

Does the cable tray need to be reserved for exiting the cable tray



Overview

This recognizes that TC-ER cable can safely exit a cable tray, unsupported up to 6 feet, and enter a nearby raceway or enclosure, provided it remains protected from physical damage per 336. 12 and mechanically supported to ensure the minimum bending radius is not exceeded as. The primary rulebook used in the safe use of cable trays is NEC Article 392. The 2023 NEC ® permitted Type TC-ER cable to be installed “between a cable tray and the utilization equipment or device”. NEC Article 392 explains cable trays, their components, appropriate wiring methods for cable trays, and instances where they are and are not permitted for use. It also focuses on construction and installation practices for cable trays. Here is the summary of the main points found in NEC Article. • Cables may exit or enter through the top or the bottom of the tray. • A ladder cable tray without covers provides for the maximum free flow of air, dissipating heat produced in current carrying conductors.



Article Content

Jun 24, 2026

Cable Tray Manual: NEC Article 392 Guide

Cable Tray Systems MAN-39 Cable Tray Manual The Gap Another item essential to the operation of the cable tray expansion splices is the type of hold down clamps used. The cable tray must not be ...

Aug 21, 2025

336.10 Tray Cable Uses Permitted.

Installers can now confidently transition TC-ER cable between a cable tray, raceway, or enclosure and the utilization equipment it serves, ensuring compliance without over-restricting layout ...

Jul 25, 2025

Stumped by the Code? NEC Rule Regarding Cable Tray Systems

A. Cable trays must be installed as a complete system, except mechanically discontinuous segments between cable tray runs, or between cable tray runs and equipment as ...

May 15, 2026

Cable Tray Manual

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).

Jun 13, 2026

A Guide to Installing and Supporting Electrical Cable Trays

This guide covers the critical steps, from selecting the right electrical cable tray and performing accurate cable fill calculations to managing a safe cable pull through and ensuring all bonding and grounding ...

Jul 18, 2026

NEC Questions and Answers based on 2017 NEC ®

Cable trays must be installed as a complete system, except mechanically discontinuous segments between cable tray runs, or between cable tray runs and equipment are permitted.

May 28, 2026

NEC Article 392 Guide: Ensuring Compliance for Cable Tray Systems

The short answer is no. Due to their exposure to the open air because of the cable trays, the wires contained within need a very durable outer covering. The regulations dictate that the cables ...

May 31, 2026

Cable Tray Fill Rules (NEC 392)

This guide covers the cable tray types and their appropriate applications, the fill rules for each configuration, ampacity derating requirements, separation of power and signal cables, and the ...

Oct 05, 2025

Cable Tray Systems: Requirements and Best Practices

This article explains the main requirements and good practices for cable tray systems, including tray types, materials, loading, supports, bonding, cable selection, and installation details.

Jul 11, 2026

Explaining NEC Article 392 on Cable Trays

Cables and conductors must be secured to the cable tray at intervals according to installation instructions. For non-horizontal runs, cables should be fastened securely to transverse ...

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