

Do 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



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

Cable tray is considered to be a system. It must provide continuous support for cables, and the electrical continuity of the cable tray

Covers construction and test requirements for continuous, complete nonmetallic systems of ladder, ventilated, solid bottom cable

In the electrical infrastructure field, cable management systems are the backbone of safe

Question 6: Are Cable Trays listed? Answer: Metallic cable trays are not required to be listed because they are a support system.

It is quite common to see cable trays used to carry DC PV source circuits operating over 600 volts. These cable trays require the

We continuously work to ensure that our cable trays and other products meet the relevant market standards and requirements in

Cable trays feature flexibility unmatched by conduit, as cables are easier to mark, remove and find in cable trays. Cable trays are

Cable ladder is more commonly used where heavier cables need to be carried, but is more expensive. Apart from the

Thus, cable tray manufacturing has become an important industry, providing innovative cable management solutions

Discover how cable tray production lines power global infrastructure with durable, scalable, and sustainable manufacturing solutions.

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

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There is no single global standard for cable tray systems. In practice, the applicable

When performing electrical inspections, AHJs require metallic and nonmetallic cable trays to be certified. We offer U.S. and Canadian

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

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