

Specifications and Models of Aluminum Cable Trays



Article Overview

Aluminum cable trays are lightweight, corrosion-resistant systems designed for safe cable management, available in ladder, ventilated, and solid-bottom models with high load capacity and easy installation.

Key Specifications

- **Material and Construction:** Aluminum cable trays are made from high-strength aluminum alloys, offering lightweight yet durable support for electrical and data cables. They resist corrosion, do not rust, and are suitable for indoor and outdoor applications, including harsh environments and saltwater exposure .
- **Load Capacity:** Standard aluminum trays support concentrated loads of up to 200 lb on any portion of the tray, with high load resistance in ladder models for dense cable transitions .
- **Design Features:**
 - **Cable Ladder:** Features welded transverse rungs for structural integrity, allowing heavy cable loads and easy cable tie installation .
 - **Ventilated Tray:** Includes openings in the bottom to allow airflow, preventing cable overheating and supporting up to 75% of the plan area .
 - **Solid-Bottom Tray:** Provides a continuous support surface without ventilation openings, suitable for sensitive or heavy cables .
- **Dimensions:** Maximum open spacing between rungs or transverse elements is typically 102 mm (4 in.), ensuring proper cable support

Article Content

Nov 16, 2025

Cablofil Cable Management | Legrand

Cablofil® Products Cablofil is the global gold standard for total cable management. Explore the one-stop shop for innovative, fast,

Mar 31, 2026

26 05 36 Cable Trays for Electrical Systems

Eaton B-Line series Engineer-approved equal METAL CABLE TRAYS Description: This product category covers metal cable trays

Mar 31, 2026

Cable Tray Specifications and Guidelines

This document provides general guidelines for cable trays and their installation. It discusses the different types of

Mar 10, 2026

Aluminium Cable Trays | EAE Electric

The aluminium cable tray weighs approximately half as much as its steel equivalent. Aluminum cable trays

May 01, 2026

Cable tray

Common cable trays are made of galvanized steel, stainless steel, aluminum, or glass-fiber reinforced plastic. The material for a

Sep 06, 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

Nov 12, 2025

Aluminum Cable Tray Specifications | PDF | Mechanical Engineering

The document provides detailed specifications for aluminum cable trays, including features, accessories, material compliance, and

Aug 04, 2025

Aluminum Cable Ladder Specifications | PDF | Screw | Length

The document discusses aluminum cable ladder products from series 2, 3, 4, and 5. It provides information on straight sections,

Jul 29, 2025

CableTray Book English

Solid trough Fabricated from one sheet to form a continuous one-piece tray design
Available in aluminum, pregalvanized steel, hot

Dec 24, 2025

Tray Cable | Tray Cable Inventory for Industrial Use

We provide flexible installation options, including single and multi-conductor tray cables that can be installed in free air, raceways, or

Sep 05, 2025

CableTray Book English

All calculations and data are based on 36 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple

Jul 15, 2026

PRODUCT BROCHURE T& B® Cable Tray Specialty aluminum solutions

Technical specifications Load ratings: 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any

Dec 05, 2025

Full cable tray systems specification document

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

Nov 01, 2025

Aluminum Cable Tray | EAE USA

The aluminum cable tray is a lightweight, durable, and cost-effective solution used for organizing and safely carrying electrical and

Apr 12, 2026

CableTray Book English

Aluminum cable tray Straight lengths — Tray bottom types: ladder, ventilated and solid trough Ladder Extra wide aluminum rungs

Nov 14, 2025

KwikRail Aluminum Cable Tray

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

May 27, 2026

Aluminium Cable Tray Manufacturers | Lightweight

We offer a wide variety of aluminum cable trays in different designs and sizes to

May 29, 2026

Flextray wire mesh basket | Instrumentation and signal

Flextray wire mesh basket is ideal for commercial and data center cable management, providing a flexible

Dec 30, 2025

653 Series Snake Tray Aluminum Cable Tray | Snake Tray

The 653 Series Aluminum Cable Tray is a ultralight weight, high capacity cable tray system designed to accommodate customer"s

Nov 12, 2025

Aluminum Cable Tray, Series 2, 3, 4 & 5

Series 2, 3, 4, & 5 - Fittings EatonL-1B-Line series Cable Tray Systems How The Service Advisor Works We know that your time is

Oct 19, 2025

Microsoft Word

Anodized aluminium cable tray upto and including 300mm width shall be used for all units except DM plant & SRU plant and

Jan 16, 2026

Cable tray

ABB designs and manufactures cable tray systems, including perforated tray, cable ladder, channel tray and strut (metal framing).

Sep 26, 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

May 19, 2026

Aluminium Cable Trays | EAE Electric

The aluminum cable tray is a lightweight, durable, and cost-effective solution used for organizing and safely

Apr 23, 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

Mar 17, 2026

Type of Cable Tray

Cable Tray Materials: Most cable tray systems are fabricated from a corrosion-resistant metal (low-carbon steel, stainless steel or an

Aug 02, 2025

Microsoft Word

The specification covers the minimum requirements of supply of Perforated Anodized Aluminium Cable Trays, Cover, Coupler plate

Mar 19, 2026

Wiring Basket Design and Cable Management Specification Center ...

Resources for wire basket tray system installations Our wire basket tray models, videos, and literature help you plan and specify

Contact Us

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