

Article Overview

Cable tray lifting lugs should be installed at designated points, aligned with the tray's structural support, and securely fastened to ensure safe lifting and handling.

Selection and Preparation

Before installation, verify the lifting lug type and load rating to match the weight of the cable tray and its contents. Only use lugs approved by the manufacturer or specified in the project design. Inspect the tray for structural integrity, ensuring no damage or deformation exists at the intended lifting points. Clean the surface to remove debris, rust, or coatings that may interfere with secure attachment .

Installation Steps

- o Identify Lifting Points: Lifting lugs should be positioned at the ends or midpoints of the tray sections, depending on the tray length and weight distribution. Avoid placing lugs near joints or unsupported spans .
- o Align and Mark: Place the lug against the tray flange or side rail, ensuring it is perpendicular to the lifting direction. Mark the bolt or weld locations according to the lug design.
- o Attachment Method:
 - o Bolted Lugs: Drill holes in the tray flange as per the lug specifications. Use high-strength bolts and washers, tightening to the recommended torque. Ensure bolts do not interfere with cable placement or tray covers .
 - o Welded Lugs: If welding is permitted, tack weld the lug first, then complete the weld along the designated seams. Ensure the weld is continuous and free of cracks or porosity. Only qualified personnel should perform welding .
- o Inspection: After installation, inspect each lug for secure attachment, alignment, and absence of deformation. Verify that the lifting points can safely support the tray's weight plus any additional load from cables .

Safety Considerations

- o Do not exceed the rated load of the lifting lug or the tray section.
- o Use proper lifting equipment, such as slings or shackles, compatible with the lug design.
- o Ensure personnel are clear of the tray during lifting operations.
- o Follow manufacturer and NEC/NEMA guidelines for cable tray handling and support .

Final Notes

Cable tray lifting lugs are critical for safe handling during installation. Proper selection, alignment, secure fastening, and inspection are essential to prevent accidents and maintain structural integrity. Always



Cable Tray Lifting Lug Installation Method

coordinate with the project engineer and follow the approved method statement for the specific site conditions

These documents: ANSI/NEMA VE-1, Metal Cable Tray Systems; NEMA VE-2, Cable Tray Installation Guidelines; and NEMA FG-1,

Use this guide to learn the most effective installation practices when installing Cablofil tray. Each example of bends and tee's clearly

Step-by-step on-site guide: learn how to plan, mark, support, and install cable trays correctly, from shop

Below is a complete method statement for installation of cable tray, cable trunking and cable ladders in compliance with project

2. Purpose This document shows and explains the procedure and detailed installation method statement not only for cable tray but

It describes inspecting and storing cable trays upon receipt, installing trays flat or vertically, fixing trays to structures, designing trays

NEMA Standards Publication VE 2-2006 Cable Tray Installation Guidelines Published by: National Electrical Manufacturers

On completion of cable tray/ ladder installation including fittings, inspect exposed finish. Remove burrs & construction

Learn everything about cable tray installation with our complete guide. Discover types, steps, and safety tips for

Whether you're building a commercial setup or upgrading an industrial plant, proper cable tray installation ensures

Introduction This publication is intended as a practical guide for the proper and safe* installation of cable ladder systems, cable tray

Efficient cable tray installation and proper cable handling are critical for ensuring the reliability and safety of electrical systems.

Cable Tray Lifting Lug Installation Method

Center hung tray supports allow for quicker and easier cable installation by allowing cables to be deposited into tray systems from

Le chemin de câbles en treillis métallique et les accessoires Legrand/ Cablofil sont disponibles dans diverses finitions pour répondre

The purpose of this article is to define the sequence and methodology for the installation of electrical cable trays,

Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure

Web: <https://bssoda.pl>

