

What is the longest cable tray hanger



Article Overview

The longest commercially available cable tray hangers can reach up to 98 inches (8'2") in length, typically using trapeze-style supports for heavy-duty applications.

Types and Maximum Lengths

Trapeze Hangers: These are the most common for long spans and heavy loads. They use two vertical rods and a horizontal cross member to support the tray. Standard lengths include 12", 16", 22", 28", and up to 98 inches for large conduit or cable bundles (nVent Caddy CCT125). Trapeze hangers allow stacking multiple trays and provide excellent stability for industrial or data center installations.

Single Rod Hangers: Suitable for lighter loads such as network or fiber cables. These typically use a single threaded rod and are faster to install but are limited in span and load capacity.

Wall Brackets and L-Brackets: Used when ceiling space is limited or obstacles exist. Maximum horizontal reach depends on the bracket design, usually up to 12-22 inches for standard L or C brackets.

Recommended Spacing and Load Considerations

- For heavy power cables, supports should be spaced 1.5 meters (≈ 5 feet) apart, holding 150-200 kg per span.
- For medium loads, spacing can extend to 2 meters (≈ 6.5 feet).
- For light cables like fiber or computer wiring, spacing up to 3 meters (≈ 10 feet) is acceptable. Longer hangers reduce the number of supports needed but require careful consideration of load, material strength, and vibration. Diagonal sway bracing is recommended for rods longer than 6-9 meters to prevent swinging

Article Content

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What is Cable Trays in Electrical and Uses

Cable Trays are rigid structural system, comprising of unit or assembly of units/sections and associated fitting for

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Installation of Cable Tray, Trunking And Accessories

Before beginning installation, be sure that the method statement for installation of cable tray, trunking, and

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Cable Tray

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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),

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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

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Support methods

5 - Side hanger into position. Tray is held securely in position by means of a set screw, which prevents the wire from jumping out of

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Cable tray manual

Nearly every aspect of cable tray design and installation has been explored for the use of the reader. If a topic has not been covered

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HANGERS & BRACKETS Lengths Cable Ladder

QQ QQ Maximum QQ 300mm, the tray overhead hangers are suitable for use with all types of Vantrunk cable tray. The loading table

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

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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 Accessories, Support Bracket, Fittings & More

Cable Tray Hangers: These are a specialised type of cable tray accessory designed to support horizontal cable tray runs from

Contact Us

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