

Crossarm connecting cable tray



AI Overview

Adding a crossarm to a cable tray provides stable support for larger or heavier cable installations, ensuring proper load distribution and long-term reliability.

Selecting the Crossarm

Crossarms are typically made of Q235 low-carbon steel and are available in U-shaped or L-shaped profiles with thicknesses of 2.5mm, 3mm, or 4mm depending on the load requirements . Standard lengths usually match the width of the cable tray, commonly 300mm, 400mm, or 500mm. For heavy-duty applications, stiffened crossarms with wider flanges (60–80mm) may be required to handle loads exceeding 300N/m .

Installation Components

To install a crossarm, you will need:

- Crossarm brackets to attach the crossarm to the cable tray sides using bolts .
- Suspension rods (lead screws) to connect the crossarm to ceiling or overhead supports .
- Five-piece fastening kits for secure attachment of rods and crossarms .
- Optional reinforcing strips for mesh cable trays to enhance structural stability .

Installation Steps

- Determine spacing: Install crossarms at intervals of 1.5 to 2 meters along the cable tray to ensure adequate support .
- Attach crossarm to tray: Bolt the crossarm to the side connectors of the cable tray...

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Lengths of tray lock together in a matter of seconds with no connection components or tools and with no loss of stability or load

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