

Cable tray cover plates need to be fixed

Article Overview

Cable tray cover plates can be securely fixed using pressing plates, screws, buckles, padlocks, or seven-shaped buckles, depending on installation type and load requirements.

Common Fixing Methods

- **Pressing Plate Fixing** The cover plate is punched with holes, and a pressing plate is applied over it. Screws are used to secure the cover plate to the tray. This method works for both horizontal and vertical installations and provides strong, reliable fixation .
- **Screw Fastening** Holes are punched in the cover plate, and screws or rotating plates are used to attach the cover to the tray. This method is suitable for all orientations and ensures a secure, long-lasting connection .
- **Buckle Fixing** The cover plate is attached without punching by bending folds at the ends of a buckle. This method is limited to horizontal installations, as vertical setups may cause the cover to slip .
- **Padlock Fixing** For added security, padlocks can be used to prevent unauthorized removal of the cover plate. This is particularly useful in industrial or high-security environments .
- **Seven-Shaped Buckle Fixing** A specialized buckle design that locks the cover plate in place, providing moderate strength and quick installation. Suitable for light-duty applications .

Mounting and Support Considerations

- **Wall-Mounted Brackets:** Ideal for securing trays against walls, preventing sagging,...

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Metal Cable Tray Installation Guidelines | Cable Tray Institute

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CABLE TRAYS GENERAL INFORMATION AND INSTALLATION

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