

# Revit cable trays cannot automatically generate elbows



## Overview

There is no way to auto-generate the fittings. You can however use the fitting APIs to create cable tray fittings yourself. For example, NewElbowFitting, NewTeeFitting, NewTransitionFitting, NewCrossFitting, should all produce valid cable tray fittings when connected. Here is the simple solution Create two type : 90 elbow and 45 elbow In the real world, to make a 45 elbow, we need two segments, to make a 90 elbow, we need three segments I've also tried to use some geometry forms in revit but no hope. 11-09-2024 01:19 AM Thank you, anyway I will mark your. In order to automatically create a whole cable tray run, however, we need both the straight segment cable tray elements and also the fittings to connect them with each other, elbows to turn corners and branching elements to represent junctions. Emphasizes the importance of loading the correct fitting families early. Don't start designing cable tray until your template, settings, and content are. I have automatic fittings turned on and fittings loaded (outside vertical, inside vertical, horizontal) and whenever I try modle a tray run w/ automatic fitting I get: The routing solution failed because there is no default fitting type specified or the fitting cannot be found in the project. I have attached a few pictures with examples.

## Article Content

Learn REVIT Fast LRF-ELEC-01-03 – Cable Tray – Revit news

When drawing trays that intersect or change direction, Revit will auto-generate fittings (elbows, tees, crosses) based on the project settings. Emphasizes the importance of loading the correct fitting

Error: Revit reports that a cable tray fitting is not loaded ...

Solution: To solve this issue: Duplicate another cable tray type (do not duplicate the type that doesn't work, as any flaws in that type will also be duplicated); Rename it as needed, and add

Cable Tray Fittings in Revit API

Answer: The situation for cable trays is the same as for duct and pipe elements, i.e. it is up to the application to explicitly create the fittings in between the segments as it sees fit. There is no way to

Cable Tray and Conduit

Add Cable Tray Fittings As you draw cable tray, Revit automatically adds fittings. Use the following procedure to manually add cable tray fittings to an existing segment or run.

Cable Tray Fittings in Revit API

1) Programmatically creating cable trays requires explicitly creating fittings between segments, unlike conduits which auto-generate fittings. 2) To properly connect

Cable Tray Placement Options

Automatically Connect: Lets you automatically connect to the snaps on a component when starting or ending a cable tray segment. This option is useful for connecting segments at different elevations.

The Building Coder

There is no way to auto-generate the fittings. You can however use the fitting APIs to create cable tray fittings yourself. For example, NewElbowFitting, NewTeeFitting, NewTransitionFitting,

Create cable tray openings in walls and floors in Revit

This command automates the creation of wall and floor openings where cable trays intersect in Revit. It supports manual selection, linked models,

Cable Trays missing when linking IFC to Revit

The Cable Trays Fittings and other IFC elements are recognized, but the Cable Trays themselves are not visible. The IFC import layers are set up

## Electrical Settings: Angles

Use the Angles pane of the Electrical Settings dialog to specify the fitting angle to use when adding or modifying cable tray or conduit.

## Solved: Cable Tray Orientation

Good day, Our electrical users have the following issue: They have been requested to draw cable trays to mount in the vertical and not horizontal as usual. Revit does not seem to have

## Add Cable Tray Fittings

As you draw cable tray, Revit automatically adds fittings. Use the following procedure to manually add cable tray fittings to an existing segment or run.

## Cable Tray w/ Automatic Fittings : r/Revit

Cable Tray w/ Automatic Fittings I have automatic fittings turned on and fittings loaded (outside vertical, inside vertical, horizontal) and whenever I try to model a tray run w/ automatic fitting I get: The routing

## Creating Elbows/Modifying Bend Radius

I have two sets of four identical parallel conduits in a cable tray. I am trying to use the Elbow MEPCurves node to connect them, but it is not working. If possible, I'd also like to modify

## Add conduit and cable tray connectors

Step-by-step guide Review, configure, and create cable tray connectors. Open the project E05\_02.rvt. Ensure the current view is Power > Floor Plans > 1 - Power.

## Cable tray ladder fittings not visible in plan view in Revit

Issue: Users reported that cable tray Ladder-type fittings are not visible in the plan view and sections in Revit.

## Help | Cable Tray Placement Options | Autodesk

This option is useful for connecting segments at different elevations. However, when drawing cable tray at a different offset or to disable snapping to a non-MEP element, clear Automatically Connect to

## Vertical cable tray loaded in wrong direction

It's been a while since I used the node for vertical cable tray creation, but I think I solved it by figuring out the curve normal for the lines. The normal

## The Building Coder

In order to automatically create a whole cable tray run, however, we need both the straight segment cable tray elements and also the fittings to connect them with each other, elbows to turn corners and

Cable Tray PRO Sections Creator

"Cable Tray Sections Creator" is an innovative Add-in designed for Autodesk® Revit® software, aimed at swiftly generating cable tray sections along with integrated cable schedules. This

Specific Cable Tray Fitting Family not displayed in Revit ...

Specific Cable Tray Fitting Family is not displayed correctly in the Revit plan view. The same family can be displayed in the 3D view as expected. To enable the correct display, perform the

Autodesk Developer Blog : Cable Tray Orientation and Fittings

Answer: The situation for cable trays is the same as for duct and pipe elements, i.e. it is up to the application to explicitly create the fittings in between the segments as it sees fit. There is no way to

Cable Tray Fitting creation (Elbow Bend)

I am having a problem creating a cable tray fitting, I did the best I could (see attached), however still doesn't want to connect automatically. please help !!

Cable tray automatic connection.

Hi, I need help. I'm working on a project which we have too many cable tray offsets. My automatic connection on levels changes is giving me a hard time.

Revit cable tray not level automatically slopes

Hi This is my first post, Ive been using Revit for 5 years now mainly modelling electrical services. Recently we have been having a problem with some of the cable trays not being able to get

Cable Tray Family Connector issue

My First Revit Family for Cable Tray Fitting. Tried loading the Created Family in Project but they Connectors are not working as expected. Not sure if i

Cable Tray w/ Automatic Fittings : r/Revit

The routing solution failed because there is no default fitting type specified or the fitting cannot be found in the project. Ensure the fitting is loaded in the project and try again.

Cable Tray Placement Options

Justification: Opens the Justification Settings dialog where you can specify Horizontal Justification, Horizontal Offset, and Vertical Justification for the cable tray.

Automatically Connect: Lets you

Solved: Re: Cable trays NOT automatically connecting

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