

How to fix the cable tray cover plate on the facade



Overview

A simple guide on how to replace cable trays. Learn about the process, safety tips, and what to look out for.

Key Takeaways

Cable tray cover plates can be securely fixed using pressing plates, screws, clips, or buckles, depending on the installation type and environment.

Common Fixing Methods

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Pressing Plate Fixing: Punch holes in the cover plate, place a pressing plate over it, and secure with screws. This method works for both horizontal and vertical installations and provides strong stability .

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Screw Fastening: Punch holes in the cover plate and use screws or rotating plates to attach the cover to the tray. Suitable for horizontal or vertical trays, this method ensures a permanent hold .

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Buckle Fixing: Bend folds at both ends of a buckle to secure the cover without punching holes. Best for horizontal trays, but vertical installations may risk slippage .

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Padlock or Seven-Shaped Clip Fixing: Clips or seven-shaped buckles snap onto the tray and cover, often made from 304 stainless steel for corrosion resistance. They are quick to install, reusable, and ideal for areas requiring frequent access .

Installation Tips

- Center the Cover: Ensure the cover is aligned with the tray edges before fixing .
- Use Appropriate Hardware: Depending on tray material, use self-tapping screws, carriage bolts, or nylon lock nuts to secure the cover .
- Consider Environment: For wet or corrosive areas, stainless steel accessories are recommended .
- Support and Spacing: Ensure tray supports are adequate and maintain proper spacing to prevent deformation under load .
- Compliance: Follow NEMA standards and local building codes for safety and reliability .

Choosing the Right Method

- Frequent Access Needed: Use no-weld clips or rotating buckles for easy removal.
- Permanent Fix: Use riveting buckles, screws, or pressing plates for maximum stability.
- Vibration-Prone Areas: Prefer screws or riveted buckles to prevent loosening.
- Tray Size: Wider trays may require multiple clips or hoops for secure attachment .

By selecting the appropriate fixing method and hardware, you can ensure the cable tray cover plate is secure, safe, and easy to maintain.

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