

Cable Tray Hanger Specification Table



Article Overview

Cable tray hangers should be selected based on tray type, load class, support span, and environmental conditions to ensure safe and reliable cable support.

Key Considerations for Hanger Selection

1. Load Class and Tray Type: Cable trays are classified by load-carrying capacity, which determines the hanger spacing and type. Ladder trays, ventilated trays, and solid-bottom trays have different mechanical requirements. The load class is typically defined as light, medium, or heavy, affecting the choice of hanger and support span .
2. Support Span: The distance between hangers depends on tray width, material, and load. Wider trays or heavier loads require shorter spans. Typical spans for steel ladder trays range from 1.5 m to 3 m, while lighter aluminum or mesh trays may allow longer spans .
3. Material and Corrosion Protection: Hangers should match the tray material and environmental conditions. Common materials include galvanized steel, stainless steel (AISI 316L), and aluminum. For corrosive environments, stainless steel or hot-dip galvanized hangers are recommended .
4. Mounting Method: Hangers can be wall-mounted, ceiling-suspended, or stand-off brackets. Fully slotted brackets allow on-site adjustment and secure attachment to structural elements . Ceiling supports often use threaded rods with clamps, while wall brackets may use anchor bolts.

Example Cable Tray Hanger Selection Table

Tray Type	Load Class	Tray Width	Max Support Span	Recommended Hanger
TypeMaterial	Ladder Tray	Light	100-300 mm	2.5 m
Ceiling rod with clamp	Galvanized steel	Ladder Tray	Medium	300-600 mm
2.0 m	Stand-off wall bracket	Stainless steel	Lad...	

Article Content

Oct 16, 2025

Cable Hanger Data Sheet.

Cable Hanger Data Sheet. Fabricated from mild steel flat bar (S275JR+AR grade Hot Rolled Structural Steel to BS EN 10025

Apr 05, 2026

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Cablofil® Products Cablofil is the global gold standard for total cable management. Explore the one-stop shop for innovative, fast,

Oct 04, 2025

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

Dec 09, 2025

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 08, 2026

CableTray Book English

Aluminum cable tray Straight lengths — Tray bottom types: ladder, ventilated and solid trough Ladder Extra wide aluminum rungs

Jul 23, 2026

Cable tray manual

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

Oct 27, 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

Feb 15, 2026

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

Mar 05, 2026

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.

Jun 19, 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

Jan 31, 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

May 18, 2026

Wire Mesh Tray Technical Guide

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

May 17, 2026

LEGRAND CABLE TRAYS TECHNICAL GUIDE

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

Aug 25, 2025

CABLE TRAY, CABLE LADDER, CABLE TRUNKING CATALOGUE

Fitting and accessories. with the same or different width of the cable run. All fittings are available in sizes and types corresponding to

Jun 04, 2026

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

Cable tray is considered to be a system. It must provide continuous support for cables, and the electrical continuity of the cable tray

Jun 09, 2026

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

Jun 09, 2026

Safe Working Load (SWL)

The wire basket cable trays shall be installed at a temperature between -5°C to +60°C to make sure the material have better

Sep 25, 2025

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

Apr 18, 2026

Cable Tray Spacing Standards for Installation and Safety

Key Factors Impacting Cable Tray Spacing Understanding cable tray spacing is key to

Aug 21, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

This guide covers cable ladder systems, cable tray systems, channel support systems and associated supports intended for the

May 20, 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

Sep 26, 2025

IEC Standard for Cable Tray: Complete Technical Guide

IEC Standard for Cable Tray: Complete Technical Guide The International Electrotechnical

Nov 08, 2025

Tray Brackets & Hangers

Buy tray baskets & hangers & cable management systems online from TradeSparky today. A UK based electrical wholesaler for both

Nov 19, 2025

Guide to cable support systems

The mesh cable trays are suitable for the installation of power cables and cables in various areas of application. The grid spacings

May 02, 2026

CABLE TRAY

SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket trays, trunkings

Contact Us

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