

Latest Thickness Standard for Cable Trays



AI Overview

The latest international standard for cable tray thickness is defined in IEC 61537:2023, with specific thickness requirements varying by tray type, duty class, and material.

IEC 61537:2023 Overview

IEC 61537:2023 specifies requirements and tests for cable tray and ladder systems used to support electrical and communication cables. This edition updates the 2006 standard and includes technical revisions relevant to mechanical strength, load capacity, and safety, including the use of trays as protective earth conductors. While the standard does not prescribe a single thickness for all trays, it defines minimum mechanical and structural requirements that indirectly determine the necessary material thickness based on tray type and load.

Typical Material Thickness by Tray Type

Material thickness directly affects load capacity, allowable span, and long-term durability. Standard thickness ranges vary depending on the tray design and duty class :

- Ladder Trays: Designed for heavy cable loads and long spans. Side rail height and material thickness are critical. Heavy-duty ladder trays typically require 2.5 mm or more for steel or galvanized steel to ensure maximum support and heat dissipation...

Article Content

Apr 26, 2026

Codes and Standards | Cable Tray Institute

The Cable Tray Institute is making available the current edition of this practical guide for the proper installation of aluminum or steel

Nov 13, 2025

Cable Trays and Accesories

SFSP cable trays and accessories from SFSP are manufactured from steel sheets in accordance with BS EN 10130/BS EN 10131/

Jul 04, 2026

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

Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been

Aug 01, 2025

Cable Tray Size Calculation for Project Engineers

Cable tray size calculation is important for ensuring safe cable installation, proper heat

Jan 24, 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

Jan 25, 2026

Microsoft Word

2.2 The design, material, construction, manufacture, inspection, testing and performance of Cable Trays & Accessories shall conform

Aug 17, 2025

Cable Tray Size and Dimensions: How to Choose the

Learn how to calculate the perfect cable tray size and dimensions for your electrical project.

Jan 16, 2026

Cable Tray Standards | Cable Management | Metsec

Cable Management - Cable Tray Systems Standards. Contact Our Dedicated Support Team On +44

Oct 30, 2025

Cable Tray

Cable Tray Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and

Apr 22, 2026

Wire Mesh Cable Trays Technical Information Detailed, Material ...

Wire Mesh Cable Tray Detailed Information: a. A job site, field adaptable support system primarily for low voltage telecommunication

Apr 18, 2026

Cable Tray Thickness Guide: Which Thickness Should You Choose?

Learn how to choose the right cable tray thickness for industrial, commercial, and infrastructure projects. Explore GI

Jul 09, 2026

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules

Jul 16, 2026

Cable tray

Cable tray Electrical installations Wiring practice by region or country North American practice United Kingdom practice Regulation of

Sep 02, 2025

IEC 61537:2023

IEC 61537:2023 Cable management - Cable tray systems and cable ladder systems
Systèmes de câblage - Systèmes de chemin de

Oct 01, 2025

Cable Tray Thickness Standard 2026: Key Guidelines

Discover the 2026 cable tray thickness standard for industrial and commercial use. Learn about IEC 61537, load

Jun 05, 2026

IEC Standard for Cable Tray: Complete Technical Guide

IEC 61537 is the internationally recognized benchmark for metal cable tray systems. It

Sep 03, 2025

Codes and Standards | Cable Tray Institute

Purchase UL 568. FG 1, Fiberglass Cable Tray Systems Covers construction and test requirements for continuous, complete

Sep 09, 2025

NEMA vs IEC vs BS: Global Cable Tray Standards Comparison

Note: NEMA does not specify minimum thickness —the philosophy is that if the tray passes the load test at the

Oct 23, 2025

Cable Tray Size Guide: How to Choose the Right

Complete cable tray sizing guide with standard size chart, NEC calculation methods, and real engineering

Oct 20, 2025

Cable Tray Thickness Standard 2026: Key Guidelines

This report provides a comprehensive analysis of cable tray thickness standards, material specifications, and market

Sep 03, 2025

CABLE TRAY

Cable Support Systems are well designed to provide necessary support for cable trays, cable ladders and trunkings. Cable supports

Aug 24, 2025

12-SDMS-06

4.1.2 The Metallic cable trays shall be manufactured in accordance with NEMA VE-1 standard and/or equivalent IEC standard. 4.1.3

May 31, 2026

IEC 61537:2023 | IEC

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

Jul 24, 2025

IEC 61537:2023 Cable management

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

Aug 14, 2025

The latest national standard for cable tray, different galvanizing ...

There are many national standards for cable tray, and the technical specification of T/CECS 31-2017 steel cable tray is the latest

Oct 03, 2025

Full cable tray systems specification document

B. Cable tray systems are defined to include, but are not limited to straight sections of [ladder type] [trough type] [solid bottom type]

Apr 04, 2026

IEC 61537:2023

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

Contact Us

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