

How to secure the cable tray cover

Article Overview

Cable tray covers can be securely fastened using clips, clamps, or screws, depending on the level of security and environmental conditions required.

Common Methods for Securing Cable Tray Covers

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Snap-On Clips: These are quick-install accessories that press into place without welding. The main body of the clip fits inside the tray, while a smaller part grips the cover, creating a stable connection. They are typically made from 304 stainless steel, making them resistant to rust and suitable for indoor and some outdoor applications. Snap-on clips are reusable and ideal for areas where covers may need frequent removal for maintenance, but they are less suitable for high-vibration environments .

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Clamp-Style Clips: Shaped like the number seven, these clips slide onto the edge of the tray and lock the cover down by clamping both the tray and cover together. Some models include a screw for a more permanent hold. These provide maximum security and are suitable for areas with vibration or heavy-duty use .

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Screw or Bolt Fasteners: For a more permanent installation, covers can be secured using screws or bolts through pre-drilled holes in the tray and cover. This method ensures the cover cannot be accidentally dislodged and is ideal for industrial or high-traffic areas .

Installation Tips

o **Material Selection:** Use corrosion-resistant materials like stainless steel for durability, especially in humid or outdoor environments .

o **Proper Alignment:** Ensure the cover is properly aligned with the tray edges before fastening to prevent gaps that could allow dust or debris inside .

o **Check for Vibration:** In areas with mechanical vibration, prefer clamp-style clips or screw fasteners over snap-on clips to prevent loosening .

o **Accessibility:** Consider future maintenance needs; reusable clips allow easier access to cables without removing screws or bolts .

Safety and Compliance

Securing cable tray covers properly protects cables from physical damage, dust, and debris, and ensures compliance with electrical safety standards. Regularly inspect fasteners for wear or loosening, especially in industrial or high-vibration settings, to maintain system integrity .



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By selecting the appropriate fastening method and material, and following proper installation practices, cable tray covers can be safely and securely secured for long-term reliability.

PKP-SP2 cover clamp is also used for perforated cable trays, but it does not require to

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

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