Stainless steel cable trays do not require jumper wires

Overview

Whether you need extra wires (jumpers) depends on if your connecting plates are tested for grounding. If the plates are UL Classified, they are strong enough to carry electricity safely by themselves. However, safety. All metallic cable trays shall be grounded as required in Article 250. An EGC conductor in or on the cable tray. The mechanical and electrical characteristics, tests, certifications, overall quality management, recommendations mentioned in this technical guide only apply to our own cable management ranges and cannot under any circumstances be transposed to si osure, overheating or. Cable trays play a vital role in supporting electrical cables and wires in commercial, industrial, and utility installations. For proper installation, design, and maintenance, adherence to international standards is essential. One of the most recognized frameworks globally is the IEC standard for. Steel, hot-dip galvanized, stainless steel, and aluminum alloy trays shall be reliably connected to the PE protective conductor and bonded equipotentially to prevent electric shock. We are guided by our commitment to do business right, world's most urgent power.

© 2026 PVProjekt Digital Infrastructure - All rights reserved

Article Content

Are Bonding Jumpers Required for Standard Cable Tray Splice Plates?

Whether you need extra wires (jumpers) depends on if your connecting plates are tested for grounding. If the plates are UL Classified, they are strong enough to carry electricity safely by

Cable Tray Questions | Cable Tray Institute

Do you have any information available for recommended installation clearances for this type of cable tray? Answer: The NEC does not have a specific installation clearance, but indicates in section 318-6

How to Check if Your Cable Trays are Grounded and Safe

A cable tray grounding is best inspected by searching cable tray sections with bonding jumpers (the thick green or copper wires connecting

tonga-stainless-steel-cable-tray-prices

32 Companies and suppliers for tonga-stainless-steel-cable-tray-prices Find wholesalers and contact them directly Leading B2B martketplace Find companies now!

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.

Practices for grounding and bonding of cable trays

Non-metallic cable trays do not serve as a conductor. It is also recommended that wire mesh cable trays not be used as an equipment grounding conductor.

Stumped by the Code? NEC Rule Regarding Cable Tray

A bonding jumper, sized in accordance with Sec. 250.102 and installed in accordance with Sec. 250.96, must bond the sections of metal cable

CABLE TRAY

Should that not be possible and there are critical circuits involved, stainless steel cable tray and fire resistant cables should be considered. Wrapping the cable tray in a flame resistant blanket may

Grounding Requirements for Cable Trays

Jumper wires are not required if bolted connection is reliable. Each end of the connection plate shall be fixed with at least 2 bolts equipped with lock washers or lock nuts.

© 2026 PVProjekt Digital Infrastructure - All rights reserved

When are bonding jumpers required for use with cable tray?

They are required to be used on locations where the tray is not continuously grounded or when splice plates that aren''t UL listed are used.

IEC Standard for Cable Tray: Complete Technical Guide

IEC 61537 is the internationally recognized benchmark for metal cable tray systems. It applies to cable trays made of steel, stainless steel, aluminum, or

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

Equipment Grounding Conductors for Cable Tray Systems

Cable tray wiring systems have excellent safety and dependability records. These excellent records are the result of cable tray''s unique features plus the proper

Bonding Jumpers Not Required for Standard Cable Tray Splice Plates

It is not necessary to install bonding jumpers at standard rigid galvanized steel or aluminum splice plate connections or offset reducing splice plate connections or any Classified connections.

Cable tray bonding | Information by Electrical Professionals for ...

You aren''t even required to always use a bonding jumper if the tray is being used as EGC. Can be bolted mechanical connectors. My underline. 392.60 (B) Steel or Aluminum Cable Tray

Cable tray manual

During severe fire conditions, steel or stainless steel cable tray will remain intact and provide support longer than aluminum or fiberglass reinforced plastic cable trays.

Practices for grounding and bonding of cable trays

Grounding and bonding of cable trays There are three wiring options for providing an EGC in a cable tray wiring system: An EGC conductor in or on

Document DICOS

Stainless steel cable trays or stainless steel splice connectors require proper bonding, using manufacturer-recommended methods, per NEC Articles 392.60 and 250.96.

Equipment Grounding Conductors for Cable Tray Systems

Equipment Grounding Conductors for Cable Tray Systems Cable tray wiring systems have excellent safety and dependability records. These excellent records are the result of cable tray''s unique

© 2026 PVProjekt Digital Infrastructure - All rights reserved

Bonding Jumpers Not Required for Standard Cable Tray Splice Plates

It is not necessary to install bonding jumpers in parallel with the standard rigid aluminum or steel one-piece metallic bolted side rail splice plates that are the connections between the cable tray sections.

GUIDE CABLE TRAYS TECHNICAL

If it has excellent electrical continuity and is integrated in the installation''s equipotential bonding system, a metal cable tray reduces the coupling''s impact and thus contributes to good EMC of the electrical

Do Tray Cables Need to Be in Conduit? A Complete Guide

When planning a modern electrical system for industry, utilities or commercial spaces, the question “Do tray cables need to be in conduit?” naturally comes up. This is a crucial

Cable Tray Grounding: Power, Instrumentation, and

Cable tray systems are in the path of ground fault currents. Cable tray systems are bonded together through their bolting, connectors splice plates, clamps, and bonding jumpers where there are gaps in

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://pvprojekt.com.pl
Email: contact@pvprojekt.com.pl
Phone: +48 512 897 346
Address: ul. Tęczowa 17, 61-001 Poznań, Greater Poland Voivodeship, Poland

This document is for informational purposes only. Specifications subject to change without notice.

© 2026 PVProjekt Digital Infrastructure - All rights reserved