

Example of a vertical tee for a cable tray

Article Overview

A vertical tee, such as the I-BEAM Ladder Vertical Tee Up (VTU), allows cable trays to branch vertically while maintaining secure connections.

Overview

A vertical tee is a cable tray fitting that enables a main cable tray run to split into a vertical branch, either ascending or descending, providing flexibility in routing cables through different elevations . These fittings are designed to complement standard cable tray systems and are available in multiple variations, including ascent, descent, and lateral descent .

Example Products

- o I-BEAM Ladder Vertical Tee Up (VTU): Designed for secure NEMA cable tray connections, this fitting is compatible with various NEMA classes and features heavy-duty splice plates for stability .
- o Vantrunk Vertical Tees: Available in ascent, descent, and lateral descent configurations, these tees provide flexibility for complex installations .
- o AUF409LVTU48 by ABB: A tee fitting suitable for branching cable trays vertically, compatible with standard ladder tray systems .

Compatibility and Classes

Vertical tees are manufactured to match the NEMA class of the cable tray system:

- o Class 1: For NEMA 12B and 12C trays, with 1 1/8" wide side rail flanges and 4-hole splice plates .
- o Class 2: For NEMA 20A, 20B, and 20C trays, with 2" wide side rail flanges and 4-hole splice plates .
- o Class 3: For trays exceeding NEMA 20C, with 2 3/8" wide side rail flanges and 8-hole splice plates .
- o Class 4: For heavy-duty systems like 8" high A820E trays, with 2 3/4" wide side rail flanges and 8-hole splice plates .

Key Features

- o Provides vertical branching for cable trays.
- o Compatible with standard ladder tray fittings.
- o Available in multiple orientations to suit installation needs.
- o Ensures secure connections with appropriate splice plates and flange widths. Vertical tees are essential for installations requiring changes in elevation while maintaining structural integrity and cable management standards.



Example of a vertical tee for a cable tray

The main cable tray backbone will be installed in the building's four-story shaft. From it, a dedicated floor cable tray will

Vertical tee up connects three straight sections of channel cable tray, forming a smooth 90-degree branch in the inside vertical

Discover our Vertical Tees for cable tray systems. Contact us today for availabilities and receive a quote. Fast shipping for just in

Connectors VERTICAL TEES ... HORIZONTAL TEES Horizontal Tee / 90°; Connector for Center Hung cable tray.

Manufacturer of Cable Tray Fittings - Tee Bend Ladders, Horizontal Tees, Vertical Tees and Vertical Bends offered by S P

This document provides information about cable trays and accessories, including straight cable trays, perforated trays, returned edge

Fiberglass cable vertical tee assembly submittal

Quality vertical tee down fitting for I-BEAM ladder trays. Compatible with NEMA cable tray classes 12B, 12C, 20A, 20B, 20C, and more.

I-BEAM Ladder - Reducing/Expanding Dropout Tee Ensure your cable tray solution is designed for your application, with our vast

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

This guide explains the different types of cable tray tees, their applications, support requirements, load considerations, and

Cable Tray Systems Guide HUBBELL Hubbell Wiring Device-Kellems and Hubbell Premise Wiring are divisions of Hubbell

THE BENEFITS OF CABLE TRAYS If you are seeking to break the very spirit of your IT staff, then the spaghetti method of cable



Example of a vertical tee for a cable tray

Cope vertical tee down fitting saves space and ensures flexible cable tray configurations.

Hello @m7moud_alfat7, Unfortunately, it is not possible to generate a vertical Tee (see red arrow). Only to generate a

NEMA Standards Publication VE 2-2006 Cable Tray Installation Guidelines Published by: National Electrical Manufacturers

Web: <https://www.supremeacademicresearch.co.za>

