

Cable tray support frame installation method

Article Overview

Installing a cable tray support frame requires careful planning, proper spacing, and secure mounting to ensure safety and compliance with electrical codes.

Step 1: Plan the Route and Layout

Before installing the support frame, determine the path of the cable tray. Ensure the route is clear of obstructions such as pipes, HVAC ducts, or structural elements. Use a chalk line or laser level to mark the path on walls or ceilings, and identify locations for bends, tees, or elevation changes .

Step 2: Select the Right Support Type

Choose supports based on the tray type and load. Common options include wall-mounted brackets, ceiling struts, or center-hung supports. Center-hung supports allow easier cable installation from both sides and are suitable for heavier loads . Ensure the support type matches the tray material and environmental conditions.

Step 3: Determine Support Spacing

Support spacing depends on the tray type and cable load. Standard intervals are typically 1.5 to 3 meters (5-10 feet), but always check the manufacturer's specifications. For center-hung supports, the maximum spacing can be up to 3.6 meters, with a load capacity of 318-340 kg (700-750 lbs) per hanger

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INSTALLATION GUIDE

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To install the cable tray supports, first find the required elevation from the floor to the bottom of the cable tray and establish a level

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Support methods

The tray is then attached to the bracket using either a bracket clamp (see page C35) in the case of the "L" bracket or integrated bend

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Installations of Cable Trays Method Statement – Your Best Step By

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This method statement covers the site installation of the cable tray & ladders and the requirements of checks to be

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