

Do galvanized cable trays need cover plates



Article Overview

Galvanized cable trays do not always require cover plates, but covers are recommended in specific conditions for protection, safety, and compliance.

When Covers Are Needed

Covers are typically used on cable trays to provide mechanical protection, dust and moisture prevention, and EMI/RFI shielding. Solid bottom trays with solid covers are particularly important for sensitive circuits or environments where cables may be exposed to debris, liquids, or physical damage. In outdoor or humid indoor locations, covers help prevent water accumulation, although weep holes may be required to avoid moisture retention.

Types of Cable Trays and Cover Use

- Ladder trays: Usually do not require covers because they allow maximum airflow, dissipating heat from current-carrying conductors and minimizing dust buildup.
- Ventilated or solid bottom trays: Covers may be used to protect cables from dust, moisture, or electromagnetic interference. Solid covers are recommended when EMI/RFI shielding is needed.
- Channel trays: Often used for small instrumentation cables; covers may be optional unless vibration or environmental exposure could damage cables.

Material Considerations...

Article Content

Dec 13, 2025

Full cable tray systems specification document

All covers and splice plates must also be hot dip galvanized after fabrication; mill galvanized covers are not acceptable for hot dipped

Jan 28, 2026

Cable Tray Technical Guide A practical guide to product selection and ...

SOLID-BOTTOM CABLE TRAY Providing additional cable protection, solid-bottom cable tray is sometimes preferred to support and

Apr 19, 2026

Cable Tray Covers

MP Husky offers a wide variety of cable tray covers to provide protection for the cables contained within the system from sunlight,

Oct 11, 2025

B-Line series Cable Tray Design Considerations

Where cable trays contain power and lighting conductors, ventilated cover are preferable to solid covers since the ventilated covers

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Cable Tray Technical Guide A practical guide to product selection and ...

Conductors used in cable tray must be specified in Table 19 of the CEC and, except where permitted under paragraphs [12-2202(2)]

Aug 04, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

This guide covers cable ladder systems, cable tray systems, channel support systems and associated supports intended for the

Jun 17, 2026

The Professional Buyer's Guide to Selecting Galvanized Cable Trays

Maximize durability and safety with our professional buyer's guide. Learn how to select the right galvanized cable

Jan 03, 2026

GI Cable Trays – What it is, Types and Applications

GI cable tray systems take care of this efficiently. A GI cable tray (Galvanized Iron Cable Tray) is a structural system

Jul 31, 2025

CABLE TRAY SYSTEMS GUIDE

Cable Tray Systems Guide HUBBELL Hubbell Wiring Device-Kellems and Hubbell Premise Wiring are divisions of Hubbell

Nov 27, 2025

11 Types of Cable Tray Covers and How to Choose It New

Cable tray is a structure for supporting and organizing cables. Usually, it has another section that encloses the cables

Oct 07, 2025

Cable Tray Installation Rules (NEC 392) – Electrical Trader

When installed outdoors or in areas exposed to sunlight, it's important to use sunlight-resistant cables and expansion

Feb 23, 2026

B-Line series Cable Tray Design Considerations

Cable tray covers provide protection for cables in the tray system from mechanical damage, falling objects, environmental damage

May 28, 2026

GUIDE CABLE TRAYS TECHNICAL

This can generate a risk for the external environment by causing the system to move, hence the need to attach the cables to the

Sep 06, 2025

Metallic Cable Tray | PDF Catalogues | ABB Electrification Canada

Browse our T& B galvanized metallic cable tray systems. More adaptable and easier to maintain than conduit pipe,

Feb 14, 2026

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

Nov 29, 2025

Cable Tray Size and Dimensions: How to Choose the Right Fit for

Learn how to calculate the perfect cable tray size and dimensions for your electrical project. This guide covers load

Mar 23, 2026

Cable Tray Cover Types: Designs, Materials & Selection

A complete guide to cable tray cover types: Compare 9+ designs, material specifications (NEMA/IEC), selection

May 08, 2026

IEC Standard for Cable Tray: Complete Technical Guide

It applies to cable trays made of steel, stainless steel, aluminum, or other metallic materials. The standard ensures

Apr 09, 2026

Cable tray manual

Nearly every aspect of cable tray design and installation has been explored for the use of the reader. If a topic has not been covered

Jun 13, 2026

Practices for grounding and bonding of cable trays

A bare copper equipment grounding conductor should not be placed in an aluminum cable tray due to the potential for electrolytic

Sep 21, 2025

CABLE TRAYS GENERAL INFORMATION AND INSTALLATION

Hot dip galvanized and stainless-steel cable trays can be stored without cover but should be loosely stacked, elevated off the ground

Apr 11, 2026

Cable Tray Institute

The Cable Tray Institute (CTI) was founded in 1991 to support the cable tray industry by engaging in research, development,

Jan 30, 2026

12-SDMS-06

Carbon steel cable trays intended for installation in corrosive or highly corrosive environments with severe alkaline and acidic

Aug 13, 2025

Technical Guidelines for Cable Tray Installation and

Outdoor: Hot-dip galvanized or stainless steel trays. Corrosive/High Humidity:
Aluminum alloy or fiberglass

May 30, 2026

Cable Tray Cover, Cable Tray Cover 300mm Manufacturer

NewReach Cable Tray Cover is made from high-quality 3mm thick steel, corrosion-resistant aluminum, and durable stainless steel

Nov 07, 2025

Cable Tray Specifications and Guidelines

Accessories for cable trays like bends, tees and reducers are also described. The document also outlines the

Jun 22, 2026

Metal Cable Tray Installation Guidelines | Cable Tray Institute

The Cable Tray Institute is making available the current edition of this practical guide for the proper installation of aluminum or steel

Aug 25, 2025

Cope Ladder Master Spec

All covers and splice plates must also be hot-dip galvanized after fabrication; mill galvanized covers are not acceptable for hot-dipped

May 29, 2026

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

Apr 26, 2026

Document DICOS

Cable trays made from mill-galvanized steel do not need to be touched up because they are not designed to be used in heavily

Contact Us

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