

Latest Standards for Cable Tray Construction



Article Overview

The most current standards for cable tray systems include IEC 61537:2023, NEMA VE 1 and FG 1, UL 568, NEC Article 392, and CEC C22.1-Part 1, covering design, materials, testing, and installation requirements.

International Standards

IEC 61537:2023 specifies requirements and tests for both metallic and nonmetallic cable tray systems, including ladder and wire mesh trays, for supporting and accommodating cables in electrical and communication installations. It includes provisions for grouping cables, using trays as protective earth conductors, and ensures compliance with mechanical and electrical performance requirements. This edition replaces the 2006 version and constitutes a technical revision with updated annexes and testing procedures (IEC 61537:2023) .

North American Standards

NEMA VE 1 covers metal cable trays such as ladder, channel, single-rail, wire mesh, solid bottom, and ventilated trays. It specifies manufacturing requirements, load/span class designations, and installation guidelines in accordance with the National Electrical Code (NEC) . NEMA FG 1 addresses nonmetallic (fiberglass) cable trays, including ladder, channel, and solid bottom types, with construction and test requirements for continuous systems supporting power or control cables . UL 568 provides performance requirements for fiberglass cable trays, ensuring safe applica...

Article Content

Jan 03, 2026

Cable tray

In the electrical wiring of buildings, a cable tray system is used to support insulated electrical cables used for power distribution,

Jan 27, 2026

IEC 61537:2023

This document specifies requirements and tests for cable tray systems and cable ladder systems intended for the support and

Sep 17, 2025

NEMA VE-1: Changes & Commentary | Cable Tray Institute

The document has been changed to utilize metric dimensions as standard (with English equivalents). 3000 mm and 6000 mm trays

Feb 13, 2026

Standard

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into groups. This

Jan 13, 2026

New Cabling Standards for the Buildings of Today and Tomorrow

Note 1: For bundle sizes over 192 cables, or for conductor sizes smaller than 26 AWG, ampacities shall be permitted to be

Sep 30, 2025

NEMA vs IEC vs BS: Global Cable Tray Standards Comparison

When specifying cable trays for an international project, the first question is always: Which standard applies?

Feb 07, 2026

CABLE TRAY INSTITUTE

The Cable Tray Institute (CTI) was founded in 1991 to support the cable tray industry by engaging in research, development,

Sep 26, 2025

IEC 61537:2023

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into

Nov 22, 2025

IEC 61537:2023 | IEC

IEC 61537:2023 specifies requirements and tests for cable tray systems and cable ladder systems intended for the support and

Dec 27, 2025

IEC 61537 Ed. 3.0 b:2023

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into groups. This

Feb 03, 2026

Codes and Standards | Cable Tray Institute

Provides technical requirements concerning the construction, testing, and performance of metal cable tray systems. It is the first joint

Mar 07, 2026

Complete cable tray manual for electrical engineers and designers

The final drawings for a cable tray wiring system may be completed and sent out for bid or construction more quickly

Dec 21, 2025

Cable Tray Installation Guidelines and Best Practices: Complete ...

This article is written in a consultant-level engineering format based on site execution experience, focusing on

Apr 21, 2026

Cable Trays and Accesories

Cable Trays and Accessories are designed to meet most requeriments of cable and electrical wire installations and comply to local

May 18, 2026

IEC 61537:2023

EXAMPLE a) cable tray length or cable ladder length, b) cable tray fitting or cable ladder fitting, c) coupler, d) support device, e)

Jul 08, 2026

Full cable tray systems specification document

2.02 CABLE TRAY SECTIONS AND COMPONENTS A. General: Except as otherwise indicated, provide metal cable trays, of types,

Dec 07, 2025

GUIDE CABLE TRAYS TECHNICAL

Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian

Apr 09, 2026

NEMA Standards Publication VE 2-2006

This standards publication was developed by the NEMA Metal Cable Tray and Nonmetallic Cable Tray Sections. Section approval of

Jun 07, 2026

Cable Tray Design and Standards Guide

Cable Tray Design and Standards Guide 1. The document outlines codes and standards that must be followed for design and

Oct 24, 2025

Cable tray manual

Where a cable tray wiring system containing Type ITC cables will be exposed to any significant amount of hot metal splatter from

Jun 20, 2026

Cable Tray Installation Rules (NEC 392) – Electrical Trader

Core rules for selecting, installing, grounding, and filling cable trays—clearances, materials, separation, and bonding

Oct 07, 2025

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

This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray characteristics,

Feb 17, 2026

Best Practice Guide to Cable Ladder and Cable Tray Systems

Cable ladder systems and cable tray systems are designed for use as supports for cables and not as enclosures giving full

Feb 02, 2026

NEMA BI 50016-2024

Cable tray system design shall 269 comply with National Electrical Code® (NEC®) Article 392, NEMA BI-50015 (formerly VE 1), and

Aug 10, 2025

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

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

Apr 17, 2026

CABLE TRAY SYSTEMS GUIDE

Steel Ladder System Hubbell's NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers

Dec 29, 2025

Best practice guide to cable ladder and cable tray systems

Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure

Jul 02, 2026

IEC 61537:2023 Cable Management Cable Tray and Ladder Systems

IEC 61537:2023 is the latest international standard specifying comprehensive requirements and testing methods for cable tray and

Contact Us

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