

Specifications of Stainless Steel Cable Trays in West Asia



Overview

Stainless Steel Cable Trays-Shangang Heavy Industry Widths of 100mm and 200mm are suitable for suspending and supporting smaller cables, while widths from.

Key Takeaways

Stainless steel cable trays in West Asia are typically made from AISI 304 or 316 stainless steel, designed for durability, corrosion resistance, and compliance with international standards such as BS EN 10088-2, ASTM 316, and NEMA VE 1.

Material and Grades

Cable trays are commonly manufactured from Grade 304 stainless steel (18% chromium, 8% nickel) for general indoor and mild outdoor environments, offering good corrosion resistance at a competitive cost. For harsh environments, including coastal areas, chemical plants, and food processing facilities, Grade 316 stainless steel (16% chromium, 10% nickel, 2-3% molybdenum) is preferred due to superior resistance to chlorides, saltwater, and chemical exposure (Web result,,).

Dimensions and Construction

Standard lengths: 2-3 meters for straight trays, with some manufacturers offering up to 6 meters (Web result,). Widths: Commonly 6, 9, 12, 18, 24, 30, and 36 inches, with custom widths available per project requirements. Tray thickness: Minimum 2.

5 mm for cantilever arms and 5 mm for channel angle support brackets (Web result). Perforation: Bed slots typically 20 mm x 7. 5 mm for cable fixing.

Side flanges: 180° return flanged edges for rigidity and safety during handling.

Structural Features

Ladder trays: Two longitudinal side rails with welded transverse rungs, spaced 6–12 inches apart depending on load requirements (Web result). Load capacity: Each rung designed to support a 200 lb concentrated load with a safety factor of 1.5.

Splice plates and hardware: High-strength steel or stainless steel bolts, nuts, and washers; fixed splice resistance ≤ 0.00033 ohm (Web result). Auxiliaries: Bends, tees, reducers, couplers, and connectors supplied with each tray length for modular installation.

Installation and Compliance

Standards: Compliance with BS EN 10088-2, ASTM 316, NEMA VE 1, and local electrical codes. Mounting: Stainless steel spring-loaded nuts, hex bolts, and anchor bolts; cantilever arms and channel supports designed for secure attachment (Web result). Environmental considerations: Trays and accessories are packed to withstand tropical climates, rough handling, and long-term outdoor storage.

Regional Considerations in West Asia

Suppliers such as Unitech and Eaton provide cable trays across the MENA region, ensuring availability of both 304 and 316 grades for diverse project requirements (Web result,). 316 stainless steel is recommended for coastal or chemically aggressive environments, while 304 is suitable for standard indoor or mild outdoor installations. Modular design allows for easy expansion and maintenance in commercial, industrial, and infrastructure projects.

Summary

Stainless steel cable trays in West Asia are engineered for durability, corrosion resistance, and compliance with international standards, with material selection (304 vs 316) based on environmental exposure. Standardized dimensions, robust structural features, and modular accessories ensure safe, long-lasting installations suitable for industrial, commercial, and marine applications.

Article Content

Stainless Steel Cable Trays-Shangang Heavy Industry

Widths of 100mm and 200mm are suitable for suspending and supporting smaller cables, while widths from 300mm to 600mm are suitable for larger cables and

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Niedax Cable Tray

Stainless Steel: Trays are constructed of ASI type 304, type 316 or type 316 L stainless steel. Powder Coated: Trays are pre-treated and powder coated as per IEC Standards.

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The document details the types, materials, and applications of cable trays, highlighting their importance in electrical wiring for buildings and their advantages over traditional wiring methods.

Stainless Steel Cable Trays (SS) Manufacturer & Exporter

Superfab Inc''s Stainless Steel Cable Trays offer a durable, cost-effective, and aesthetic solution for cable management. With superior strength, corrosion resistance, and versatility, these trays are

Product Catalogue Cable Management Solutions

With over 20 years of experience T&B Cable Tray provides a complete solution in cable management systems including design, manufacturing and technical support by offering a complete solution for

cable tray(digital copy)

Stainless Steel as per BSEN 10088-2 with 304/316 grade. Aluminium Alloy as per BSEN 485-1 with AA1100, AA8011, A3105 grade. Maximizes ventilation for dissipation of heat generated by charged

CABLE TRAY

We manufacture a wide range of products capable of providing the characteristics which respond to the proposed application, along with quality of assembly, speed of installation, and cost-saving cable trays.

Wire Mesh Cable Trays Technical Information Detailed, Material ...

A job site, field adaptable support system primarily for low voltage telecommunication and fiber optic cables. These systems are typically steel wire mesh, zinc plated.

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cable tray technical specifications cable tray

stainless steel 304 & 316 tray 8-1: 2014 without a post treatment. The European standard that lists the chemical composition of stainless steels which are subdivided in accordance with their main

CABLE TRAY

SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket trays, trunkings and support systems, to mechanical cladding fixations, steel lintels

Product Catalogue Cable Management Solutions

Delivering engineered solutions in cable management ABB manufacturers a comprehensive range of cable tray systems and solutions including cable ladder, perforated tray, channel tray and metal

Cable Trays and Accesories

SFSP cable trays and accessories from SFSP are manufactured from steel sheets in accordance with BS EN 10130/BS EN 10131/ BS EN 10051, complying with BS EN 61537:2023, and NEMA standards,

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