

Cable tray hoisting load-bearing standards



Overview

IEC 61537:2023 specifies requirements and tests for cable tray systems and cable ladder systems intended for the support and accommodation of cables and possibly other electrical equipment in electrical and/or communication systems installations. In the context of IEC 61537, “load-bearing” is formally referred to as SWL, which stands for “Safe Working Load. The standard requires that load-bearing tests be conducted with a UDL, meaning the load. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester. Cable ladder systems and cable tray systems shall be manufactured in accordance with BS EN 61537, channel support. 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 own cable management ranges and cannot under any circumstances be transposed regulations which. UNITRAY LADDER TRAY is a structure consisting of two longitudinal side members connected by individual transverse members (rungs). Rungs are welded to the side members by either cold metal transfer (CMT/GMAW) or gas tungsten arc welding (TIG/GTAW).



Article Content

Oct 13, 2025

Best Practices for Installing Cables in Trays

Conclusion Proper installation of cables in trays requires more than just laying cables. It

May 26, 2026

Understanding IEC 61537: A Comprehensive Guide to Cable Tray

IEC 61537 does not specify exact load-bearing values for cable trays. Instead, it defines a standardized load-testing methodology

Mar 05, 2026

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

Dead load includes the weight of the cable trays, their supports and the cables inside the trays and any permanently attached items.

Jan 01, 2026

What Tests Should Cable Trays Go Through? How to

The load-bearing test is also called the SWL (safe working load) test, which is to test the

Feb 06, 2026

LEGRAND CABLE TRAYS TECHNICAL GUIDE

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management,

Nov 28, 2025

Explaining NEC Article 392 on Cable Trays

NEC Article 392 explains cable trays, their components, appropriate wiring methods for

Mar 05, 2026

Cable Tray Load Testing Standards

The document discusses load testing standards for cable trays according to IEC 61537 and NEMA VE 1-2002. Key points include: 1)

Apr 01, 2026

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]

Aug 02, 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

May 03, 2026

Codes and Standards | Cable Tray Institute

Covers construction and test requirements for continuous, complete nonmetallic systems of ladder, ventilated, solid bottom cable

Aug 26, 2025

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations

Feb 24, 2026

IEC 61537 Cable Support Systems Guide

Chapter 14 Cable Support Systems.pdf - Free download as PDF File (.pdf), Text File (.txt) or view presentation slides online. The

Sep 29, 2025

Cable Tray Spacing Standards for Installation and Safety

The Importance of Cable Tray Spacing in Electrical Infrastructure Cable tray spacing is a

Apr 02, 2026

Cable Tray Load Testing: Methods, Data & Safety Checks

Cable Tray Load Testing: Methods, Steps & Safety | Learn how to test cable trays for load

Jun 03, 2026

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

Feb 26, 2026

LEGRAND CABLE TRAYS TECHNICAL GUIDE

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

May 21, 2026

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

Sep 23, 2025

IEC Standard for Cable Tray: Complete Technical Guide

Understanding the IEC Standard for Cable Tray Cable trays play a vital role in supporting

Aug 04, 2025

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

Dec 27, 2025

IEC Standard for Cable Tray: Complete Technical Guide

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

Feb 01, 2026

Unex Blog

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Dec 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,

Aug 12, 2025

CABLE TRAY SYSTEMS GUIDE

CONCENTRATED STATIC LOADS: Some applications may require the cable tray to support the weight of a single, dead object in

Aug 12, 2025

Load Testing (IEC 61537)

According to the standard, a safe workload may not cause visible (incl. corrective vision but without magnification) damage or

Dec 15, 2025

Cable tray manual

Specifiers should be aware that some cable tray manufacturers do not account for this load reduction in their published cable tray

Oct 04, 2025

IEC 61537 Testing: Ensuring Reliability in Cable Tray Systems

IEC 61537 is the international standard developed by the International Electrotechnical Commission (IEC). It applies

Nov 03, 2025

TECHNICAL AND SIZING DATA

Under the current CSA standard clauses 4.3 and 6.1.3, it is now possible to vary the maximum design load for tray as a function of its

Sep 26, 2025

Cable Tray Load Calculation and Sizing: Your Easy Guide

Worried about cable tray capacity? Learn simple cable tray load calculation steps. This guide helps you pick the right

Dec 18, 2025

Non-Metallic Cable Tray Load Guidelines | PDF | Snow | Cable

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

Dec 07, 2025

CABLE TRAY

Supports for cable trays should provide strength and working load capabilities sufficient to meet the load requirement of the cable

Sep 26, 2025

IEC 61537:2023

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

Jan 05, 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

Jul 07, 2026

Cope Ladder Master Spec

Manufacturers: Firms regularly engaged in manufacture of cable trays and fittings of types and capacities required, whose products

May 22, 2026

NEMA Standards Publication VE 2-2018

Supports for cable trays should provide strength and working load capabilities sufficient to meet the load requirement of the cable

Aug 25, 2025

Understanding IEC 61537: A Comprehensive Guide to Cable Tray

IEC 61537 is a crucial international standard established by the International Electrotechnical Commission (IEC). The Chinese

Jun 17, 2026

Understanding NEMA Standards for Cable Tray Systems

We partnered with the Eaton B-Line series experts for this article detailing the NEMA

Jan 18, 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

Jul 31, 2025

IEC 61537:2023 | IEC

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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

