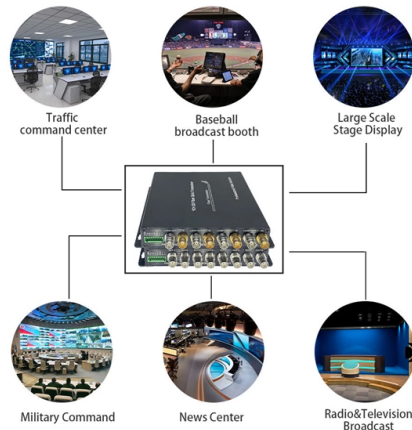


How to set up a mesh cable tray



Article Overview

Installing a mesh cable tray involves careful planning, assembling the tray sections, mounting supports, and organizing cables efficiently for safety and accessibility.

1. Planning and Preparation

Before installation, plan the cable tray route using CAD drawings or BIM models to mark horizontal bends, vertical risers, tees, and reducers . Calculate the total cable load to determine the tray width, depth, and support span, typically adding a safety factor of 1.5 times the actual load . Gather tools such as hydraulic or electric bolt cutters, a laser level, tape measure, plumb line, and a torque wrench for precise alignment and secure fastening . Pre-sort accessories like brackets, clamps, and grounding jumpers for easy access during installation .

2. Installing the Support System

The support system is the foundation of the tray. Standard support spans range from 1.5 to 2.5 meters (5-8 feet) depending on load and tray specifications . Supports can be mounted to walls, ceilings, or floors using appropriate anchors and brackets. Ensure supports are level and aligned using a laser level or plumb line . Wall-mounted trays often use YPK wall supports with M6 screws and nuts for secure attachment .

3. Assembling the Mesh Cable Tray

Mesh cable trays come in sections that can be easily connected. Use the manufactu...

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Cablofil wire mesh tray and sup-ports are designed to support any cable load allowed by the NEC when supports are spaced on 8"

Contact Us

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