

How to easily remove cable trays and cables



Overview

This method statement details the procedures for dismantling cable trunking that is affected by strengthening columns.

Key Takeaways

Safe and efficient removal of cable trays and cables involves de-energizing circuits, securing cables, disassembling trays, and proper handling and disposal of materials. Safety and Preparation

Before starting, de-energize all circuits and verify with a voltage tester to ensure no live current is present, especially for high-voltage power cables . Remove flammable items and assess risks from working at heights, using fall protection and insulating mats where necessary . Gather the appropriate tools and personal protective equipment (PPE), including gloves, safety glasses, wire cutters, utility knives, fish tape, and wrenches .

Cable Tray Removal

- **Identify and Document:** Review project drawings and mark the exact locations of trays. Create a detailed map of cable routes and connections .
- **Support Structure Disassembly:** Loosen bolts on the furthest supports first, using jacks or temporary supports to transfer loads. Remove crossbeams carefully to avoid stress on the structure .

- **Tray Body Removal:** Lift straight sections as one piece when possible. For turns or bends, disassemble section by section. Treat aluminum or fiberglass trays gently to prevent bending or breaking .

- **Protect Cables:** Secure cables during tray removal using racks or anchor points every 2 meters for vertical runs. Separate power and control cables to prevent interference .

Cable Removal Techniques

- **Disconnect and Label:** Identify active and inactive cables, label them, and disconnect from devices or patch panels .

- **Cutting and Pulling:** Use wire cutters for inactive cables. For cables in conduits, use fish tape and cable lubricant to pull them out carefully. If cables are stuck, cutting the conduit may be necessary .

- **Staples and Clamps:** Remove staples or clamps securing cables to walls or joists using side cutters or wrenches, taking care not to damage insulation .

- **Organize and Store:** Coil reusable cables properly, seal ends with caps, and sort materials for recycling or disposal .

Handling and Disposal

- **Material Sorting:** Separate metals, plastics, and other materials for recycling .

- **Environmental Compliance:** Dispose of obsolete cables according to local regulations, and recycle whenever possible .

- **Documentation:** Update cable maps and records to reflect removed or relocated cables, ensuring future maintenance is simplified .

Best Practices

- **Avoid bending cables below manufacturer-recommended radii and prevent twisting of armored cables .**

- **Use cable rollers or intermediate pulling points for long runs to reduce mechanical stress .**

- **Conduct regular audits to identify obsolete cables and maintain a clean, safe infrastructure .** By following these steps, cable tray and cable removal can be performed safely, efficiently, and in compliance with industry standards, minimizing damage to infrastructure and ensuring proper handling of materials.

Article Content

Cable Trunking Dismantling Method Statement

This method statement details the procedures for dismantling cable trunking that is affected by strengthening columns. The scope is

Cables & Wires Handling Storage and Pulling Method Statement

All cables will be clearly marked on both ends with the suitable cable markers or masking tape indicating the source and destination.

How to Remove All Types of Cable Clips Like a Pro

When there are only a few cable clips, one can remove them with just a bit of effort. But when there is a large amount, it can be a

How to Remove Cable Wiring

Remove any caulked wire connections, if necessary. Cable companies tend to run wires straight inside to televisions inside the

Cable Tray and Conduit Installation Guide

This method statement outlines the procedures for installing cable trays and conduits, including: 1) preparing materials and tools, 2)

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