

Common Aluminum Alloy Ladder-Type Cable Trays



Article Overview

Aluminum ladder-type cable trays are lightweight, ventilated systems with tubular rungs, swaged connections, and compliance with UL, NEMA, and CSA standards, designed for easy cable installation and high load capacity.

Structural Design

Aluminum ladder trays consist of two side rails connected by transverse rungs, forming a ladder-like structure that provides maximum ventilation for cables and easy access for installation or maintenance . The rungs are typically tubular and connected to the side rails using a cold swaging process, which compresses the rung material around the rails without heat, ensuring superior mechanical and electrical connections . This design maintains structural integrity even in high-vibration environments.

Material and Finish

These trays are made from aluminum alloy, which is lighter than steel, making them easier to handle and install while maintaining strength . Aluminum also provides corrosion resistance, suitable for industrial and outdoor applications.

Dimensions and Rung Spacing

- Load depth: Commonly ranges from 4 inches to higher, depending on the model

Article Content

Ladder Type - GM ENGINEERS

Ladder type cable trays are a reliable, cost-effective, and durable cable management solution used in various industries. Their robust

B-Line series Cable Tray Design Considerations

Is your cable tray system optimized for safety, dependability, space and cost savings? Cable tray (or cable ladder) systems are a

Best Practice Guide to Cable Ladder and Cable Tray Systems

Introduction This publication is intended as a practical guide for the proper and safe* installation of cable ladder systems, cable tray

Aluminum Cable Tray | EAE USA

E-Line KCA AL extra heavy duty aluminum cable ladder made from 6063-T6 marine-grade alloy. I-beam design with spans up to

Ladder Trays | Cable Tray and Reels | Wire and Cable Management

Ladder Trays Ladder 3D Drawings Explore our full collection of Metallic Ladder 3D Drawings, including horizontal fittings, vertical

CableTray Book English

Extra wide aluminum rungs are welded to extruded aluminum I-beam side rails. Every second rung is reversed to allow for easy top

Aluminum Cable Tray

Aluminum Cable Tray systems are lighter than steel cable tray and Certified CSA Cable Tray, UL listed, NEMA and certified.

Aluminum Cable Tray | EAE USA

Aluminum cable ladders and trays prevent cable overheating thanks to their high thermal conductivity, enhancing safety and offering

Ladder Cable Trays

Ladder-type cable trays are a popular solution for organizing and supporting electrical cables and wiring systems in industrial,

Ladder Cable Trays | McMaster-Carr

Choose from our selection of ladder cable trays, including cable and hose trays, heavy duty open cable and hose carriers, and more.

Aluminium Ladder Type Cable Tray Explained: Key Specifications ...

When selecting a cable tray, key factors include corrosion resistance, weight, load capacity, electrical conductivity, maintenance

Cable tray

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

7" Itray Aluminum Straight Sections | Ladder Trays | Cable Tray and ...

The 7" Side Rail PW Aluminum Ladder Cable Tray supports 100 lbs over a 30 ft span, offering unmatched load capacity and strength

Cope Ladder Master Spec

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

CABLE TRAY SYSTEMS GUIDE

Steel Ladder System Hubbell's NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers

Contact Us

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