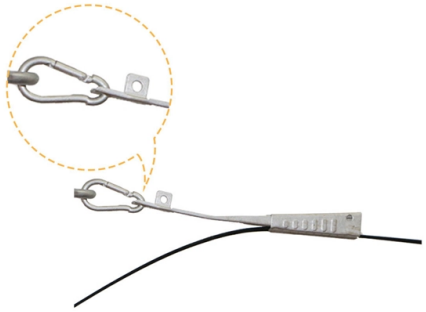
Vertical Shaft Cable Tray Removal Plan



Overview

B-Line series Cable Tray Design ConsiderationsOur wind certification report provides you with list of acceptable B-Line series cable tray supports, fitting.

Key Takeaways

Removing cable trays from vertical shafts requires careful planning, proper support, and strict adherence to safety protocols to prevent accidents and cable damage.

Safety Considerations

Vertical shaft cable tray removal is inherently hazardous due to the risk of falling objects, cable tension, and potential free-fall of cables. All work should be performed by qualified personnel familiar with vertical installations, and appropriate personal protective equipment (PPE) such as helmets, harnesses, and gloves must be used. Ensure that the shaft is clear of non-essential personnel and that a fail-safe system is in place to prevent cables or tray sections from falling.

Pre-

Removal Planning

Inspection: Examine the cable trays, supports, and attached cables for structural integrity and potential hazards. Documentation: Review installation drawings and note tray elevations, bends, and intersections to plan the sequence of removal. Support and Securing: Before detaching any tray sections, secure cables and tray segments with temporary supports or slings to prevent uncontrolled movement.

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Removal Procedure

Disconnect Cables: Remove or safely disconnect all cables from the tray. For high-voltage or armored cables, ensure proper grounding and follow electrical safety protocols. Dismantle Tray Sections: Start from the top of the shaft and work downward.

Detach tray sections using appropriate tools, ensuring that all cut edges are deburred and treated to prevent injury. Lowering Sections: Use mechanical hoists, pulleys, or controlled lowering systems to safely bring tray sections to the ground. Avoid free-fall or uncontrolled descent.

Intermediate Supports: For long vertical runs, implement intermediate supports or guide ropes to control the movement of tray sections and prevent swinging.

Post-

Removal Actions

Inspect cables for damage and repair or replace as necessary. Store removed tray sections in a safe, dry location to prevent corrosion or deformation. Document the removal process for future reference and compliance with safety standards.

Key Recommendations

Avoid attempting removal without professional supervision, especially in high-rise or deep shaft installations. Maintain a minimum clear space around the shaft to allow safe handling of tray sections. Use mechanical lifting devices rather than manual handling for heavy or long tray sections to reduce risk of injury.

By following these guidelines, vertical shaft cable tray removal can be conducted safely, minimizing risk to personnel and equipment while ensuring compliance with electrical and structural standards.

Article Content

B-Line series Cable Tray Design Considerations

Our wind certification report provides you with list of acceptable B-Line series cable tray supports, fittings and covers based off of the environmental conditions, cable loading, and type of cable tray in your

Method Statement For Cable Pulling and Final Electrical Connections

This procedure covers the method for all the cable pulling, electrical connections and terminations for cables running on cable ladders and cable trays. Electrical method also covers all associated cables

LV & HV Cable Laying Method Statement

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It details the scope, references, tools, safety procedures, and operational procedures for cable delivery, inspection, laying in trenches or trays, pulling, dressing, tagging, termination, testing

Cable tray manual

These documents: ANSI/NEMA VE-1, Metal Cable Tray Systems; NEMA VE-2, Cable Tray Installation Guidelines; and NEMA FG-1, Non Metallic Cable Tray Systems, are an excellent industry resource in

Cables & Wires Handling Storage and Pulling Method

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

INSTALLATION GUIDE

Vertical cable tray elbows at the top of runs should be supported at each end. At the bottom of runs, they should be supported at the top of the elbow and within 610 mm (24") of the lower extremity of the

Cable Tray Technical Guide A practical guide to product selection and ...

Cable tray is considered to be a system. It must provide continuous support for cables, and the electrical continuity of the cable tray system must be maintained.

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian Electrical Code, Part I and the National Electrical Code®

MV, LV, ELV & Telecom Cable Pulling and Installation Method for ...

Mandrel the pipes end to end prior to cable pulling to assure removal of any obstruction and to avoid clogging during cable works. After the installation is completed, an inspection request

Cable Tray Technical Guide A practical guide to product selection and ...

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray characteristics, installation, and

Cable Tray Installation and Cable Handling Method Statement

Efficient cable tray installation and proper cable handling are critical for ensuring the reliability and safety of electrical systems. Adherence to these guidelines is essential:

Cable Tray Trunking & Ladder Installation Method for Projects

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Cable Tray, trunking and ladder will be properly supported and stacked in a flat surface. Tray, trunking and ladder will be stored in a covered area to prevent water or other foreign materials

METHOD STATEMENT FOR CABLE TRAY INSTALLATION

7.1.9 Self standing support for cable tray shall be made of I-beam channel vertically installed and supported with concrete foundation, anchor bolt grouting, etc.

Cable Tray Spacing Standards for Installation and Safety

Key Factors Impacting Cable Tray Spacing Understanding cable tray spacing is key to meeting safety regulations and maintaining system

Cable Tray Installation and Maintenance Considerations

Learn about effective Cable Tray Installation and Maintenance. Get practical tips for planning, fitting, and looking after your cable trays.

Best Practice Guide to Cable Ladder and Cable Tray Systems

This guide covers cable ladder systems, cable tray systems, channel support systems and associated supports intended for the support and accommodation of cables and possibly other electrical

Method Statement installation of Cable Trays and Ladders

This method statement covers the site installation of the cable tray & ladders and the requirements of checks to be carried out.

Cable Tray Installation Procedure Guide

This document provides procedures for installing cable trays according to international standards. It describes inspecting and storing cable trays upon

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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