

31x45 cable tray load-bearing standard



Overview

IEC 61537 is the internationally recognized benchmark for metal cable tray systems. It applies to cable trays made of steel, stainless steel, aluminum, or other metallic materials. The standard ensures these systems can handle the physical and electrical loads they're exposed to. This standard outlines the construction requirements, testing methods, and performance parameters for cable trays and related support systems. Note that wider rung spacings and wider cable tray widths decrease the overall strength of the cable tray. Where necessary, cable tray systems and cable ladder. When developing our cable support OBO can offer reliable solutions for systems, three attributes are at the routing and fastening cables securely core of what we do: efficiency, resili- for each of these installation challenge-ence and safety. es in the industrial environment.



Article Content

Dec 01, 2025

Chapter 14 Cable Support systems

IEC61537-2004 If full details of the cabling layout are available then the likely cable load can be calculated using either manufacturer's published information or the tables of Cable Weights and

Oct 05, 2025

IEC Standard for Cable Tray: Complete Technical Guide

IEC 61537 is the internationally recognized benchmark for metal cable tray systems. It applies to cable trays made of steel, stainless steel, aluminum, or

Dec 28, 2025

Cable Tray Raceway Fill and Load Calculations

Resources For Electrical & Electronic Engineers Cable Tray Raceway Fill and Load Calculations Cable tray / raceway is integral part of any cable management

Jan 12, 2026

B-Line series Cable Tray Design Considerations

Our wind certification report provides you with list of acceptable B-Line series cable tray supports, fittings and covers based off of the environmental conditions, cable loading, and type of cable tray in your

Mar 27, 2026

Cable tray manual

Specifiers should be aware that some cable tray manufacturers do not account for this load reduction in their published cable tray load charts. B-Line uses stronger rungs in wider cable trays to safely bear

Feb 17, 2026

Cable Tray Standards | Cable Management | Metsec

Key cross sectional dimensions for straight cable trays. Minimum internal radius of fittings. Minimal internal radius of fittings available for the accommodation of

Aug 28, 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 practical reference regarding cable tray characteristics, installation, and

Apr 05, 2026

SKS-EKS 08-07 HD

Heavy Duty and Extra Heavy Duty Cable Trays High load bearing capacity through return flange and zigzag longitudinal punching pattern. Functional Integrity tested at intermediate ceiling area of

Sep 21, 2025

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

In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and any additional loading that may be applied to the cable tray system (e.g.,

Mar 02, 2026

Explaining NEC Article 392 on Cable Trays

NEC Article 392 explains cable trays, their components, appropriate wiring methods for cable trays, and instances where they are and are not

Jan 09, 2026

Load Tables | Cable Management | Metsec

Range of Load Tables for Metsec Cable Tray Systems for the mechanical and electrical services industry. For any queries, contact our team on +44 (0)121

Feb 25, 2026

Guide to cable support systems

The load capacity of the cable trays according to the support width can be read off in the diagram using load curves - here, shown as an example for a cable tray with the tray widths 100 to 600 mm.

Mar 04, 2026

B-Line series Cable Tray Design Considerations

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market today with its B-Line series portfolio. With unmatched quality and service, we

Aug 24, 2025

Load Testing (IEC 61537)

The IEC 61537 standard also includes instructions for testing support strength. Flexibility in the system may also limit the load on the cable management system,

Aug 12, 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] [channel type] cable trays, bends, tees, elbows, drop-outs, supports

Feb 03, 2026

Cable Tray Types and Sizes

Understanding different cable tray types and matching them with the correct cable tray sizes is key to a successful electrical infrastructure. Whether it's about load

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IEC Standard for Cable Tray: Complete Technical Guide

This standard outlines the construction requirements, testing methods, and performance parameters for cable trays and related support systems.

Jul 18, 2025

LEGRAND CABLE TRAYS TECHNICAL GUIDE

ation of cable management products. Because of its expertise, Legrand is part of the working group for IEC 61537 edition 3 and is de facto involved in following up claims and development projects. This

May 16, 2026

Non-Metallic Cable Tray Load Guidelines | PDF | Snow

This document provides information on selecting cable tray classes and load capacities. It includes tables that define the standard loading classes and

Nov 19, 2025

Cable support system

The vertical straight connector can be used to connect cable trays with the side height 60mm. Mitre joints that rise and fall up to an angle of 60° can also be realised with this connector.

Dec 06, 2025

LEGRAND CABLE TRAYS TECHNICAL GUIDE

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management, recommendations mentioned in this technical guide only apply to our

Mar 01, 2026

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations without notice. All illustrations, descriptions and technical information

Aug 10, 2025

IEC 61537:2023

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

Dec 04, 2025

Cable Tray SHIB NAL

Overloading cable trays can lead to a breakdown of the tray, its connecting points, and/or supports, causing hazards to persons underneath the cable tray and even leading to possible electric shock

Dec 06, 2025

Guide to cable support systems

Universal systems for cable support structures are used for small loads. The systems are suspended from the ceiling with threaded rods, stand-off brackets allow raised floor mounting of cable trays,

Jul 02, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

The standard BS EN 61537 states that manufacturers must publish SWL (safe working load) details for their products, and specifies load test methods for determining the SWLs which can be supported by

Apr 30, 2026

Understanding IEC 61537: A Comprehensive Guide to

Focusing on the technical aspects of cable tray systems, IEC 61537 outlines strict requirements and regulatory guidelines for various technical indicators.

May 15, 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 of Canadian Electrical Code, Part I and the National Electrical Code®

Contact Us

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