High-performance aluminum alloy cable trays

Article Overview

High-quality aluminum alloy cable trays are lightweight, corrosion-resistant, and available in ladder, perforated, and channel designs suitable for industrial and commercial applications.

Key Features to Consider

o Material and Alloy: Look for trays made from 6063-T6 or 5000/6000 series aluminum alloys, which offer high strength, corrosion resistance, and durability in harsh environments .
o Design Types:
o Ladder Tray: Ideal for heavy cable loads and excellent ventilation, preventing overheating .
o Perforated Tray: Provides good ventilation and cable support for medium loads .
o Channel Tray: Suitable for branch runs or aesthetic applications, often with covers for protection .

o Load Capacity: Aluminum trays provide high load capacity while being lighter than steel, reducing installation effort and structural support requirements .
o Corrosion Resistance: Aluminum naturally resists corrosion, making it suitable for indoor, outdoor, and mildly corrosive environments such as chemical plants or coastal areas .
o Certifications: Ensure trays are UL, CSA, NEMA, or IEC certified for safety and compliance .

Recommended Products
o EAE Aluminum Cable Ladder: Offers high load capacity, lightweight design, and excellent corrosion resistance. Suitable for dense cable transitions and harsh environments .
o MP Husky Aluminum Cable Tray: Available in ladder, channel, and solid-bottom designs, made from 6063 aluminum for channels and rungs, 5052 for bottoms. Certified CSA, UL, and NEMA compliant .
o MonoSystems PowerTray Aluminum Ladder: High-strength aluminum alloy with I-beam siderails, versatile NEMA and CSA load classes, and easy installation with snap-in splice plates .
o TechLine Snap Track Channel Tray: UL-classified 6063-T6 aluminum, patented push-pin assembly for quick installation, suitable for industrial and commercial applications .
o Hengshui Aluminum Alloy Trays: Lightweight, corrosion-resistant, available in ladder, perforated, and channel designs, ideal for high-corrosion environments like power plants and chemical facilities .

Installation and Safety Tips

o Grounding: Aluminum trays require proper grounding due to high electrical conductivity .
o Rung Spacing: Ladder trays typically use 6-12 inches spacing depending on cable size and type .
o Support Systems: Most aluminum trays are compatible with standard support systems, but ensure proper brackets and fittings for long spans . By selecting trays with the right alloy, design, and certification, you can

achieve a durable, lightweight, and corrosion-resistant cable management system suitable for a wide range of industrial and commercial applications.

Aluminum and stainless steel (SS) cable trays are premium solutions for cable management in industrial, commercial, and

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

Aluminum Alloy Cable Trays: Aluminum has excellent temperature resistance and can withstand high temperatures

Durable and reliable cable tray systems providing premium performance in commercial and industrial applications, available in a

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

Need lightweight, corrosion-resistant cable management? Discover leading aluminium cable tray manufacturers for

Aluminum cable trays of NewReach are crafted from high-performance materials from durable aluminum alloys including 6063,

Eaton

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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

Increasingly, however, aluminum is becoming the material of choice for cable tray systems. In these days of shrinking construction

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Select the right materials for cable tray use at high temperatures. Eaton"s B-Line series offers guidelines on the proper cable

The HS (High Resistance) alloys used in ZnAl (Zinc Aluminum), ZnMg (Zinc Magnesium) or ZnNi (Zinc Nickel) cable trays have an

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

Aluminum, fiberglass, steel, and stainless steel are all readily available materials for cable tray manufacturing. These materials

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