

Cable tray thickness error 6



Article Overview

Cable tray thickness error 6 typically indicates a mismatch or unsupported thickness value in design software or a deviation from standard specifications.

Understanding the Error

A "thickness error" in cable tray systems often occurs when the specified tray thickness does not match the allowable or standard values defined by the manufacturer or software library. In Revit, for example, the thickness of cable trays cannot always be edited directly, which can lead to inconsistencies between the modeled tray and real-world construction requirements, potentially triggering errors like "error 6" during validation or clash detection .

Causes of Thickness Errors

- **Software Limitations:** Some CAD or BIM software, such as Revit, does not allow direct modification of cable tray thickness, leading to non-accuracy in the model .
- **Non-standard Material Selection:** Using materials or finishes that differ from standard thicknesses (e.g., aluminum, galvanized steel) can cause errors if the software expects predefined values .
- **Incorrect Library or Template:** If the cable tray family or template in the software does not match the project's specifications, thickness errors may appear.
- **Deviation from IEC or Manufacturer Standards:** IEC 61537 and manufacturer datasheets specify minimum thicknesses for mechanical strength, corrosion resistance, and load capacity. Using a thickness outside these ranges can trigger errors .

Article Content

Cable Tray Size Guide: How to Choose the Right Dimensions

Complete cable tray sizing guide with standard size chart, NEC calculation methods, and real engineering examples. Learn how to

Cable Tray

Standard Support Construction Of The Cable Tray RS With the RS 60 cable tray installation system, we offer you the last installation

12-SDMS-06

If specified in the Data Schedule, cable barriers shall be used to separate cable rated voltage systems, such as when cables above

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

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

MEP Electrical

I measured the cable tray using dimension & measure tool. When I did, the Width "300mm" is actually the size from

Cable tray manual

INTRODUCTION The B-Line series Cable Tray Manual was produced by our technical staff. We recognize the need for a complete

Cable Tray Fill Troubleshooting — Inspector Rejects | TestTalkHQ

Diagnose cable tray fill failures: inspector rejects that should pass, cables that will not lay flat, ampacity derating vs conduit confusion,

Product Specifications: CABLE TRAY

FDG CABLE TRAY FDG Cable Tray is designed to continuously support cable systems including; Power, Data, and Audio Visual. A

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

Cable tray installed in a hazardous location must contain only those cables that are appropriate for this type of environment as

B-Line series Cable Tray Design Considerations

For ladder or ventilated trough trays, the total sum of the cross-sectional areas of all the cables to be installed in the cable tray must

RECOMMENDED SPECIFICATIONS OF JUNCTION BOX AND CABLE TRAY

The selection of 10C NEMA Class cable tray is based on ease of handling and the thickness of the cable tray, which plays an

Change the parameters on a cable tray

Hi, I have just started working on Revit and it opens up a lot of options for me. Currently, I am working on cable trays

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations

Cable Tray SHIB NAL

Cable trays are not raceways, but they are treated as a structural component of a facility's electrical system. Cable trays are a part of

Wire Mesh Cable Trays Technical Information Detailed, Material ...

Wire Mesh Cable Tray Detailed Information: a. A job site, field adaptable support system primarily for low voltage telecommunication

Cable tray manual

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

Understanding IEC 61537: A Comprehensive Guide to Cable Tray

IEC 61537 is a crucial international standard established by the International Electrotechnical Commission (IEC). The Chinese

QCS 2010: Cable Tray Specifications | PDF | Cable | Screw

It specifies that cable trays shall be constructed from hot-dipped galvanized mild steel with a minimum thickness of 1.5mm. Tray

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