

Specifications and dimensions of stainless steel cable trays in the Middle East

Article Overview

Stainless steel cable trays in the Middle East are typically manufactured in Grades 304 or 316(L), with various finishes and types suitable for light, medium, and heavy-duty applications.

Material and Grades

Stainless steel cable trays are commonly produced in Grades 304 and 316(L), offering excellent corrosion resistance for indoor and outdoor installations, including harsh industrial environments . These trays are also available in aluminum, mild steel, and galvanized steel, but stainless steel is preferred for chemical resistance and longevity .

Finishes

Available finishes include:

- o Powder-coated for scratch resistance and aesthetic customization.
- o Epoxy-coated for chemical protection.
- o Hot-dip galvanized for additional corrosion resistance . These coatings are applied with a minimum thickness of 80 microns for durability .

Types of Cable Trays

- o Ladder Type: Ideal for heavy-duty cable runs, long spans, and power or control cables. Provides excellent ventilation and load-bearing capacity .
- o Perforated/Ventilated Trays: Suitable for medium-duty applications, allowing airflow to prevent overheating of cables .
- o Solid Bottom Trays: Used for sensitive data and fiber optic cables requiring full coverage .
- o Channel/Tray Systems: Compact and cost-effective for short cable runs or branch connections .

Dimensions and Lengths

- o Standard lengths: 3 meters, with optional 2.44 meters or custom lengths available .
- o Widths and depths vary depending on load requirements and cable volume, with customization possible for specific projects .

Duty Ratings

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- o Light Duty: For lightweight cabling such as networking, data, and fiber optic cables.
- o Medium Duty: Suitable for commercial applications.
- o Heavy Duty: Designed for industrial and heavy commercial use .

Standards and Compliance

Stainless steel cable trays in the Middle East conform to international standards, including:

- o IEC 61537 and BS EN 61537 for manufacturing.
- o NEMA VE 1 & VE 2 for installation safety.
- o BS 7671:2001 and NFPA 70 for electrical compliance .

Accessories

Cable tray systems include a full range of accessories for installation flexibility:

- o Bends (horizontal and vertical), elbows, tees, reducers, couplers, and end plates.
- o Covers for protection and color-coded trays for circuit differentiation .
- o Strut channels and unistrut systems for modular support and easy installation .

Applications

- o Industrial plants: Heavy-duty power and control cables.
- o Commercial buildings: Medium-duty electrical and data cabling.
- o Data centers: Solid bottom trays for sensitive fiber optic and networking cables.
- o Outdoor or corrosive environments: Stainless steel 316(L) with epoxy or powder coating . Stainless steel cable trays in the Middle East are designed for durability, corrosion resistance, and compliance with international standards, making them suitable for a wide range of industrial, commercial, and infrastructure projects.

SFSP Products SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket

This table reflects the common cable tray sizes specified for commercial and industrial projects across the UAE, Saudi

Durable stainless steel cable trays for secure cable management in industrial and commercial applications.



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Corrosion-resistant and

SFSP cable trays and accessories from SFSP are manufactured from steel sheets in accordance with BS EN 10130/BS EN 10131/

Covers are available in all material types: Aluminum, Steel (pre-galvanized), Stainless, and Paint Ready. Covers provide protection

Additional, the stainless steel cable tray is high strength and load capacity, which can be used in the heavy duty applications. Though

Cable Tray Manufacturer & Supplier in UAE Cable trays are essential for managing and supporting electrical and data cables in

Stainless steel cable trays are made of 304, 316 grade stainless steel, which are designed into channel style, ladder style, perforated

standards & specifications light & medium duty cable tray sizes accessories do not have a return edge. Also light duty tray of widths

SPECIFICATIONS FOR METALLIC CABLE TRAY SYSTEMS This document contains proprietary information developed by and for

Conclusion Selecting the right cable tray can transform a chaotic setup into a streamlined, efficient system. With

A. The drawings which constitute a part of these specifications indicate the general route of the cable tray systems. Data presented

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations

MetalEgypt cable trays are engineered to support operational cable loads while maintaining structural stability. Load capacity varies

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Discover electrical cable tray dimensions: your complete guide to widths, depths, load capacities, and industry



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