

Fixing Spacing Between Ordinary Cables and Cable Trays



Overview

Cable Types: Only use conductors rated for open-air environments, such as Tray Rated (Type TC) or Metal-Clad (Type MC) cables. Although BS 7671 touches on the subject of cable supports, it does not detail specifically what these support distances should be. 8 (Other Mechanical Stresses (A)) in that document provides requirements for cable support. Whether you are working on power distribution systems, industrial installations, or commercial projects, adhering to cable tray spacing standards ensures smooth operations and minimizes. 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. Cable ladder systems and cable tray systems shall be manufactured in accordance with BS EN 61537, channel support. OBO BETTERMANN has offered products and solutions for electrical installation for over 100 years. With our many years of experience, we are one of the leading manufacturers in this field. Separation of Electrical and Instrumentation Cables Electrical on Top, Instrumentation Below: Typically, electrical trays are positioned above instrumentation trays.



Article Content

Oct 30, 2025

Cable Tray Systems: Requirements and Best Practices

This article explains the main requirements and good practices for cable tray systems, including tray types, materials, loading, supports, bonding, cable selection, and installation details.

Mar 21, 2026

Cable Fixing Distances | Horizontal & Vertical Gaps

Q3 of 5 - What distances are required between fixings and how do you allow for horizontal and vertical distances? The guidance issued within the

May 25, 2026

Technical Guidelines for Cable Tray Installation and

Shortest and Straightest Path: To reduce cable loss and simplify maintenance, cable routes should be as short and straight as possible. Segregation of Power and

Oct 15, 2025

Guide to cable support systems

Widths of 8 and 15 millimetres enable flexible adjustment to different cable trays, cable ladders and cable volumes. With the help of the matching SBV tightening strap locks and 576 spring chuck, the

Jan 14, 2026

A Guide to Installing and Supporting Electrical Cable Trays

This guide covers the critical steps, from selecting the right electrical cable tray and performing accurate cable fill calculations to managing a safe cable pull through

Aug 21, 2025

Cable Support Distances

This provides distances for cables based on their diameter and cable type. Prysmian was instrumental in providing this information and an extract is provided in this document.

Jan 02, 2026

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 30, 2025

Precautions for Cable Tray Installation

When two sets of cable trays are installed on the same beam, the net distance between the two sets of cable trays should not be less than 50 mm. When multi

Jul 02, 2025

A Guide to Installing and Supporting Electrical Cable Trays

A professional guide to installing electrical cable tray systems per NEC Article 392. Covers support, securing cables, and fill calculations.

Oct 12, 2025

Proper Bracket Spacing for Cable Installations | CMW

Learn how much spacing should be between brackets when installing cables in walls, ceilings, and tight spaces. Tips for secure and compliant cable bracket installation.

Feb 11, 2026

Safety Distances Between Cable Trays and Pipes

Learn about the importance of cable trays and pipes safety distances in ensuring system reliability. Explore standards,

Aug 18, 2025

Guide to cable support systems

A cable support system consists of cable support lengths and system components, such as cable support fittings, support elements, mounting elements and system accessories. The cable support

Oct 10, 2025

Core Principles for Electrical and Instrumentation Cable

Industry standards often recommend at least 300mm (12 inches) of spacing between power and control trays to minimize EMI. Dividers or Partitions: Where cables

Jun 20, 2026

Core Principles for Electrical and Instrumentation Cable

2. Minimum Spacing and Segregation Spacing Standards: Electrical (power) and instrumentation (signal/control) cable trays should maintain a minimum vertical

Nov 19, 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

Apr 24, 2026

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.

May 18, 2026

How to Solve Excessive Cable Tray Installation Spacing?

Learn how to fix excessive cable tray installation spacing. Discover tips and solutions to improve safety, performance, and ease of maintenance for

Jan 31, 2026

Cable Tray Installation Rules (NEC 392) – Electrical Trader

Core rules for selecting, installing, grounding, and filling cable trays—clearances, materials, separation, and bonding explained.

Dec 10, 2025

Cable Tray Design, Layout, and Overall Wiring Planning

Learn about effective Cable Tray Design and Layout for electrical systems. Our guide covers planning, material choice, safety, and maintenance.

Dec 29, 2025

Cable Tray Spacing Standards for Installation and Safety

Discover the essential cable tray spacing requirements for safe and efficient installation. Learn key standards, horizontal and vertical spacing, and more.

May 15, 2026

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 support and accommodation of cables and possibly other electrical

Oct 01, 2025

Cable tray separation | Automation & Control Engineering Forum

In general, physical separation of cable trays for redundant safety-class circuits should be maintained by a minimum of three feet horizontal separation. Vertical stacking of redundant cable

Mar 17, 2026

Tie Down Practices for Multiconductor Cables in Cable Trays | Cable ...

Item #1- Conditions Requiring Cable Tie Down: The reasons for tying down cables are to keep them in the cable trays, to maintain the proper spacing between cables, or to confine the cables to specific

Jun 05, 2026

Product Advice: Bracket Spacing Considerations

Bracket Spacing Considerations: At Armaflo, we understand the importance of optimizing efficiency and cost-effectiveness in every aspect of your cable containment installation projects. One common

Feb 22, 2026

Safety Distance Between Cable Trays: What You Need

Learn the right safety distance between cable trays and ventilation or drainage systems. Follow these expert guidelines to ensure proper function and

Jun 01, 2026

Installation Of Cable In Cable Trays: NEC, Safety

Installation of Cable in Cable Trays ensures proper routing, cable management, NEC compliance, grounding, fire safety, and load capacity.

Contact Us

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