Specifications of Nepal Aluminum Alloy Cable Management Frame



Overview

High-strength AAAC conductors by Janaki Cable Industry. Designed for overhead power transmission (up to 400 kV) with superior corrosion resistance and sag characteristics.

Key Takeaways

Nepal Aluminum Alloy Cable Management Frames are lightweight, corrosion-resistant, and durable solutions designed for commercial and industrial cable management applications.

Material and Construction

These cable management frames are typically made from high-strength aluminium alloys, often heat-treated (such as 6101 or 6201 grades) to enhance mechanical properties, including tensile strength and flexibility. The aluminium composition ensures excellent electrical conductivity, making them suitable for supporting heavy cable loads while minimizing strain on building structures.

Key Features

Lightweight: Easy to handle and install, reducing labor and installation time.
Corrosion Resistant: Aluminium alloy construction prevents rust and galvanic corrosion, ideal for Nepal's humid and industrial environments.

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Durable and Long-

Lasting: Designed for minimal maintenance and extended service life, even under harsh environmental conditions. Ventilation and Safety: Perforated designs allow air circulation around cables, preventing overheating and extending cable life. Aesthetic Design: Sleek, modern appearance suitable for commercial and institutional installations.

Applications

These frames are versatile and can be used in: Commercial complexesIndustrial facilitiesUnderfloor and overhead cable management systemsMedium and high-voltage transmission lines when paired with AAAC conductors Compatibility with ConductorsAluminium alloy cable frames are often used alongside All Aluminium Alloy Conductors (AAAC), which are made entirely of aluminium alloy (Al-Mg-Si) and provide high conductivity, superior corrosion resistance, and reduced maintenance. This combination ensures efficient current distribution, mechanical stability, and long-term reliability in Nepal's diverse terrain.

Local Manufacturers and Suppliers

Kiash Electricals: Supplies lightweight, corrosion-resistant aluminium trays suitable for Nepal. Hulas Steel Industries Ltd.: Offers aluminium extrusion products and frames with anodizing and powder coating for enhanced durability. Litmus Industries Ltd.: Provides aluminium conductors and cable management solutions with ISO-certified quality and advanced manufacturing technology.

These specifications make Nepal Aluminium Alloy Cable Management Frames a reliable choice for modern infrastructure projects, ensuring safety, efficiency, and long-term performance.

Article Content

AAAC Conductors in Nepal | Lightweight High-Strength

Explore technical specs, corrosion resistance, and Janaki Cable''s ISO-certified manufacturing.

AAAC Conductors in Nepal | All-Aluminum Alloy Overhead Conductors

High-strength AAAC conductors by Janaki Cable Industry. Designed for overhead power transmission (up to 400 kV) with superior corrosion resistance and sag characteristics.

Litmus | Best Wires And Cables In Nepal | Litmus Industries Ltd.

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From powering Nepal''s major transmission and distribution projects to serving international markets, Litmus delivers a diverse range of reliable overhead conductor solutions built for performance and

NB/T 10292-2019: (Aluminum alloy cable tray) (PDF English)

Aluminum alloy cable tray. This standard specifies the terms and definitions, classification and marking, requirements, test methods, inspection rules, signs, and use of aluminum alloy cable

Home | Litmus Industries Ltd.

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All Aluminum Alloy Conductors□AAAC□| NPC ELECTRIC CABLE

All Aluminum alloy (ALMELEC) electrical wire conductors are made from high-strength Aluminum-Magnesium-Silicon alloy. These conductors boast a superior strength-to-weight ratio compared to

Aluminium Cable Tray Manufacturers in Nepal

If you are looking for Aluminium Cable Tray in Nepal, despite being based in Kolkata, we supply trays to fit everything from commercial complexes to heavy industrial sites.

Nepal Cables Product Overview | PDF | Wire | Electrical Conductor

Corresponding size cable sockets are mandatory for all cables above 6 mm². Cable socket must be fixed with suitable crimping tools. All incoming and outgoing terminating points of cables in panels must be

Aluminium Conductor Power Cable ABC AAC ACSR

AAC conductor is also known as an aluminum stranded conductor. It is made of electrolytically refined aluminum with a purity of not less than and as low as 99.7%. Aluminum stranded wire is primarily

Janta Cable – Manufacturer of Cables & Conductors

Janta cable Industries (Pvt.) Ltd. better known by its brand name “JANTA CABLE” is one of the leading manufacturer of ACSR conductors, Aluminium and Copper wires and cables in Nepal.

GUIDE CABLE TRAYS TECHNICAL

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ALUMINIUM PROFILE in Nepal

Find supplier for ALUMINIUM PROFILE, aluminium profle and hardware, Kshamadevi Aluminium Profile Model No: made in Nepal. This product is

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE WORKS

He shall abide by all prevalent laws, rules and regulations governing pollution and environmental protection mitigation measure specified in the EIA/IEE, Latest Publication of ³Environmental

Top 113 Aluminium Companies in Nepal

Search results of Top 113 Aluminium Companies in Nepal, near me. Listings are verified with accurate business information.

Nepal aluminum alloy cable tray is easy to install

Aluminum alloy cable tray is extruded from aluminum alloy, with high dimensional accuracy, good strength, beautiful appearance, light weight and large load-bearing capacity. We are also one of the

A.N.S Aluminium Pvt. Ltd.

Dhiraj Thapa An outdoor living space adds functional space with zero maintenance. Aluminum is recyclable, lightweight, non-toxic, strong, durable, and fire-proof.

Nepal Electricity Authority Construction Standards

This document provides guidelines for construction standards of Nepal Electricity Authority. It outlines design criteria for electrical systems including sub-transmission circuits, primary circuits, secondary

ALUMINIUM Product

Hulas Steel Industries Ltd., Aluminium Division (formerly Agrani Aluminium Pvt Ltd), is the first Aluminium extrusion industry in Nepal. Established in 1990, its sole

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