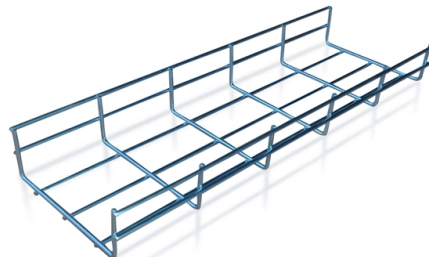


Fixing Metal Cable Trays



AI Overview

Metal cable trays are fixed using wall brackets, suspended supports, center supports, and mounting elements to ensure secure, code-compliant installation. Common Fixing Methods

1. **Wall and Support Brackets** Wall brackets are used to attach cable trays directly to walls or vertical surfaces. They provide lateral support and maintain the tray at the desired height. Brackets are typically made of steel or stainless steel and may be galvanized for corrosion resistance, especially in industrial or outdoor environments .
2. **Suspended Supports (Hangers)** Suspended supports involve hanging the cable tray from ceilings or overhead structures using rods, chains, or threaded hangers. This method is ideal for long horizontal runs where wall mounting is not feasible. The hangers are spaced according to the tray type and load, ensuring stability and preventing sagging .
3. **Center Supports** For wide or heavily loaded trays, center supports are installed beneath the tray to provide additional structural support. These can be fixed to floors, beams, or other structural elements and help distribute the weight evenly, reducing stress on the tray and fasteners .
4. **Mounting Plates and Accessories** Mounting plates are used to attach junction boxes, devices, or other equipment to the cable tray system. Accessories such as barrier strips, covers, and cable protection rings can also be fixed using screws, bolts, or clamps to enhance safety and organization .
5. **Direct Fastening to Structural Elements** In some cases, cable trays can be directly bolted or clamped to steel beams, concrete ceilings, or other structural elements. This method requires careful consideration of load, vibration, and thermal expansion to maintain integrity over time .

Installation Considerations

Material and Corrosion Protection: Steel, stainless steel, and aluminum trays may require galvanization or protective coatings depending on environmental conditions .

Support Spacing: Ladder-type trays typically require supports every 1.5 to 3 meters, while solid-bottom trays may need closer spacing to prevent bending .Lo...

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ER Trunking Cable Trays

About this product Cable trays are systems used for the safe transportation and protection of electrical cables, designed to fit the pathways within buildings and structural installations. Type: Trunking

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Unigroup supplies perforated, ladder, and galvanized cable trays in Dubai, Abu Dhabi, and Sharjah with full support systems and installation accessories.

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

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