High Alloy Cable Tray Models

Article Overview

High alloy cable trays are available in stainless steel (304/316) and aluminum alloys (AA1100, AA8011, A3105), with a wide range of straight sections, fittings, and accessories.

Material Types and Standards

High alloy cable trays are typically manufactured from:

o Stainless Steel: Grades 304 and 316, compliant with BSEN 10088-2, offering excellent corrosion resistance for industrial and outdoor applications .
o Aluminum Alloy: Grades AA1100, AA8011, and A3105, conforming to BSEN 485-1, providing lightweight, durable, and corrosion-resistant solutions .
o Coatings: Some trays include hot-dip galvanization or powder coatings to enhance durability and meet ASTM A123/ISO 1461 standards .

Tray Types

High alloy cable trays are available in multiple configurations:

o Ladder Type: Open rungs for maximum ventilation and heat dissipation.
o Perforated Tray: Solid bottom with perforations for cable support and airflow.
o Solid Bottom Tray: Provides full protection for sensitive cables.
o Wire Mesh Tray: Flexible, lightweight, and easy to install in complex layouts.

Standard Sizes and Dimensions

o Widths: Typically range from 50 mm to 600 mm.
o Heights: Commonly 50 mm, 70 mm, 100 mm, 120 mm.
o Lengths: Standard straight sections are available in 2 m, 3 m, and 6 m lengths, with custom lengths on request .

Fittings and Accessories

High alloy cable trays include a comprehensive set of fittings and accessories:

o Elbows: Horizontal and vertical, inside and outside.
o Tees and Crosses: For branching cable runs.
o Reducers: To transition between different tray widths.

o Covers and Clips: For protection and securing cables.
o Coupler Plates and Fasteners: For joining sections and ensuring structural integrity .

Compliance and Standards

High alloy cable trays conform to international standards:

o EN 61537-2007: Cable tray systems for electrical installations.
o UL and NEMA VE 1-2017: Safety and performance standards for metallic cable trays.
o ISO 1461 / ASTM A123: Galvanization and corrosion protection standards .

Resources for Detailed Catalogs

o Eaton B-Line Series: Offers CAD/BIM content, submittal builder, and downloadable catalogs for metallic cable trays .
o ABB T&B Cabletray: Provides over 4,000 CAD drawings and Revit models for high alloy trays and accessories .
o West-Coast Engineering Works: Supplies stainless steel and aluminum alloy trays with detailed specifications and international standard compliance . These resources allow engineers and designers to select the appropriate high alloy cable tray models, download CAD/BIM files, and ensure compliance with project requirements.

Aluminum Ladder Style Cable Tray PowerTray is a versatile Aluminum Ladder Tray system available in a broad range of NEMA and

We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation. Our cable trays are produced in

Eaton

The benefits of cable tray An evaluation of the costs and benefits of various wiring systems should be done in the design phase.

Cable trays fabricated of extruded aluminium are used for their high strength to weight ratio, superior resistance to certain corrosive

Cable trays for industrial and marine use. Includes distribution trays, cable routes and NATO-type models. Request a quote directly

High Alloy Cable Tray Models

Eaton"s B-Line Business reserves the right to make changes to the specifications, materials, equipment, prices, or the availability of

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

Discover aluminum alloy cable trays that are lightweight, corrosion-resistant, and optimize heat dissipation for safe,

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

Aluminum cable tray with high corrosive resistance performance and durable life is widely used in the corrosive and harsh

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

Explore EAE Electric"s medium and heavy-duty cable tray systems designed for optimal cable management and durability in

Steel Cable Tray systems are Certified CSA Cable Tray, UL listed, and NEMA certified and are available in the following material

In determining the proper aluminum alloy for structural applications such as a ventilated cable tray system, the design engineer

Cable Trays Cable tray is a system used to safely carry and protect electrical cables along pathways planned specifically for building

Web: https://www.in-au.co.za