

General Specifications

Width and Dimensions: A 500 cable tray usually has a width of 500 mm, with varying heights depending on the type (ladder, ventilated, or solid-bottom). Lengths are commonly available in 3 m or 6 m sections, with side rails designed for structural strength . **Material and Finish:** Cable trays are commonly made from steel, stainless steel, or aluminum, with finishes such as galvanized, powder-coated, or PVC-coated to resist corrosion and environmental exposure . Steel trays often conform to ASTM A123 and ISO 1461 standards for hot-dip galvanization . **Load Capacity:** Load ratings depend on tray type, span, and material. Ladder-type trays provide high load capacity and allow easy cable installation, while perforated or solid-bottom trays are suitable for lighter loads or sensitive cables . **Standards Compliance:** 500 cable trays are designed to comply with UL 568, NEMA VE 1-2017, and NEC (NFPA 70) requirements for metal cable tray systems . CE marking may apply for European installations, ensuring compliance with relevant directives . **Installation Guidelines:** Trays can be installed in cable trays, supported by messenger wire, in open air, raceways, channels, conduits, or ducts. Proper spacing of supports and adherence to maximum load and temperature ratings is critical for safety . **Accessories** such as bends, tees, reducers, and covers are available to accommodate routing and protection needs . **Environmental Ratings:** Cable trays are rated for ambient temperatures up to 30°C and can be used in wet or dry conditions depending on ins...

Article Content

Apr 14, 2026

Specifications Cable Cubby® 500

NOTE: *The UL listing is only valid when the Cable Cubby contains the US AC power module NOTE: Specifications are subject to

Jul 20, 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

Jan 02, 2026

Flextray wire basket section of NEMA cable tray

The Flextray™ system is a flexible, field-adaptable way to manage cables throughout your project. The tray can be cut and bent to

Apr 07, 2026

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

Jun 09, 2026

Legrand PVC Cable Tray Perforated 500mm x 100mm x 3m Length

Legrand PVC Cable Tray Perforated 500mm x 100mm x 3m Length REF. 637931 EAN. 3414970028648 Download product sheet

Jan 09, 2026

Cable Tray and Reels | Wire and Cable Management

Fast installation with dependable support. Everything you need to build a cable management system, including Cablofil wire mesh

Jul 29, 2025

Cable Tray Design and Components Guide

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

Dec 05, 2025

Tray Cable UL Type TC / TC-ER – 600V

Tray Cable UL Type TC / TC-ER – 600V THHN/THWN-2 Insulation – with Ground – PVC Jacket APPLICATION: g circuits in

Mar 15, 2026

B-Line series pan tray catalog

Cable Tray Fittings are designed to support cables as they transition directions. Note: Perforated slot dimensions and patterns may

Jan 21, 2026

Cable Tray

Cable Tray Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and

Jul 04, 2026

Product Catalogue Cable Management Solutions

Cable ladder is a more reliable, less expensive solution for supporting cable, which is easier to maintain, proves more adaptable to

Jul 10, 2026

Niedax Cable Tray

50 mm 100 mm 400 mm 500 mm 750 mm All are in CABLE TRAY SPECIFICATIONS
Cable Tray Design & Manufacture Niedax's

Jan 30, 2026

CABLE TRAY SYSTEMS GUIDE

CONCENTRATED STATIC LOADS: Some applications may require the cable tray to support the weight of a single, dead object in

Sep 12, 2025

Cablofil Cable Management | Legrand

Build a cable management system with Cablofil wire mesh cable tray, ladder cable tray, prefab assemblies for branch circuit wiring,

Dec 12, 2025

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,

Jan 21, 2026

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

Feb 03, 2026

Tray Cable UL Type TC / TC-ER - 600V

nsulation - with Ground - PVC Jacket APPLICATION: Primarily used for power, control, signal, communication, and lighti. g circuits

May 09, 2026

Cable tray manual

INTRODUCTION The B-Line series Cable Tray Manual was produced by our technical staff. We recognize the need for a complete

Sep 04, 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

Jun 24, 2026

Cable tray

In the electrical wiring of buildings, a cable tray system is used to support insulated electrical cables used for power distribution,

Apr 18, 2026

XHHW-2 Conductors - with Ground - PVC Ja

cuits in commercial and industrial environments. Suitable for installation in cable trays, supported by messenger in pen air, raceways,

Nov 27, 2025

Tray Cables

Tray cables are used in control and power applications in chemical plants, steel mills, industrial plants, utility substations and

Dec 15, 2025

Cable Tray Width, Dimensions and Specifications as per NEC

Cable Tray Width, Dimensions and Specifications as per NEC Learn about cable tray width dimensions and specifications as per

Jun 21, 2026

CABLE TRAY SYSTEM

One-Piece Cable Tray Specifications: A. CABLE TRAY DESIGN Cable Tray shall be made of straight sections, fittings and

Feb 07, 2026

RECOMMENDED SPECIFICATIONS OF JUNCTION BOX AND CABLE TRAY

Basic requirements for some aspects of the E& I components (e.g., cable tray and junction box) can be found in the ABS Rules for

Jul 10, 2026

Cable Tray and Ladder | PDF

The document contains specifications for cable ladder and tray systems including dimensions, materials, and part numbers. It lists

Jun 06, 2026

cable tray technical specifications cable tray

to cables when correctly inserted. Screwed connections are generally isometric threads fully compliant with ests in accordance of the

Jul 06, 2026

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

Wire Mesh Cable Tray Installation Notice: Bends, Risers, T Junctions, Crosses and Reducers can be made from wire mesh cable

Dec 19, 2025

Niedax Cable Tray

Due to its unique composition it offers a self healing property on cut edges. HRCA (Hot Rolled and Close Annealed): Trays are made

May 10, 2026

Cable tray manual

These documents: ANSI/NEMA VE-1, Metal Cable Tray Systems; NEMA VE-2, Cable Tray Installation Guidelines; and NEMA FG-1,

Contact Us

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