

Are there grounding holes at the cable tray connections



Overview

Where cable tray systems contain only signal and communication circuits that operate at low energy levels, power grounding per NEC Section 318-7 is not appropriate, but cable tray grounding for lightning protection, noise, and electromagnetic interference is necessary. Cable tray grounding is an indispensable aspect of electrical installations that plays a pivotal role in ensuring safety, reliability, and efficiency. It involves connecting cable trays to the facility's grounding system, providing a low-impedance path for fault currents and protecting personnel. Cable tray may be used as the Equipment Grounding Conductor (EGC) in any installation where qualified persons will service the installed cable tray system. There is no restriction as to where the cable tray system is installed. 8, 11, and 12, and the National Electrical Code Sections 318-3-© and 318-7. If you take what UL states literally, ANY cut to tray (ladder or wire) would cause a loss of UL Classification.



Article Content

Aug 31, 2025

Practices for grounding and bonding of cable trays

If an EGC cable is installed in or on a cable tray, it should be bonded to each or alternate cable tray sections via grounding clamps (this is not required by the NEC® but it is a desirable practice).

Mar 06, 2026

Practices for grounding and bonding of cable trays

All metallic cable trays shall be grounded as required in Article 250.96 regardless of whether or not the cable tray is being used as an equipment grounding conductor (EGC). The EGC ...

Oct 23, 2025

Understanding Cable Tray Grounding: A Comprehensive Guide

It involves connecting cable trays to the facility's grounding system, providing a low-impedance path for fault currents and protecting personnel and equipment from electrical hazards.

Aug 31, 2025

Cable Tray Grounding: Power, Instrumentation, and Telecommunications

Where cable tray systems contain only signal and communication circuits that operate at low energy levels, power grounding per NEC Section 318-7 is not appropriate, but cable tray grounding for ...

Sep 24, 2025

Cable Tray Installation Rules (NEC 392) – Electrical Trader

All metallic cable trays must be grounded as outlined in NEC Article 250.96, even if the tray isn't being used as an equipment grounding conductor (EGC). This precaution helps prevent ...

Jan 10, 2026

Bonding and Grounding wire mesh cable tray.

“Metallic cable trays that support electrical conductors shall be grounded as required for conductor enclosures in accordance with 250.96 and part IV of Article 250.”

Dec 04, 2025

CABLE TRAYS CONNECTION INSTRUCTIONS

Introduction The purpose of this document is to describe the correct process to install the connectors in our cable trays.

Aug 06, 2025

Cable Tray Grounding Wire: What You Need to Know

Discover the best practices for Cable Tray Grounding Wire installation. Learn key requirements, safety tips, and material choices to ensure a grounding system.

Nov 19, 2025

The Importance of Grounding in Cable Trays and How to Do It?

Grounding in cable trays allows electrical leakage from the outer surfaces of the conductors to be channeled into the tray. It helps to safely direct dangerous currents that may result ...

Apr 23, 2026

NEC Standards for Cable Trays: Grounding, Fill Capacity

Our solutions emphasize mandatory grounding and bonding for metallic trays, firestop systems at penetrations, and mesh tray options that reduce installation time while maintaining ...

Contact Us

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