

Standard for diagonal bracing of cable tray supports



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. Cable trays play a vital role in supporting electrical cables and wires in commercial, industrial, and utility installations. For proper installation, design, and maintenance, adherence to international standards is essential. One of the most recognized frameworks globally is the IEC standard for. 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 challeng-ience and safety. es in the industrial environment. Our cable support. us-trations without notice. Recommendations are made for improvements in the design procedures for seismic bracing of.



Article Content

May 10, 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®

Dec 22, 2025

Cable Support System Requirements

Unipath System The Unipath cable support system offers a hybrid of the center rail support system and a support structure similar to a bridle ring. Made of a sturdy

May 26, 2026

Best Practice Guide to Cable Ladder and Cable Tray Systems

This publication is intended as a practical guide for the proper and safe* installation of cable ladder systems, cable tray systems, channel support systems and associated supports.

May 12, 2026

Guide to cable support systems

The cable support lengths and fittings can basically be designed as cable trays, cable ladders or mesh cable trays, in which cables are routed. On the one hand, fittings can be used for horizontal or

Sep 26, 2025

Standard Support Construction Of The Cable Tray RS

With the RS 60 cable tray installation system, Niedax offers a standard support structure installation type that allows integrated circuit integrity maintenance.

Nov 03, 2025

Performance-based optimum seismic design of cable tray system

In the paper, the drift ratio between adjacent supports is proposed as a performance index and the acceptable threshold values are specified based on experimental results of shaking table

Aug 19, 2025

SEISMIC BRACING OF A DISTRIBUTED CABLE TRAY SYSTEM

These cable trays are assembled on site and the cable tray sections are spliced together using bolted connections. The cable trays have diagonal bracing between layers of cable trays in the longitudinal

May 13, 2026

SOLUTIONS

Engineer certified designs and site inspections Ezystrut offers a range of seismic solutions that comply with Australian Standard AS1170.4. Our one-stop solution for seismic bracing, cable tray, pipe

Jul 27, 2025

Cable Tray Systems: Requirements and Best Practices

Comprehensive guide to cable tray systems requirements: tray types, materials, loading, supports, bonding, routing, and best practices for safe electrical cable management.

Oct 31, 2025

CABLE TRAY SYSTEMS GUIDE

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between

Oct 10, 2025

Vogle Electric Generating Plant (VEGP) Units 3 and 4 Updated ...

Cable Trays and Cable Tray Supports This appendix provides the design criteria for seismic Category I cable trays and their supports. Seismic Category II cable trays and their supports are also designed

Dec 02, 2025

Best practice guide to cable ladder and cable tray

Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure the safe and proper installation of

Dec 18, 2025

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 mechanical protection. They are not intended to be used as ladders, walk ways

Jan 13, 2026

IEC Standard for Cable Tray: Complete Technical Guide

One of the most recognized frameworks globally is the IEC standard for cable tray systems. This standard ensures safety, durability, and performance

Sep 03, 2025

Cable Bracing Systems for Steel Buildings: Factory

Discover cable bracing systems for steel buildings. Learn benefits, hardware, design, and installation—factory-direct supply from certified manufacturer.

May 16, 2026

KINETICS™ Seismic & Wind Design Manual Section

As with cable restraints, floor- or roof-mounted electrical distribution support systems will normally involve a box frame that supports the system (single or multiple runs) with some kind of a trapeze bar.

Dec 04, 2025

Appendix 3F Cable Trays and Cable Tray Supports

The basic stress allowables for cable tray supports utilizing rolled structural shapes are in accordance with ANSI/AISC N-690 and the supplemental requirements described in subsection 3.8.4.5.2.

Dec 24, 2025

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

SOLID-BOTTOM CABLE TRAY Providing additional cable protection, solid-bottom cable tray is sometimes preferred to support and protect numerous small instrumentation and control cables.

Jun 23, 2026

Guide to cable support systems

The basis for the recommendation is not the standard load capacity of the brackets, as tested according to DIN-EN 61537, but rather the realistically occurring loads of a standard cable support system.

May 26, 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 bundles of cable between cabinets, racks, and closets, along

May 19, 2026

Cable Support Distances

Section 522.8 (Other Mechanical Stresses (AJ)) in that document provides requirements for cable support.

Aug 07, 2025

Rev 7 to Procedure SAG.CP3, "Seismic Design Criteria for Cable Tray ...

Determine the required seismic design "g" values-for the cable tray hanger by multiplying 1.25 to the above "g" value (obtained in Step iv) to account for multimode response except as noted in-

Dec 14, 2025

Chapter 14 Cable Support systems

A European Standard now exists – EN 50368:2003, Cable Cleats for Electrical Installations. This Standard was approved by CENELEC (the European Committee for Electrotechnical

Jul 11, 2025

CABLE TRAY SUPPORT SYSTEM

Strut channel is used to mount, support, and connect lightweight structural loads for supporting cable tray in Raised access floor system. These include Pipes, conduits, cable trays, electrical wires, data

Jan 07, 2026

Multi-Directional Bracing ForElectrical Conduit, Cable Tray And ...

What is Seismic Bracing? Seismic forces are exerted on a building and its contents during an earthquake. These forces act horizontally upon the structure itself, as well as the piping, cable trays,

Contact Us

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