

UAE offers a full range of trapezoidal cable tray specifications

Article Overview

Trapezoidal cable trays in the UAE typically range from 50 mm to 900 mm in width, with depths from 50 mm to 300 mm, and standard lengths of 2,440 mm or 3,000 mm, designed to meet IEC 61537 and NEMA standards.

Standard Dimensions

Trapezoidal cable trays are widely used for power, control, and data cabling in commercial, industrial, and infrastructure projects across the UAE. The typical dimensional ranges are:

Width (mm)	Depth/Height (mm)	Standard Length (mm)	Typical Application
50	50, 75	2,440 / 3,000	Small commercial or control panels
75	75, 100	2,440 / 3,000	Light industrial or office cabling
100	100, 150	2,440 / 3,000	Mixed power and control cabling
150	150, 200	2,440 / 3,000	Medium industrial installations
200	200, 300	2,440 / 3,000	High-load power distribution
300	300, 450	2,440 / 3,000	Large industrial plants, substations
450-900	200-300	2,440 / 3,000	Major infrastructure projects, data centers

These trays are designed to accommodate a 40% fill factor for safe cable installation, with a recommended 20-25% space buffer for future expansion, ensuring compliance with UAE environmental conditions such as high heat, humidity, and dust (GoSwitchgear) .

Material and Standards

- o Materials: Pre-galvanized mild steel (BS EN 10346:2009), hot-dip galvanized steel (BS EN ISO 1461), and stainless steel for corrosive environments (Electromec UAE) .
- o Standards: IEC 61537, NEMA VE-1, and BS 61537:2007 for load capacity, structural integrity, and compatibility with fittings and accessories .
- o Load Classes: NEMA classifications (e.g., 8, 12, 16, 20) indicate recommended span lengths in feet, with strength designations (A, B, C) corresponding to working load capacities .

Accessories and Fittings

Trapezoidal cable trays are compatible with a range of accessories:

- o Couplers: Straight, cranked, and reducers for connecting tray sections.
- o Bends: Flat 90° bends, horizontal and vertical offsets.
- o Supports: Brackets, hangers, and strut systems for structural stability.
- o Finish Options: Powder-coated, epoxy-coated, or stainless steel for outdoor or coastal installations .

Applications

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- o Commercial Buildings: Data, control, and low-voltage power cabling.
- o Industrial Plants: Medium to heavy-duty power distribution and instrumentation.
- o Infrastructure Projects: Substations, oil & gas facilities, and large-scale electrical networks. Trapezoidal cable trays in the UAE are engineered to provide efficient ventilation, heat dissipation, and easy maintenance, ensuring long-term reliability and compliance with local electrical codes .

Designed as complete cable routing solutions, they combine certified load and safety performance with advanced corrosion and fire

Unitrunk"s Uniklip System for Cable Tray includes light, medium and heavy duty profile with Klip perforations (also compatible with

GRP Cable Tray Manufacturers in UAE PSI Cable Support Systems are available in GRP material to

SFSP manufactures a wide range of products capable of providing the characteristics which respond to the proposed application,

Examine the best cable trays and accessories available in UAE. For dependable cable management, we

Light Duty Tray Medium Duty Tray Load table loads are based on a UNIFORMLY DISTRIBUTED LOAD (UDL) across the full width

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

Description Offers a wide range of angles to change cables direction according to user requirements. Fittings are provided with

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

Delta, a leading GRP manufacturer in the UAE, developed GRP systems specifically designed for Middle

The main products we offer include various types of cable tray, troughs, U channels, strut supports, cable ladder systems, cable

Discover trusted cable trunking suppliers in UAE offering GI, PVC, and aluminum trunking systems for safe,



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organized, and durable

Emerald offers a full line of accessories for our electrical products including cable tray covers, divider strips, drop outs, blind

Cable Tray Manufacturers in UAE West Port Cable Tray is a prominent manufacturer and cable tray

We stock and supply a full range of cable trays, cable ladders, PVC trunking, PVC conduits, junction boxes, cable clamps, and cable

Bonn Group is a leading cable tray manufacturer & supplier in UAE. Offering durable GI cable trays, cable

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