

Aluminum-Magnesium Cable Tray Models and Specifications



AI Overview

Aluminum-Magnesium cable trays are lightweight, corrosion-resistant systems designed for high-capacity cable management, available in ladder, ventilated, and wire basket configurations with UL, NEMA, and CSA certifications. Material and Construction Aluminum-Magnesium cable trays are made from aluminum alloys with magnesium, providing high strength-to-weight ratio, corrosion resistance, and ease of installation compared to steel trays. They are suitable for indoor and outdoor applications, including industrial, commercial, and marine environments. Edges and welds are typically rounded and smooth to prevent cable damage. Common Models and Configurations Ladder Type Two longitudinal side rails with transverse rungs welded to the rails. Available in heavy-duty (Series 2-5) and light-duty (NEMA 12A/12B) options. Supports high cable loads and allows air circulation for heat dissipation. Ventilated or Perforated Tray Bottom with openings for airflow, supporting up to 75% of the plan area for cable support. Maximum rung spacing typically 102 mm (4 in.) to ensure cable stability. Wire Basket Type Flexible, lightweight, and ideal for complex routing. Quick connection systems for easy assembly and modifications. Extra-Large or High-Capacity Trays Designed for large cable runs, ultralight weight, and high loading capacity. Components include straight sections, fittings, and horizontal reducers. Dimensions and Load Ratings Side rail height: 4 in. to 8 in. Loading height: 3 in. to 7 in. Safety factor: 1.5, with additional 200 lb concentrated load capacity on any portion of the tray. Rungs: Extra-wide aluminum, some reversed for top or bottom mounting of cable ties. Installation Features Snap-in splice plates for quick assembly. Lightweight design reduces labor and installation time compared to steel trays. Compatible with top or bottom cable tie mounting. Full range of fittings...

Article Content

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 spans with deflection measured at the midpoint.

KwikRail cable tray specification Document

KwikRail Aluminum Cable Tray - Specifications Section 161xx - KwikRail Cable Tray
PART 1 GENERAL 1.01 Section Includes The work covered under this section consists of the furnishing of all necessary

Aluminum Cable Tray FAQ: Selection and Technical Specifications

Aluminum cable trays have become a preferred solution for modern cable management systems due to their lightweight nature, corrosion resistance, and excellent electrical properties. However, during the

Niedax Cable Tray

Alu Zinc + Magnesium: Trays with Zinc-Aluminium-Magnesium coating are ideal for multiple engineering applications where good corrosion resistance in very aggressive environments is required. Due to its

SWIFTS CABLE TRAY

Specification data for engineering software systems As part of its ongoing commitment to customer support, Legrand's cable management ranges have been integrated into a number of plant design

Niedax, Kleinhuis & Fintech

XP605tIG XP055tIH XP105tIH 0XP155tH XP205tIH XP305tIH XP455tIH XP605tIH Alu Zinc & Magnesium AISI 304 AISI 316 AISI 316 L Powder Coated These finishes are available upon request. Cover

Aluminum Cable Tray

Aluminum Cable Tray systems are lighter than steel cable tray and Certified CSA Cable Tray, UL listed, NEMA and certified. Because of their lighter weight aluminum cable trays are easier to install than

Aluminum Cable Tray | EAE USA

Aluminum cable ladders and trays prevent cable overheating thanks to their high thermal conductivity, enhancing safety and offering an eco-friendly cable management option. With their lightweight

CABLE TRAY SYSTEMS

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

Imperial cable tray system | NEMA cable tray

Imperial cable tray and ladder Eaton's B-Line series imperial cable tray system is designed to significantly reduce support costs in commercial, industrial, oil and

Full NEMA cable tray and cable management catalog

Aluminum cable tray has excellent corrosion resistance in many chemical environments and has been used for over thirty years in petro-chemical plants and paper mills along the gulf coast from Texas to

Aluminum-Magnesium Cable Trays VS HDG Cable Trays

Explore the key differences between Aluminum-Magnesium Cable Trays VS HDG Cable Trays, including corrosion resistance, load-bearing

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, ideal for evolving wiring needs.

Cable Trays | Perforated Cable Tray Systems | RMS

Alu Zinc + Magnesium: Cable Trays with Zinc-Aluminium-Magnesium coating are ideal for multiple engineering applications where good corrosion resistance in

CableTray Book English

Aluminum cable tray Straight lengths — Tray bottom types: ladder, ventilated and solid trough Ladder Extra wide aluminum rungs are welded to extruded aluminum I-beam side rails. Every second rung is

Zinc-Aluminum-Magnesium (ZAM) Cable Tray

A corrosion-resistant cable support system manufactured from steel substrate with advanced Zn-Al-Mg alloy coating. Standard configurations include

CableTray Book English

T& B channel tray systems are fabricated from a corrosion-resistant metal (low-carbon steel, stainless steel or an aluminum alloy) or from a metal with a corrosion-resistant finish (zinc or epoxy). The

Sunway Anti-Corrosion Zinc Aluminum Magnesium Perforated Cable

The Cable Tray System is equipped with side return flanges and designed to eliminate any sharp edges. This cable tray system incorporates slot patterns, enabling efficient equipment placement and

What is Zinc-Aluminum-Magnesium Cable Tray?

Explore the features, benefits, and applications of Zinc-Aluminum-Magnesium Cable Tray. Discover why it is the ultimate solution for cable management in harsh environments with

Aluminum Cable Tray Specifications | PDF | Mechanical

The document provides detailed specifications for aluminum cable trays, including features, accessories, material compliance, and load ratings. It outlines various

Aluminium Cable Tray | Harsha Group

Harsha Group offers a range of aluminum cable trays designed to provide a lightweight and corrosion-resistant solution for cable management in various

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 important! That's why the color-coding system in this catalog is designed

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. Specifications typically require this to be applied at the midpoint of the span between

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 portion of tray (side rail, rung, etc.) above and beyond published load class.

Cable Tray System

Using Zinc, Aluminum and Magnesium coating, our cable management system is engineered to resist the harshest conditions, ensuring optimal longevity and

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 of Canadian Electrical Code, Part I and the National Electrical Code®

Contact Us

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