

Cable tray hanger specifications selection table



AI Overview

Selecting cable trays and hangers requires considering load capacity, material, environment, span, and compliance with IEC 61537 or equivalent standards.

Cable Tray Selection

Types of Cable Trays: Common types include ladder, solid-bottom, and mesh trays. Ladder trays are ideal for heavy power cables, solid-bottom trays protect sensitive cables from dust or liquids, and mesh trays are flexible for data and instrumentation cabling . Material and Finish:

- Steel: Strong and cost-effective; can be hot-dip galvanized or powder-coated for corrosion resistance .
 - Stainless Steel (AISI 316L): Excellent corrosion resistance, suitable for harsh or chemical environments .
 - Aluminum: Lightweight, corrosion-resistant, and suitable for outdoor or humid environments .
 - FRP (Fiberglass Reinforced Polyester): High resistance-to-weight ratio and corrosion resistance, ideal for chemical plants or offshore applications .
- Load Capacity and Span: Cable trays must support the weight of cables without excessive sagging. IEC 61537 specifies testing for deflection and yield strength at spans of 1m, 1.5m, and 2m. Span length depends on tray type, material, and cable load . Typical spans for ladder trays range from 1.5m to 3m, while solid-bottom trays may require shorter spans. Environmental Considerations: Consider exposure to moisture, chemicals, te...

Article Content

Apr 21, 2026

LEGRAND CABLE TRAYS TECHNICAL GUIDE

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

Jun 04, 2026

CABLE TRAY SYSTEMS GUIDE

The design and cost of the cable tray is greatly affected by this designation. In order to determine the most appropriate and

Jul 19, 2026

HANGERS & BRACKETS Lengths Cable Ladder

The loading table below gives the recommended maximum load for each size of tray overhead hanger when used with Vantrunk

Jan 25, 2026

TECHNICAL AND SIZING DATA

We have more than a decade's worth of experience making and designing quality cable tray and cable management systems. Our

Dec 06, 2025

Resources for Cable tray and ladder systems

Our cable tray design considerations guide details key factors to consider when designing cable tray systems for industrial and

Nov 14, 2025

KwikRail cable tray specification Document

Submittal Drawings: Submit drawings of cable tray and accessories including clamps, brackets, hanger rods, splice plate connectors,

Apr 30, 2026

26 05 36 Cable Trays for Electrical Systems

EATON B-LINE SERIES GUIDE SPECIFICATION Section 26 05 36 – CABLE TRAYS FOR ELECTRICAL SYSTEMS 26 05

Dec 06, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

These guidelines will be particularly useful for the design, specification, procurement, installation and maintenance of these systems.

Aug 22, 2025

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

Dec 24, 2025

LEGRAND CABLE TRAYS TECHNICAL GUIDE

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

Dec 03, 2025

CABLE TRAY

Prior to installing cable in the cable tray, examine cable paths to ensure all areas are free of debris that may interfere with the cable's

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Cable Tray Dimensions and Specifications as per NEC

Many electrical systems employ cable trays. They route cables safely & efficiently. NEC defines minimum cable tray

Nov 01, 2025

Swifts cable tray technical guide

Overhead hangers Supplied singly without fasteners Support horizontal runs of lightly loaded tray up to 1 mm wide from oerhead

Nov 03, 2025

Product Catalogue Cable Management Solutions

With over 20 years of experience T& B Cable Tray provides a complete solution in cable management systems including design,

Apr 10, 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

Feb 04, 2026

SWIFTS CABLE TRAY

With the new Swiftclip, lengths and fittings of Swifts cable tray can be fitted without the use of specialist tools – making it even

Apr 15, 2026

Cable Tray and Reels | Wire and Cable Management

Fast installation with dependable support. Everything you need to build a cable management system, including Cablofil wire mesh

Mar 23, 2026

Cable Trays Selection Guide: Types, Features, Applications

Cable trays are components of support systems for power and communications cables and wires. A cable tray system supports and

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CableTray Book English

Methods Select the material best suited to your environment. Refer to technical section page A8. Determine the tray series using the

May 05, 2026

CableTray Book English

Fittings in a cable tray system are required to change cable routing direction and to join straight sections and other fittings. This step

Jul 04, 2026

Document DICOS

To install the cable tray supports, first find the required elevation from the floor to the bottom of the cable tray and establish a level

May 30, 2026

Wire Mesh Tray Technical Guide

This standard defines configurations for the mechanical tests to be performed on cable trays, brackets, hangers and other

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Cable tray manual

These documents: ANSI/NEMA VE-1, Metal Cable Tray Systems; NEMA VE-2, Cable Tray Installation Guidelines; and NEMA FG-1,

Feb 18, 2026

TECHNICAL GUIDE

This standard defines configurations for the mechanical tests to be performed on cable trays, brackets, hangers and other

Jul 28, 2025

Cablofil Cable Management | Legrand

Build a cable management system with Cablofil wire mesh cable tray, ladder cable tray, prefab assemblies for branch circuit wiring,

Mar 19, 2026

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

Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span),

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

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