

# Cable trays require a production license

## Article Overview

Cable trays do not universally require a formal production license, but manufacturers must comply with national and international standards and obtain relevant certifications to legally produce and sell them.

## Regulatory and Standards Overview

Cable trays are governed by technical standards and safety regulations rather than a single production license. Compliance ensures that trays are safe, durable, and suitable for electrical installations. Key standards include:

- o NEMA VE 1 and CSA C22.2 #126.1: Specify manufacturing requirements for metal cable trays in accordance with the National Electrical Code (NEC) and Canadian Electrical Code (CEC) rules, including load/span designations and material specifications (aluminum, steel, or nonmetallic) .
- o UL 568: Covers performance requirements for fiberglass cable trays, ensuring safe application in electrical systems .
- o IEC 61537: International standard for both metal and nonmetallic cable trays, detailing mechanical strength, electrical continuity, and testing procedures .
- o National Marks of Conformity: Certifications such as TSE, VDE, IMQ, GOST, and NEMA indicate compliance with local or widely recognized standards, often required for market approval .

## Licensing and Certification

While a specific production license is not universally mandated, manufacturers typically must:

- o Obtain product certifications demonstrating compliance with applicable standards (e.g., UL, NEMA, IEC) .
- o Provide declarations of conformity or test reports to authorities or clients, confirming that trays meet mechanical, electrical, and fire safety requirements .
- o Follow local regulations: Some countries, like Dubai (DEWA) or South Africa (SANS 10142-1), require authority approval in addition to standard compliance, effectively acting as a licensing step for production or import .

## Installation Considerations

Even with certified production, cable trays must be installed according to NEC Article 392 or equivalent local codes, covering clearances, grounding, fill limits, and separation of high- and low-power cables . Noncompliance can result in project rejection or safety hazards.

## Key Takeaway

Manufacturers do not need a universal production license, but they must comply with recognized standards,



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obtain certifications, and meet local authority requirements to legally produce and sell cable trays. Ensuring proper documentation and adherence to standards is essential for market access and safe installation.

When firmly attached to building steel with threaded connections and galvanized components cable tray installations are adequately

Cable tray installed in a hazardous location must contain only those cables that are appropriate for this type of environment as

NEC Article 392 outlines the key rules for installing and maintaining industrial cable tray systems. These systems,

How Cable Tray Manufacturers Meet Quality Standards In the electrical infrastructure field,

Installing instrument cable trays properly and in compliance with relevant standards is crucial to ensure safety, functionality, and

Across industry tray cable (type TC) is a go-to solution that works in some of the harshest indoor and outdoor environments. Tray

Discover everything about cable trays in industrial settings: types, benefits, installation tips, and compliance with NEC

The production of cable trays requires the following qualifications: 1. Possess certain production capacity and

Core rules for selecting, installing, grounding, and filling cable trays--clearances, materials,

In this guide, we will explore essential cable tray standards and offer insights into compliance and safety measures. Significance of

This document deals with cables trays, cables and connector installation and segregation, cable trays earthing and E.M.C. directives.

It is necessary to comply with national laws, regulations, and industry norms, not produce unqualified products, not

It's fascinating to see how cable trays--products of these production lines--are everywhere you least expect but most need: Urban



## Cable trays require a production license

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