

Fixing of cable trays in the computer room



Article Overview

Cable trays in computer rooms are fixed using supports such as rods, beam clamps, hangers, brackets, and fasteners like bolts and lock nuts to ensure stability and safety.

Common Methods and Hardware

1. **Rods and Hangers:** Pre-cut metal rods or trapeze hangers are commonly used to suspend cable trays from ceilings. They provide vertical support and can hold multiple trays stacked together, especially for heavy power or data cables. Rods are typically spaced 1.5 to 2 meters apart, with closer spacing for heavier cables to prevent sagging or bending .
2. **Beam Clamps:** For attaching trays to steel beams, beam clamps are used. These clamps grip the beam without drilling, providing a secure and less labor-intensive method to support trays .
3. **Lock Nuts and Bolts:** Lock nuts are essential for securing rods, brackets, and clamps, particularly in environments with vibration, such as near large machinery. They prevent loosening over time and maintain tray stability . Bolted connections are also used with splice plates to join tray sections end-to-end or at junctions, ensuring a strong mechanical connection .
4. **Brackets and Trapeze Supports:** Wall-mounted brackets or trapeze supports can...

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Cable trays are one of the common and inherent facilities in computer room equipment. Due to their large size, there

Contact Us

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