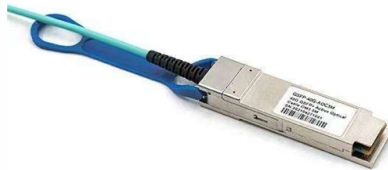


How to put cables inside the cable tray



Summary of Content

Cables should be carefully laid into the tray in an organized manner, maintaining proper spacing, avoiding sharp bends, and securing them at regular intervals to ensure safety and compliance.

Preparation Before Inserting Cables

Before placing cables into the tray, ensure the following:

- Verify the tray and cables: Check that the cable type, size, and quantity match the design specifications and that the tray is free of debris or sharp edges that could damage insulation .
- Plan the route: Confirm the tray path, including bends, tees, and risers, and ensure there are no clashes with other services like HVAC ducts or pipes .
- Check tray capacity: Ensure the cable fill does not exceed 40-50% of the tray's capacity to prevent overheating and maintain airflow .

Inserting the Cables

- Organize cables: Group cables by type or function, keeping power, control, and communication cables separated if required.
- Lay cables carefully: Place cables gently into the tray, avoiding sharp bends or kinks. Use cable tray rollers for long runs to reduce stress on the cables .
- Maintain spacing: Follow recommended spacing guidelines to prevent overheating and allow for future maintenance. For ladder trays, maintain proper rung spacing (typically 150-230 mm) .

Article Content

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