

How far apart are the cable tray support points



Article Overview

Cable tray support points are typically spaced between 1.5 meters and 3.6 meters apart, depending on tray type, load, and installation method.

General Guidelines

The spacing of cable tray supports depends on the type of tray, the weight of the cables, and the installation environment. For ladder trays, the maximum support spacing is generally up to 3.6 meters for standard loads, with each hanger capable of supporting approximately 318-340 kg (700-750 lbs) per support point. For straight tray runs, supports are often placed 1/4 of the tray length from each end when using two support points; for a 6-meter tray, this would be about 1.5 meters from each end.

Factors Affecting Support Spacing

- **Tray Type:** Ladder trays, ventilated troughs, and solid-bottom trays have different load-bearing characteristics. Ladder trays allow for wider spacing due to their structural design, while solid-bottom trays may require closer supports to prevent sagging.
- **Cable Load:** Heavier cable bundles reduce the allowable span between supports. The total anticipated weight of the cables must be considered when determining support intervals.
- **Environmental Conditions:** Exposure to vibration, temperature extremes, or corrosive environments may necessitate closer support spacing to maintain structural integrity.

Article Content

Mar 15, 2026

How to Solve Excessive Cable Tray Installation Spacing?

What Is Cable Tray Installation Spacing? In simple terms, cable tray installation spacing refers to the distance

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Cable Tray Installation Guidelines for Engineers

Cable trays shall not be used to support any rigging for cable installation Guidelines for Engineers. Cable clamps or straps suitable

May 14, 2026

A Guide to Installing and Supporting Electrical Cable Trays

A professional guide to installing electrical cable tray systems per NEC Article 392. Covers support,

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Cable Support Distances

Although BS 7671 touches on the subject of cable supports, it does not detail specifically what these support distances should be.

Feb 03, 2026

Criteria for Sizing, Designing, Installing and Supporting of Cable-Tray ...

Vertical-tray supports shall provide secure means, other than friction, for fastening cable trays to supports. 9.7.4 Supports shall be

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Cable Support Distances

Cable Support Distances Although BS 7671 touches on the subject of cable supports, it does not detail specifically what these

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Document DICOS

Do not use a cable tray as a walkway, ladder, or support for people; a cable tray is a mechanical support system for cables and

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Cable Tray Installation and Cable Handling Method Statement

3. Cable Tray Support Locations Cable tray supports should be strategically positioned so that connectors between horizontal

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Cable Tray Supports | Information by Electrical Professionals for ...

How far distance between supports? 2002 code How far distance between supports? 2002 code Support for the cables

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A Guide to Installing and Supporting Electrical Cable Trays

Cable Tray Support Span: The distance between supports is a critical calculation. The cable tray support

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Cable tray install | Information by Electrical Professionals for ...

The design calls for four 12" cable trays vertically stacked with a concrete wall on one side. The trays are 6" apart with

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Cable tray support spacing: the span that decides your real load rating ...

A cable tray's published NEMA load class is only valid at the span it was tested at. Support spacing on the actual site

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Load over Span Considerations

In the case of electrical products such as cable tray or ladder (which are load rated in kilograms per metre), the span is the distance

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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

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INSTALLATION GUIDE

Center hung tray supports allow for quicker and easier cable installation by allowing cables to be deposited into tray systems from

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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

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Cable tray manual

Some of these criteria include the required load that the cable tray must support, the distance between the cable tray supports, and

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CABLE TRAYS GENERAL INFORMATION AND INSTALLATION

Cable tray systems are to be installed so they are accessible. If possible 300mm minimum should be left above or between installed

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BEAMA Best Practice Guide to Cable Ladder & Cable Tray Systems

This document provides guidance on best practices for installing cable ladder and cable tray systems, including channel support

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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),

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NEMA Standards Publication VE 2-2006

Consideration should be given to the loads associated with future cable additions (see section 6.3) or any other additional loads

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Precautions for Cable Tray Installation

Cable Tray Installation Guide The correct installation of cable trays is crucial for establishing a reliable and efficient cable system. It

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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

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Best Practice Guide to Cable Ladder and Cable Tray Systems

The radius for cable ladder and cable tray fittings is usually determined by the bending radius and stiffness of the cables installed on

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Core Principles for Electrical and Instrumentation Cable Tray Layouts

Avoiding Crossovers and Congestion: If trays must intersect, use multi-level layouts or bridges to avoid physical cable crossovers.

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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.

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Cable Support System Requirements

The physics of properly supporting data cable networks and electrical wires are easy to miss — unless you're in the business of

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FAQ | Cable Tray Institute

Cable Tray System FAQs National Electrical Code Question: We have a customer who would like to install the majority of cable tray

Contact Us

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