

Specifications of horizontal cable tray tees

Article Overview

Horizontal tees are fittings that create a horizontal branch in cable tray systems, available in standard, reducing, and expanding types, with specifications varying by NEMA class, flange width, and material.

Types of Horizontal Tees

- o Standard Tee: $W1 = W2$, used to connect three equal-width cable tray sections .
- o Reducing Tee: $W1 > W2$, allows branching from a larger tray to a smaller tray .
- o Expanding Tee: $W1 < W2$, allows branching from a smaller tray to a larger tray .

NEMA Class Compatibility

Horizontal tees are designed to match specific NEMA cable tray classes:

- 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, 20C trays, with 2" wide side rail flanges and 4-hole splice plates .
- o Class 3: For NEMA classes exceeding 20C, with 2 3/8" wide side rail flanges and 8-hole splice plates .
- o Class 4: For heavy-duty 8" high trays (e.g., A820E), with 2 3/4" wide side rail flanges and 8-hole heavy-duty splice plates .

Material and Finish Options

- o Mild steel: Pre-galvanized (PG) or hot-dip galvanized (HDG)
- o Stainless steel: Grade 1.4404 (316L) for corrosion resistance

Size and Load Considerations

- o Widths range from 50 mm to 900 mm for light, medium, and heavy-duty systems .
- o Rail heights typically range from 4" to 7", with widths available up to 36" for ladder tray systems .
- o Closed or ventilated covers are available for all tees to protect cables and maintain airflow .

Additional Features

- o Horizontal tees include splice plates for secure connections.
- o Part numbers are often generated based on depth, width dimensions ($W1/W2$), and finish, e.g., CTUT 25/0300/0150/PG .
- o Compatible with both ladder and I-beam tray systems, ensuring flexibility in installation . Horizontal tees are



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essential for creating efficient horizontal branches in cable tray networks, and selecting the correct type, material, and NEMA class ensures structural integrity and compliance with industry standards.

Tables list standard sizes and specifications for straight and bent cable trays, including width, height, thickness, materials, and

Cable Tray Specifications and Guidelines This document provides general guidelines for cable trays and their

1. The document outlines codes and standards that must be followed for design and construction of cable trays and their

Eaton B-Line series horizontal tee, 4" H x 39" W x 24" L, Aluminum, 24" and 6" Tray Widths, 24" radius. Authenticated: The product

Wire basket cable tray systems are defined to include, but are not limited to straight sections of continuous wire mesh, field formed

In the electrical wiring of buildings, a cable tray system is used to support insulated electrical cables used for power distribution,

Cable Tray Horizontal Tee, 24" Width, 24" Radius, 6" Deep, Aluminum, Cat #: 6A24HT24, Mfr: Eaton B-Line

Horizontal reducing tee fitting for I-BEAM cable tray systems. Compatible with NEMA standard trays.

The document discusses different types of cable containment systems including cable trays, cable ladders, and cable trunking. It

Discover our Horizontal Tees for cable tray systems. Contact us today for availabilities and receive a

What Is a Cable Tray Tee Fitting? A cable tray tee fitting is a branch fitting that connects three tray sections together, allowing cables

Horizontal tee fittings join cable trays in three directions. Rail heights range from 4" to 7", widths range from 6" to 36" and radiuses

Nearly every aspect of cable tray design and installation has been explored for the use of the reader. If a topic has not been covered

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Fitting and accessories, with the same or different width of the cable run. All fittings are available in sizes and types corresponding to

Branching out any existing cable runs. F - hot dip galvanised steel PN-EN ISO 1461:2023-02. Available finishes: E - stainless steel. L

We offer a range of cable crossovers and tees, available in both equal and unequal measures, for light, medium, and heavy duty

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