

How to identify cable tray supports in modeling



Overview

Click to identify the cable tray to support using a cursor pick in the 3D view to display the Ancillary Selection window. The Ancillary Selection window displays all of the available/unavailable ancillaries for the selected cable tray. A default set of cable tray framework. In this video I'm sharing how we can model supports for cabletray using Aveva E3d. By 'cable tray support' do you mean a DGN model of a tray support?

Do you first design the tray supports, then do material takeoff?

Or Does your workflow start with a cable tray and lead directly to an Excel-compatible MTO report?

Again, DGN and Excel examples will clarify your question. On the ribbon, click Environments tabBegin panel BIM Content. In the browser, expand the MEP System Connections icon, right-click the Cable node. Discover all CAD files of the "Cable trays" category from Supplier-Certified Catalogs □ SOLIDWORKS, Inventor, Creo, CATIA, Solid Edge, autoCAD, Revit and many more CAD software but also as STEP, STL, IGES, STL, DWG, DXF and more neutral CAD formats. This block consists of an element that represents the vertical profile to which I have associated a linear parameter "stretch" called Lp to modify the length of profile and a second element which represents the bracket to which.

Article Content

Jul 12, 2025

Overview of the Supports Application

The Supports application allows you to create standard supports for pipework, cable trays, (both piping based cable trays (BRAN) and cable trays (CTRAY) created by the Cabling System) and HVAC. The

Apr 06, 2026

To Add Cable Tray Connector to Model

Create a cable tray connector. A cable tray is an assembly of segments and fittings forming a rigid structural system that fastens or supports cables, wires, and raceways securely.

Dec 10, 2025

E3d-Cable Tray Support Modelling

In this video I'm sharing how we can model support for cable tray in Aveva E3d. #e3d #avevae3d #tutorial #electricaldesign #cabletray #support

Jul 09, 2025

CABLE TRAY SYSTEMS GUIDE

Steel Ladder System Hubbell's NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers bundles of cable between cabinets, racks, and closets, along

Oct 27, 2025

AVEVA E3D Cable Tray Modelling

Simple video demonstrating how to model cable tray in AVEVA E3D. For PDMS, this video will show where all the buttons are found. Hope it will be useful for PDMS users who have not use E3D.

Apr 25, 2026

Is there any Tool or Macro for MTO calculation of Cable tray supports ...

By "cable tray support" do you mean a DGN model of a tray support? Do you first design the tray supports, then do material takeoff? Or Does your workflow start with a cable tray and lead directly to

Apr 08, 2026

CABLE TRAY SYSTEMS GUIDE

The design and cost of the cable tray is greatly affected by this designation. In order to determine the most appropriate and economical system, a class should be selected that reflects the actual total

Oct 26, 2025

How to Calculate the Cable Tray Support Quantity

Learn how to accurately calculate cable tray support quantities in electrical installation projects. Our guide covers methods,

Jul 27, 2025

Unistrut Cable Tray Support Structures

Cable Tray systems are often used to support electric power, signal, control, instrumentation, and communication cables used for power distribution and

Nov 29, 2025

Best Practice Guide to Cable Ladder and Cable Tray Systems

Cable ladder systems and cable tray systems are designed for use as supports for cables and not as enclosures giving full mechanical protection. They are not intended to be used as ladders, walk ways

Nov 30, 2025

Designing Cable Tray Layouts for Industrial Facilities

Future Trends in Electrical Drafting and Cable Tray Design As the industrial and technological landscapes evolve, several trends are emerging in the design of

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Cable trays: 3D models

Discover all CAD files of the "Cable trays" category from Supplier-Certified Catalogs SOLIDWORKS, Inventor, Creo, CATIA, Solid Edge, autoCAD, Revit and many more CAD software but also as STEP,

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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 protect numerous small instrumentation and control cables.

Mar 11, 2026

An In-depth Analysis for Optimal Cable Tray Support Span

This study investigates how to define the longest cable tray support span considering constructability in order to reduce the number of supports which

Mar 16, 2026

Aveva E3d

In this video I'm sharing how we can create support for cable tray. #e3d #avevae3d #tutorial #cabletray #support #oilandgas #electricaldesign #learndesign

Jul 19, 2025

Complete cable tray manual for electrical engineers and

The fact that a cable can easily enter and exit cable tray anywhere along its route, allows for some unique opportunities that provide highly flexible

Sep 01, 2025

A Guide to Installing and Supporting Electrical Cable Trays

A professional guide to installing electrical cable tray systems per NEC Article 392. Covers support, securing cables, and fill calculations.

Sep 04, 2025

Cable Tray

The definition of cable tray elements is as in other modules, is a task of building up the model data using the references and modelling techniques, refer to Model View for further information.

Sep 03, 2025

Cable tray design | GrabCAD Tutorials

A cable tray system is ideal for protecting and organizing electrical connections in commercial and industrial environments. This article offers a

Sep 02, 2025

Cable Tray Framework

Click to identify the cable tray to support using a cursor pick in the 3D view to display the Ancillary Selection window. The Ancillary Selection window displays all of the available/unavailable ancillaries

Jun 06, 2026

Industrial Electric Cable Trays: Dimensions and Types

As previously mentioned, industrial electric cable trays are support systems designed to host and protect cables within a facility, ensuring order and

Sep 06, 2025

Cactus MagSafe Charger Station with modular tray

Download this free 3D print file designed by Pedro H.. Cactus Apple Charger Station Modular Tray & Push Stick A modular 3D-printed cactus-shaped ☐☐

Jan 03, 2026

Aveva E3D Instrument Cable tray Modelling | E3D Tutorial

to Aveva E3D Cable tray Modelling. Welcome to this complete Aveva E3D Instrument cable tray modelling tutorial made for beginners students and engineers who want to master plant design electrical ...

Aug 02, 2025

3D Cable Tray and Electrical Design Modeling

Chemionix provides you with the latest Cable tray design and modeling services which enables you to quickly layout and design a 3D cable

Jul 10, 2025

Dynamic blocks for cable trays supports

I created a dynamic block to design the supports of metal cable trays.

Mar 08, 2026

Aveva E3d 3.1

In this video I'm sharing how we can model supports for cabletray using Aveva E3d. ...more

Contact Us

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