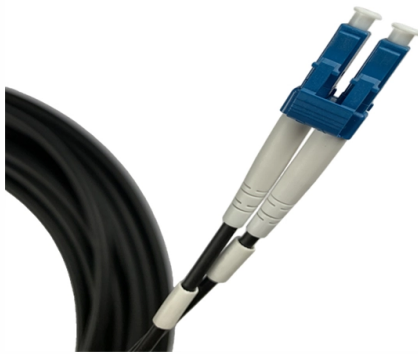


Installation Method of Ceiling-Mounted Cable Trays



Article Overview

Ceiling-mounted cable trays are installed by planning the route, selecting the appropriate tray type, securing supports to the ceiling, and carefully routing and grounding cables for safety and compliance.

Planning and Preparation

Before installation, review approved shop drawings to determine tray layout, length, and location, ensuring horizontal and vertical runs are clearly marked and coordinated with other services . Inspect all materials for damage and verify they meet project specifications. Store trays horizontally on flat surfaces with timber supports to prevent warping or moisture damage . Ensure the ceiling area is clean and cleared for MEP work.

Selecting Tray Type and Material

Choose a tray type based on load, cable type, and environment:

- Perforated trays: Solid base with holes for ventilation, suitable for general power and data cables .
- Wire mesh trays: Lightweight, flexible, and easy to modify, ideal for data centers or areas with frequent changes .
- Ladder trays: Support heavy power cables and allow airflow. Material selection depends on environmental conditions:...

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