

Making of Cable Fixing Clips for Vertical Cable Trays



Overview

Choose from our selection of cable tray clips in a wide range of styles and sizes. Same and Next Day Delivery.

Key Takeaways

Cable fixing clips for vertical cable trays should be made from durable materials like spring steel or stainless steel and installed at recommended intervals to ensure compliance with BS 7671 and structural safety.

Cable fixing clips are typically made from spring steel (CS70) or stainless steel to provide strength and durability, especially for vertical installations where gravity exerts continuous load on the cables. Plastic clips can be used as supplementary supports but cannot serve as the sole support in access or egress routes according to the 18th Edition of the IET Wiring Regulations (BS 7671). Clips may include metal saddles or stainless steel cable ties to secure cables without damaging insulation. Push-on clips are also available for quick attachment to steelwork such as beams, rods, or flanged purlins.

Manufacturing Considerations

When making clips for vertical cable trays:

- Ensure spring tension or rigidity is sufficient to hold cable bundles without deformation.

- Include slots or holes for cable ties or screws to allow secure attachment to the tray or supporting structure.
- Consider corrosion resistance, especially in industrial or outdoor environments.
- Design clips to accommodate various cable diameters and bundle sizes, ensuring minimal mechanical strain on the cables .

Installation Guidelines

For vertical cable trays:

- Spacing of clips: Metal clips should be installed approximately every 400mm for exposed vertical cables . The exact spacing may vary depending on cable weight, diameter, and stiffness, calculated using methods like the Heinhold method to prevent sag or mechanical strain .
 - Attachment methods: Clips can be mounted directly to the tray, wall, or supporting structure using threaded rods, brackets, or trapeze supports . Push-on clips allow quick fixing to steel beams or rods .
 - Support for heavy cables: Use metal containment or tray hangers in combination with clips to distribute weight evenly and prevent cable damage .
 - Compliance: Ensure installation follows BS 7671 spacing and support requirements, particularly in access and egress routes, using metal fixings as the primary support .
- #### Best Practices
- Use stainless steel clips for fire-resistant or high-temperature environments.
 - Regularly inspect clips and fasteners for wear or loosening.
 - Combine metal clips with cable ties for additional security without relying solely on plastic components .
 - Adjust clip placement to avoid interference with tray rungs, connectors, or other hardware . By following these guidelines, cable fixing clips for vertical cable trays will provide safe, durable, and code-compliant support for electrical installations.

Article Content

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- Ideal for mounting cable tray from structural I-beams
- Attach to threaded rods for hanging cable trays

Cable Tray Installation Guidelines

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

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On completion of cable tray/ ladder installation including fittings, inspect exposed finish. Remove burrs & construction

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Cable Support Systems

Cable tray cover is used for extra demanding conditions, e.g. in case of exposure to

GRP/FRP Mita Flex Installation Guidelines

When installing cable ladder or tray product from Wibe, ensure that you use original parts which make up part or all of the main

Vertical Cable Tray Fixing Clamp

The vertical cable tray fixing clamp typically consists of a metal bracket with pre-drilled holes for screws or bolts. The clamp is

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Learn about effective Cable Tray Installation and Maintenance. Get practical tips for planning,

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Learn everything about cable tray installation with our complete guide. Discover types, steps, and safety tips for

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