

How to build a support for side-by-side cable trays



Article Overview

Side-by-side cable trays can be securely supported using properly spaced hangers, cross members, and tray clips to ensure load distribution, alignment, and safe cable management.

Key Considerations

When installing side-by-side cable trays, the support system must account for:

- Load capacity: Each hanger should support the combined weight of the trays and cables, typically up to 318–340 kg per hanger .
- Support spacing: Maximum spacing between supports is generally 3.6 meters, but this may vary depending on tray type and load .
- Alignment: Trays must be level and parallel to prevent sagging and ensure proper cable routing .
- Material selection: Steel or stainless steel is commonly used, with galvanization or corrosion-resistant coatings for durability .

Support Methods

- Trapeze or Swing Support
- Install vertical hangers from the ceiling or structural beam.
- Thread hex nuts 25–50 mm above the tray bottom and slide on square washers.
- Attach a cross member between hangers, ensuring holes are slightly larger than the all-thread rod for adjustment....

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