

High-voltage horizontal cable tray dripping water

Overview

Use a drip loop in the cable with the bottom of the drip loop below the enclosure entry point. The next best choice is to enter from the side. This will allow any rain water to have a position where it will drip off the cable. Moisture can create a conductive water film on the surface of the trays, initiating electrochemical corrosion, especially if the material contains reactive metals like copper or iron. All illustrations, descriptions and technical information included in this document are provided as indications and can cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management, recommendations mentioned. In industrial settings, electrical and instrumentation (E&I) cable trays or bridge racks play a critical role in organizing and supporting power, control, and signal cables across facilities.



Article Content

Feb 09, 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. Damage can also occur during handling; as a result, both the ...

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How To Solve The Problem Of Cable Being Damp And Water Intrusion

When such accidents occur, the cable insulation is severely damaged, which can also cause water ingress to the cable. Studies have shown that after the cable is flooded, water tree aging will occur ...

Mar 13, 2026

Core Principles for Electrical and Instrumentation Cable Tray Layouts

An effective layout ensures safety, minimizes interference, reduces maintenance time, and keeps the overall system organized. Below are the key principles to guide the layout of E& I cable trays, ...

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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 environmental conditions, cable loading, and type of cable tray in your ...

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Sprinklers Required in Electrical Rooms?

NFPA 70 tells us that electrical equipment requires dedicated zones, and pipe shouldn't be run above panels without drip pans or other methods of avoiding drip hazards above electrical ...

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How To Solve The Problem Of Cable Being Damp And ...

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Jul 04, 2026

Microsoft Word

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Mar 11, 2026

Guidelines for Handling Water Damaged Electrical Equipment

If water remains in medium voltage cable, it could accelerate insulation deterioration, causing premature failure. Wire and cable that is listed for only dry locations may become a shock hazard, when ...

Nov 03, 2025

Bend cable tray

The bend radius of a cable tray is crucial for protecting cable integrity, especially for sensitive cables like fiber optics, coaxial, or high-voltage conductors.

Oct 14, 2025

Guidelines for Handling Water-damaged Electrical Equipment

This publication provides guidelines on how to handle electrical equipment that has been exposed to water through flooding, fire fighting activities, hurricanes, etc. It is designed for use by suppliers, ...

Jan 24, 2026

The Impact of Humid Environments on Cable Trays

Discover impact of humid environments on cable trays and cables. Learn about effective countermeasures to protect electrical systems in moisture-prone conditions.

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