

Secure the cable tray cover plate

Article Overview

Cable tray cover plates should be secured using specialized clips or clamps designed for the tray type and installation conditions.

Common Methods to Secure Cover Plates

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Snap-On Clips: These are pressure-fit clips that snap onto the side of the cable tray and grip the cover. They are typically made from 304 stainless steel, offering corrosion resistance for indoor and some outdoor applications. Snap-on clips are quick to install, reusable, and cost-effective, making them ideal for areas where covers may need to be removed for maintenance, though they are less suitable for high-vibration environments .

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Mechanical Cover Clamps: For more demanding conditions, such as exposure to wind, vertical installations, or high-vibration areas, mechanical clamps like PKP-SP1, PKP-SP2, and PKP-SPM1 are recommended. PKP-SP1 and PKP-SPM1 are screwed into position, while PKP-SP2 can be installed without tools. These clamps provide additional mechanical fastening and are suitable for perforated or mesh cable trays .

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Bolted or Screwed Fasteners: In some installations, especially for heavy-duty or outdoor trays, screws or bolts may be used to secure the cover plate directly to the tray. This method ensures maximum stability and is often required by NEMA VE2 installation standards for certain environments .

Considerations for Choosing the Right Fastening Method

o **Tray Type:** Ladder, perforated, or mesh trays may require different clips or clamps. Perforated trays often use PKP-SP1 or PKP-SP2 clamps, while mesh trays use PKP-SPM1 .

o **Environmental Conditions:** Outdoor, high-vibration, or vertical installations require more secure mechanical fastening rather than simple snap-on clips .

o **Maintenance Access:** If covers need to be frequently removed, reusable snap-on clips or tool-free clamps are preferred .

o **Compliance:** Ensure that the chosen method aligns with NEMA VE2 standards and any applicable electrical codes for mechanical integrity and safety .

By selecting the appropriate clips or clamps based on tray type, environmental conditions, and maintenance needs, you can ensure that cable tray cover plates remain secure, safe, and code-compliant.



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The Cable Tray Institute is making available the current edition of this practical guide for the proper installation of aluminum or steel

These guidelines are not intended to cover all details or variations in cable ladder and cable tray installation and do

Protect your cables with Spina Group cable tray covers. Available for ladder and perforated trays in HDG,

Learn about the best cable tray cover fixing accessories like no-weld clips, seven-shaped

A bare copper equipment grounding conductor should not be placed in an aluminum cable tray due to the potential for electrolytic

Welcome to our step-by-step guide on installing cable trays! In this video, we'll explore the

MP Husky offers a wide variety of cable tray covers to provide protection for the cables contained within the system from sunlight,

Learn how to install cable trays correctly. Get the ultimate step-by-step guide on setting up a seamless and reliable

Cover - Cover, lockable.

This guide covers cable ladder systems, cable tray systems, channel support systems and associated supports intended for the

Cable Tray Cover Fabrication While many cable trays remain uncovered, those that run under or along the floor require a strong and

Conductors used in cable tray must be specified in Table 19 of the CEC and, except where permitted under paragraphs [12-2202(2)]

Instead of large conduits, cable channel may be used very effectively to support cable drops from the cable tray run to the equipment

Section 5 "Maintenance" is the final section covers inspecting, removing inactive cables and adding cables to existing cable trays.

Our cable tray cover clamps are meticulously designed to provide a secure and reliable



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LADDER TRAY IS A MECHANICAL SUPPORT SYSTEM FOR CABLES AND IS NOT TO BE USED AS A WALKWAY, LIFTING

Web: <https://in-au.co.za>

