

Article Overview

Mobile frames, including hoisting frames and cross arms, provide flexible and stable support for cable trays in overhead or wall-mounted installations.

Types of Mobile Frames

1. Hoisting Frames:

- o Designed for small-sized cable trays.
 - o Advantages: low cost, easy installation, and practical for less demanding applications.
 - o Typical setup includes the hoisting frame, a suspension rod, and a five-piece fastening kit.
 - o Recommended installation ratio: one hoisting frame per 1.5 to 2 meters of cable tray, each with one suspension rod and one fastening kit for stability and support .
- ### 2. Cross Arms:
- o Suitable for large-sized cable trays requiring more robust support.
 - o Advantages: good stability, facilitates maintenance, and supports heavier cable loads.
 - o Each cross arm requires two suspension rods and two sets of five-piece kits.
 - o Recommended installation ratio: one cross arm per 1.5 to 2 meters of cable tray .

Accessories and Components

- o Suspension Rods (Lead Screws): Connect the ceiling to hoisting crossbars; adjustable and can be cut to length on-site. Often used with expansion components and nuts for secure attachment .
- o Support Brackets: For horizontal or vertical wall installations, providing stability and ease of maintenance .
- o Bolts and Connectors: Ensure secure fixation of wall-mounted or floor-mounted supports and maintain continuity between cable tray sections .

Modular Metal Framing Systems

- o Systems like Kindorf(R) 1 1/2" modular channels or Superstrut(R) 1 5/8" metal framing allow flexible support for cable trays, pipes, and other electrical components.
- o Benefits include interchangeable parts, multiple plating options, and reduced labor due to modularity .
- o Fasteners like E-Klips springsteel clips enable quick attachment to steelwork without drilling or nuts/bolts .

Installation Considerations

- o Ensure adequate spacing between frames or cross arms to support the cable tray's weight and prevent sagging.
- o Use appropriate suspension rods for vertical support, especially in overhead installations.

Mobile frame for installing cable trays

- o Select frame type based on tray size, load, and maintenance requirements.
- o Follow standards such as DIN EN 61537 for cable support systems to ensure safety, durability, and compliance . Mobile frames provide a versatile and reliable solution for cable tray installations, allowing for both small and large tray systems to be securely supported while maintaining accessibility for maintenance and future modifications.

Whether you're planning MEP installations such as pipe and cable tray supports, or access platforms and integrated floors for energy

Step-by-step on-site guide: learn how to plan, mark, support, and install cable trays correctly, from shop

This document provides details on installing cable trays and their support systems. It includes diagrams showing how to mount cable

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Cable Tray Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and

Discover efficient cable tray support structures for optimal cable management. Learn about

2. Purpose This method statement for the Installation of Cable Tray, Trunking, and Accessories shows and explains

Cable Management Support Systems Cable Support Systems are well designed to provide necessary support for cable trays, cable

Proper installation and maintenance of cable tray and cable ladder systems are vital to maximize their benefits and

Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span),

We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation. Our

Posted on: 30/04/2025 Regarding cable management, the fixing and mounting you choose for your cable trays can make or break



Mobile frame for installing cable trays

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

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Cable tray systems are the perfect solution for running large quantities of power or data cables overhead or under-floor. Also known

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