Cable tie specifications for cable tray fixing

Article Overview

Cable tray fixing ties are typically made from UL-approved Nylon 66, designed to snap into standard tray slots, with lengths around 320mm, widths 7.6mm, and tensile strengths of 55kg or higher.

Key Specifications

Material: Most cable tray fixing ties are manufactured from UL-approved Nylon 66 (94V-2), providing high durability, chemical resistance, and self-extinguishing properties suitable for electrical installations .

Dimensions: Common sizes include 320mm length x 7.6mm width, suitable for larger cable bundles. Other sizes are available depending on bundle diameter and tray slot dimensions .

Tensile Strength: Heavy-duty ties typically have a minimum tensile strength of 55kg, ensuring secure and permanent cable fastening .

Temperature Range: Standard ties operate effectively from -40?C to +85?C, with recommended storage at +15?C to +30?C and 50% humidity .

Chemical Resistance: These ties resist brake fluids, lubricants, oils, grease, paints, detergents, alkalis up to 40%, and gasoline, making them suitable for industrial and automotive environments .

Design and Installation: Cable tray fixing ties often feature a snap-fit design, where the tie separates into a strap and buckle that fit into standard cable tray slots. This eliminates the need for additional fasteners or mounts and allows for quick, secure installation . Some ties are inside serrated for direct fixation, enhancing grip and stability .

Color and Packaging: Most heavy-duty ties are available in black, with bulk packaging options such as 50-100 pieces per pack .

Applications

o Electrical installations and control panels
o Telecommunications and data cabling
o Aerospace and industrial systems
o Environments requiring chemical and temperature resistance

Summary

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When selecting cable tray fixing ties, consider material, size, tensile strength, environmental resistance, and compatibility with tray slots. Heavy-duty Nylon 66 ties with snap-fit designs provide a secure, permanent, and easy-to-install solution for managing cable bundles in demanding applications .

Cable trays are not raceways, but they are treated as a structural component of a facility"s electrical system. Cable trays are a part of

In horizontal cable trays where cable spacing is to be maintained, the cables should be tied down at approximately 10 foot intervals.

CONCENTRATED STATIC LOADS: Some applications may require the cable tray to support the weight of a single, dead object in

The CTF Fixing Ties are designed specifically for use with cable tray. 50 pcs.

They are made in accordance with MIL M20693B and UL 94 V-2. Self-locking cable ties for mounting cables and wires in cable trays.

This document provides procedures for installing cable trays according to international standards. It

Item #1- Conditions Requiring Cable Tie Down: The reasons for tying down cables are to keep them in the cable trays, to maintain

Material: UL approved Nylon 66, 94V-2 The cable tie provides a permanent solution to the problem of fixing cables to cable trays

Our Cable Tray Fixing Ties offer a simple and permanent solution for securing cable bundles to cable tray

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

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

INTRODUCTION The B-Line series Cable Tray Manual was produced by our technical staff. We recognize the need for a complete

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What is Cable Management? Positioning devices cover a wide variety of products, such as cable ties, fixing devices, bundling wraps,

Optimize cable organization with Cable Tray Fixing Cable Ties to secure and organize cables seamlessly.

Looking for a secure way to fasten cables or wires? Our plastic cable holders are easy to install and suitable for almost any

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

Web: https://bssoda.pl