

Introduction to Moroccan Trough-Type Cable Trays



Overview

Cablofil steel trough trays provide the strength and security required when then need to limit cable access is of primary importance.

Key Takeaways

Moroccan trough cable trays originated in the early 1980s with local manufacturers like Cable House, primarily in industrial hubs such as Casablanca, Tangier, Rabat, and Fes. Historical Background

Cable trays, including trough-type trays, are structural systems designed to support and route electrical cables safely, offering an alternative to conduits or open wiring systems. The trough design provides a deep, solid enclosure for cables, offering maximum protection while allowing flexible entry and exit points for wiring . Globally, metal cable trays were first developed in the 1940s by Saul Halpern, evolving to include ladder, perforated, and solid-bottom designs .

Moroccan Industry Development

In Morocco, the cable tray industry began to take shape in 1983 with the establishment of companies like Cable House, which became a recognized manufacturer and supplier of various cable tray types, including troughs, ladders, and perforated trays . These companies focused on producing high-quality stainless steel and galvanized steel trays suitable for industrial, commercial, and data center applications.

Key Manufacturing Hubs

The production and supply of cable trays in Morocco are concentrated in major industrial cities:

- Casablanca – the largest industrial and commercial center, hosting multiple suppliers and manufacturers.
- Tangier – a strategic port city facilitating export and import of raw materials and finished products.
- Rabat – the capital, supporting both governmental and private infrastructure projects.
- Fes – a hub for regional distribution and smaller-scale manufacturing .

Types and Materials

Moroccan manufacturers produce a wide range of cable trays, including:

- Trough trays – solid-bottom for maximum cable protection.
- Ladder trays – for heavy-duty installations with ventilation.
- Perforated trays – for lighter cable loads and improved airflow.
- Wire mesh trays – flexible and easy to install in dynamic layouts . Materials commonly used include stainless steel, galvanized steel, and aluminum, chosen for durability, corrosion resistance, and suitability for indoor and outdoor installations .

Significance

The introduction of trough cable trays in Morocco allowed for safer, more organized electrical installations, particularly in industrial and data center environments. The local manufacturing capability reduced reliance on imports and supported the growth of Morocco's electrical infrastructure . In summary, Moroccan trough cable trays have their origins in the early 1980s, with Cable House and other local manufacturers leading production in key industrial cities, producing a variety of tray types and materials to meet the country's growing electrical infrastructure needs.

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Conclusion Understanding the different types of cable trays and their applications is crucial for designing safe, efficient,

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This style of cable tray is available non-ventilated or ventilated, as shown in (figure D). Center supported cable trays Today, another

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