

Article Overview

Namibian aluminum alloy cable management frames are lightweight, corrosion-resistant, and available in multiple standard widths, heights, and lengths, with customization options provided by local manufacturers like Africa Aluminium Structural Systems.

Material and Construction

Namibian cable management frames are typically fabricated from high-quality aluminum alloys, offering lightweight handling, excellent corrosion resistance, and long-term durability in industrial and commercial environments . The aluminum construction ensures easier installation compared to steel alternatives while maintaining structural integrity . Local manufacturers, such as Africa Aluminium Structural Systems, provide full-service fabrication, including custom designs, prototyping, and production to meet specific project requirements .

Standard Dimensions and Configurations

Aluminum cable trays and ladders in Namibia are available in a variety of standard widths, heights, and lengths to accommodate different cable loads and routing needs :

- o Widths: 6" (152 mm), 9" (228 mm), 12" (305 mm), 18" (457 mm), 24" (609 mm), 30" (762 mm), 36" (914 mm), 40" (1016 mm), 48" (1219 mm)
- o Heights: 4" (100 mm), 5" (127 mm), 6" (153 mm), 7" (178 mm); other heights available on request
- o Lengths: 3000 mm and 6000 mm for straight sections
- o Fittings: Horizontal tees, crosses, vertical tees, reducers, internal and external risers with standard radii of 300 mm, 600 mm, and 900 mm These configurations allow for flexible routing and load distribution in electrical installations .

Standards and Certifications

While specific Namibian standards are not explicitly listed, aluminum cable trays and ladders are generally CSA certified, UL listed, and NEMA compliant, ensuring safety and reliability in electrical installations . Local manufacturers integrate precision fabrication techniques and quality control throughout production to meet both local and regional industrial requirements .

Customization and Local Manufacturing

Africa Aluminium Structural Systems offers custom cable management solutions, including cable trays,



Namibian Aluminum Alloy Cable Management Frame Specifications

electrical enclosures, and shelving systems, with the ability to tailor dimensions, load capacities, and finishes to project specifications. Their facilities utilize advanced design software (AutoCAD, SketchUp, Revit) and skilled Namibian workforce to ensure high-quality, locally produced components.

Applications

These aluminum alloy frames are suitable for:

- o Industrial and commercial electrical installations
 - o Data centers and telecommunication cable routing
 - o Renewable energy and utility projects
 - o Environments requiring corrosion resistance and lightweight handling
- By combining standardized dimensions with local customization, Namibian aluminum cable management frames provide a versatile and durable solution for a wide range of electrical infrastructure projects.

The Aluminum Cable Ladder has a high loading capacity to manage dense cable transitions. Designed with a lightweight structural

Edelstahlbau (ESB) Namibia Edelstahlbau fabricates Stainless steel, Aluminium and Mild Steel to create customised quality projects

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Eaton

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads.

Organize network infrastructure with CommScope Horizontal and Vertical Cable Management Kits. Sturdy aluminum structures,

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

Metal framing & support systems ABB saves time and labor with its comprehensive lines of metal framing and cable tray, including



Namibian Aluminum Alloy Cable Management Frame Specifications

T-slotted modular aluminum profiles similar to Bosch profiles, 8020 profiles, item profiles. Distributors

Cable Management Support Systems Cable Support Systems are well designed to provide necessary support for cable trays, cable

The Technical Regulation Department is responsible for all engineering services required for regulatory oversight or compliance

Our Aluminum Alloy Cable Tray is developed in-house with reference to the NEMA VE1-1979 Cable Tray Systems standard.

Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional

These conductors are designed to get better strength to weight ratio and offer improved electrical properties, excellent sag-tension

We offer Cable Tray in Namibia in different specifications at competitive market prices. Our range is customized and passes stringent

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