Height of the cable tray back support

Article Overview

The standard back support height for RS 60 cable trays is 60 mm.

Standard Back Support Details

For RS 60 cable tray systems, the rail height is 60 mm, which defines the vertical dimension of the tray and its back support structure . This height is consistent across tray widths ranging from 100 mm to 300 mm and applies to both ceiling and wall-mounted installations . The back of the TKS profile, which forms part of the support, must be stiffened with a spacer (TKSD 20) to ensure structural stability .

Support and Mounting Considerations

Cable tray supports are designed to handle the weight of cables and environmental loads. They can include cantilever brackets, pendant brackets, and ceiling suspensions, with threaded rods or adapters for secure attachment . The support spacing and placement are critical: supports should be installed close to joints (<=150 mm) and at intervals appropriate for the tray span and load . Proper installation ensures the tray maintains its height and alignment, preventing sagging or structural failure.

Compliance and Standards

The RS 60 system meets DIN 4102 Part 12 and other relevant standards, ensuring that the back support height and overall tray construction comply with safety and load-bearing requirements . For industrial or specialized installations, additional considerations such as load capacity, environmental exposure, and cable type may influence support design and height adjustments . In summary, for standard RS 60 cable trays, the back support height is 60 mm, and proper installation with stiffeners and appropriate brackets ensures compliance with safety and structural standards.

NEMA Standards Publication VE 2-2006 Cable Tray Installation Guidelines Published by: National Electrical Manufacturers

Cable ladders and cable trays should be mounted far enough off the floor or roof to allow the cables to exit through the bottom of the

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

Height of the cable tray back support

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

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads.

Ventilated trough cable tray is often used when the specifier does not want to use ladder cable tray to support small diameter

FEATURES Supports horizontal/vertical and overhead cable management Durable black or gray powder coat finish Supports UTP or

Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure the

In accordance with its continuous impro-vement policy, Legrand reserves the right to change the specifications and illus-trations

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

100% Canadian Owned, CSA and UL certified. Complete technical support and service for Unitray product lines. Custom sizing and

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market

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

The STL, STM and STIC vertical cable ladders meet the exact specifications of DIN 4102 Part 12, such as the rail height and the

Cable trays are not raceways, but they are treated as a structural component of a facility"s electrical system. Cable trays are a part of

Cablofil wire mesh tray and sup-ports are designed to support any cable load allowed by the NEC when supports are spaced on 8"

Web: https://bssoda.pl