

Bubbling during the fabrication of trough-type cable trays



Article Overview

Bubbling during the fabrication of trough-type cable trays is typically caused by improper surface preparation, trapped moisture, or coating defects during galvanization or painting.

Causes of Bubbling

- **Surface Contamination:** Oil, grease, or dirt on the metal surface can prevent proper adhesion of coatings, leading to bubbles when the tray is hot-dip galvanized or painted .
- **Trapped Moisture:** Residual water or humidity on the tray surface can vaporize during heating, forming bubbles under the coating layer .
- **Improper Coating Application:** Uneven zinc coating during hot-dip galvanization or insufficient curing of paint layers can create localized bubbling .
- **Material Defects:** Variations in steel or aluminum alloy composition, such as impurities or inconsistent thickness, can contribute to bubbling during thermal processes .

Prevention Measures

- **Thorough Surface Cleaning:** Ensure all metal surfaces are free from oils, rust, and debris before coating or galvanizing .
- **Controlled Drying:** Dry the trays completely to remove moisture before hot-dip galvanizing or painting .
- **Proper Coating Techniques:** Follow manufacturer guidelines for zinc bath tempera...

Article Content

Aug 31, 2025

CABLE TRAY INSTALLATION PROCEDURE

Cable trays shall be provided with covers where there is high risk of mechanical damage during normal operation or

Mar 15, 2026

B-Line series Cable Tray Design Considerations

Our wind certification report provides you with list of acceptable B-Line series cable tray supports, fittings and covers based off of the

Apr 06, 2026

Mastering Cable Tray Efficiency: Troubleshooting Medium-Duty

Explore the ultimate guide to troubleshooting common challenges with medium-duty cable trays. From corrosion

Jul 04, 2026

Full cable tray systems specification document

B. Cable tray systems are defined to include, but are not limited to straight sections of [ladder type] [trough type] [solid bottom type]

Mar 04, 2026

Cable tray manual

Where cable tray wiring systems with current carrying conductors are installed in a dust environment, ladder type cable trays should

Dec 29, 2025

12-SDMS-06

Cable tray shall be fabricated either from corrosion resistant metal such as aluminum alloy or carbon steel with corrosion resistant

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FRP Trough Cable Tray with Channel-Like Design

Trough-type FRP cable tray is a cable tray with a trough-like shape made from fiberglass reinforced plastic, combining the benefits of

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Safely Installing, Maintaining and Inspecting Cable Trays

A generic guideline developed by the Cable Tray Institute indicates that cable trays should not be filled in excess of 40-50% of the

Feb 03, 2026

Cable tray manual

Where a cable tray wiring system containing Type ITC cables will be exposed to any significant amount of hot metal splatter from

Jan 14, 2026

GUIDE CABLE TRAYS TECHNICAL

When fitting cable trays and their accessories, the products are cut on site to create changes of direction, adjust sections, etc.

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Cable Tray Type Selection

The only reason to select a ventilated trough cable tray over a ladder type cable tray is aesthetics. No drooping of small cables is

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Exploring Cable Tray Types and Applications

Often unheralded, cable trays play a vital role in tray cable installations throughout industrial, commercial, and residential projects.

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Cable Tray System Overview – PAKTECHPOINT

Cable Tray System Overview Cable tray is simply a “rigid structural system” for cables. In its simplest form, a cable tray is a

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Trough Cable Trays

Trough Cable Trays offer moderate ventilation with added cable support frequency. It has the bottom configuration providing cable

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Method Statement for Installation of Cable Tray or Trunking

Provide sufficient space around cable tray for access. Cable Support System Use fish plate to joint & align cable tray

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Distillation Column Internals | Valve Tray | Packing

Distillation Column Internals Service in CA. We offer valve tray distillation column for better separation and lower pressure drop.

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FactSheet

If visual observation reveals a cable tray that is completely full and/or over-flowing with cables, chances are that the cable tray is in

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

This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray characteristics,

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Product Catalogue Cable Management Solutions

With over 20 years of experience T& B Cable Tray provides a complete solution in cable management systems including design,

Apr 05, 2026

AF_UnifiedCat_Interior_PRINT

Cablofil trough trays are manufactured to exacting standards so that all components fit together perfectly and install with ease. The

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Legrand Trough P31 Trough / Cable Tray Installation Guide

Access the comprehensive Legrand P31 Cable Trough Installation Guide. Get expert answers with AI chat & download the full PDF

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FactSheet

Cable trays feature flexibility unmatched by conduit, as cables are easier to mark, remove and find in cable trays. Cable trays are

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Trough Type Cable Tray Guide: Load, Installation & Benefits

A professional guide to trough type cable trays. Explore load capacity charts, installation guidelines, advantages over

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Types Of Cable Trays And Why You Should Use Them | Cable Trays

Hutaib Electrical is the leading Manufacturer of cable trays in Pune. we supply various types of cable trays at

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Cable Tray Production SOP Guide | PDF | Welding | Construction

cutting, punching, forming, welding, surface finishing, inspection, and packing of cable trays and accessories. 3. Responsibilities •

Jun 02, 2026

How to Install Cable Tray: A Comprehensive Guide to Different Cable ...

Welcome to our step-by-step guide on installing cable trays! In this video, we'll explore the

Sep 06, 2025

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

In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and

Contact Us

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