

National Standards for Cable Trays and Ladders



Overview

The National Electrical Manufacturers Association (NEMA) VE 1 standard is the primary guideline for specifying cable tray systems, particularly defining load capacity and span capabilities. This standard specifies the requirements for nonmetallic cable trays and associated fittings designed for use in accordance with the rules of the Canadian Electrical Code (CEC) Part 1, and the National Electrical Code® (NEC). The Bulletin is advisory in nature, informational in content, and is intended to assist employers in providing a safe and healthful workplace. These systems provide an efficient and adaptable solution for managing a wide range of cables, including power cables, control. In this installment of our Code Corner series, Ryan Mayfield focuses on the 2023 National Electrical Code (NEC) changes concerning cable trays, particularly section 690.

Article Content

Aug 01, 2025

Document DICOS

This standards publication provides technical requirements concerning the construction, testing, and performance of metal cable tray systems. The development of this publication is the result of many ...

Jun 27, 2025

Code Corner: 2023 NEC Article 690.31 (C) and (C) (2) Cable Tray ...

In this installment of our Code Corner series, Ryan Mayfield focuses on the 2023 National Electrical Code (NEC) changes concerning cable trays, particularly section 690.31 (C).

Oct 18, 2025

SECTION 26 05 36 CABLE TRAYS FOR ELECTRICAL ...

NFPA 70 - National Electrical Code; National Fire Protection Association; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and ...

Aug 08, 2025

NEC Standards for Cable Trays: Grounding, Fill Capacity

This article provides a comprehensive framework that governs various aspects of cable tray installations, including the types of cables that are deemed acceptable for use, requirements for ...

Jan 28, 2026

Cable Tray SHIB NAL

Provide information regarding the hazards of overloaded cable trays; Identify specific Occupational Safety and Health Administration (OSHA) regulatory requirements and National Electrical Code® ...

Apr 27, 2026

Metal Cable Tray Systems Standard NEMA VE 1-2017

NEMA VE 1-2017 standard for metal cable tray systems. Covers construction, materials, dimensions, load capacity, and testing.

Jun 24, 2026

Document DICOS

Do not use a cable tray as a walkway, ladder, or support for people; a cable tray is a mechanical support system for cables and raceways. Using cable trays as walkways can cause personal injury and can ...

Jul 14, 2025

Codes and Standards | Cable Tray Institute

NFPA 70 - The National Electrical Code covers the installation requirements for the safe application of cable tray systems including ladder, ventilated trough, ventilated channel, solid bottom and other ...

Oct 07, 2025

Cable Tray Technical Guide A practical guide to product selection ...

Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span), and handling and installation constraints.

Aug 10, 2025

Ultimate Guide to NEMA Cable Ladder Size (NEMA 1

This guide consolidates the key dimensions across all four NEMA cable ladder size classes based on the provided product specifications.

Contact Us

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