

Grenada Aluminum Alloy Cable Tray Specifications



AI Overview

Grenada Aluminum Alloy Cable Trays are typically made from 6063-T6 aluminum alloy, designed for high strength, corrosion resistance, and versatile cable management applications. Grenada cable trays use 6063-T6 aluminum alloy for both longitudinal members and transverse rungs, providing excellent corrosion resistance, mechanical strength, and lightweight properties suitable for indoor and outdoor environments . The alloy is extruded to form channels or I-beams for ladder-type trays, ensuring durability and structural integrity .

Structural Design Tray Types: Ladder, solid-bottom, and ventilated trays are available. Ladder trays feature extruded aluminum channels with welded or clinched rungs .

Rung Spacing: Transverse members (rungs) are typically spaced at 9, 12, or 18 inches to support cable loads and prevent sagging .

Rung Design: Rungs are extruded from 6063-T6 aluminum and designed to prevent moisture or contaminant accumulation .

Load Capacity: All tray sections support an additional 200 lb concentrated load beyond the published load class, with a 1.5 safety factor for standard spans .

Dimensions Longitudinal Members: Depths range from 4-1/2 to 10 inches for aluminum ladder trays .

Width: Tray widths are selected based on cable capacity requirements, commonly 12 to 42 inches .

Rung Size: Extra-wide rungs are welded to side rails, with every second rung reversed for easy cable tie or clamp installation .

Installation and Assembly Splice Connections: High-pressure bolted splice connectors with a minimum of four bolts per connector; resistance across splice connections does not exceed 330 microhms .

Fittings: Continuous arc fittings with radii of 12, 24, 36, or 48 inches maintain the same load capacity as straight sections .

Surface Finish: Smooth, rounded edges and welds prevent cable damage during ins...

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Aluminium Cable Tray | Harsha Group

Available in various sizes and configurations, Harsha Group's aluminum cable trays are suitable for different cable routing needs. Specifications : Material : Aluminum

Full cable tray systems specification document

E. ASTM A1008 - Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability. F. ASTM B633 - Specification for

CableTray Book English

All calculations and data for AH1-8 series are based on cable tray with rungs spaced on 12" centers with tray supported as simple spans with deflection measured at the midpoint.

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grenada-aluminum-alloy-series-cable-trays Manufacturer/Producer

TPC Aluminium is a specialized manufacturer of high-performance aluminum conductors, delivering reliable and precision-engineered solutions for industries such as energy transmission, cable...

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Aluminum Cable Tray FAQ: Selection and Technical Specifications

A1: Aluminum cable trays offer several significant advantages over traditional steel products: •Lightweight: Aluminum alloy is approximately one-third the density of steel, significantly reducing the

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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

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

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Aluminum Cable Ladder Specifications | PDF | Screw

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

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

Cable Tray Technical Guide A practical guide to product selection and ...

In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and any additional loading that may be applied to the cable tray system (e.g.,

Section 17.pdf

3.1 Aluminum Trough type cable tray longitudinal members shall be 4-1/2, 6, 7,8, or 10 deep extruded aluminum channels or I-Beams of 6063-T6 aluminum alloy.

Grenada aluminum alloy anti corrosion cable tray specifications ...

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Grenada Aluminum Alloy Series Cable Trays Wholesale Suppliers ...

High-performance aluminum alloy coil with lightweight (density 2.7 g/cm), excellent corrosion resistance, and good formability. Widely used in building facades, automotive body parts, electronic enclosures,

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

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Aluminium Cable Trays | EAE Electric

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

Grenada Alloy Cable Tray | MaxTools Photonics

Aluminum alloy cable tray is made of aluminum alloy through extrusion molding. Compared with stainless steel cable trays, aluminum alloy cable trays are much lighter, thus they are easy to install.

grenada-aluminum-alloy-anti-corrosion-cable-tray-specifications ...

As Emit Metal, we are one of the leading manufacturers of metal cable trays, ladders, and trunking systems in Turkey since 2004. We have a monthly production capacity of over 1000 tons. Emit...

Contact Us

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