Nepal High-Quality Mesh Cable Tray Specifications



Overview

High-Quality Cable Tray Manufacturer in NepalBeing one of the trusted Cable Tray Suppliers in Nepal, We can be made from different materials, such as Best.

Key Takeaways

High-quality wire mesh cable trays in Nepal are available in stainless steel or galvanized steel, customizable in size, shape, and finish, designed for durability, ventilation, and heavy-load support.

Material and Finish Options

Wire mesh cable trays in Nepal are typically fabricated from mild steel, galvanized steel (GI), or stainless steel (SS202, SS304, SS316), offering excellent corrosion resistance and long service life . Finishes include hot-dip galvanization, pre-galvanized coatings, powder coating, or stainless steel polish, ensuring suitability for indoor and outdoor applications . These materials provide high impact resistance, durability, and the ability to withstand heavy loads over time .

Dimensions and Customization

Trays are highly customizable to meet project requirements. Standard widths range from 50mm to 600mm, heights of 50mm or 100mm, and lengths from 1m to 2.5m, with the option to match specific drawings . Wire spacing and thickness are designed to support heavy cabling while maintaining a lightweight structure for easy installation . Custom bends, elbows, tees, and reducers are available to accommodate complex routing .

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Design and Functionality

The open mesh design allows for ventilation, heat dissipation, and easy cable inspection, reducing the risk of overheating and facilitating maintenance . Wire mesh trays are compatible with junction boxes, support brackets, and cable ties, enabling integration into complete cable management systems . They are suitable for ceilings, walls, and floors in data centers, hospitals, factories, offices, and commercial buildings .

Load Capacity and Standards

High-quality trays are engineered to support heavy electrical, data, and fiber optic cables. The thick, well-spaced wires provide strong support, and trays are manufactured to comply with international standards such as IEC 61537, ensuring safety and reliability . Accessories like supports, bends, and connectors are available for fast and secure assembly .

Applications

Wire mesh cable trays are widely used in industrial, commercial, and infrastructure projects, including factories, shopping centers, hospitals, airports, and cleanroom environments . They also serve as barriers against pests and provide organized routing for power and data cables, simplifying future upgrades or expansions .

Key Manufacturers and Suppliers in Nepal
• Jeetmull Jaichandlall (P) Ltd.: Offers a variety of sizes, shapes, and colors with strict adherence to quality standards .

• Hutaib Electricals: Provides ladder, perforated, wire mesh, and channel cable trays with GI, SS, and powder-coated finishes, along with accessories .

• Super Cable Tray Pvt. Ltd.: Supplies corrosion-resistant stainless steel and GI trays compatible with complete cable management systems .

• Patil More Exports: Offers customizable trays with full test certification and IEC 61537 compliance .

• JLH Electric: Provides OEM/ODM wire mesh trays with automatic welding for efficient installation .

These specifications ensure that Nepalese wire mesh cable trays meet high-quality standards, are versatile for various industrial applications, and provide long-term durability and safety.

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B. Cable tray systems are defined to include, but are not limited to straight sections of [ladder type] [trough type] [solid bottom type]

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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.

Wire Mesh Cable Trays & Components

Using wire mesh cable tray systems involves selecting the right components, planning the layout, and following precise installation

Microsoft Word

Continuous, rigid, welded steel or stainless steel wire mesh cable management system. Cable tray systems are defined to include,

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Our cable trays are long-lasting, resistant to corrosion, and suitable for use in any climate because they are made from high-quality

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U-Protec manufactures high-performance Cable Trays for industrial, commercial, solar, and infrastructure projects across Nepal,

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