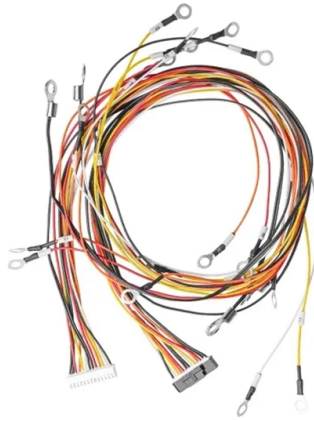


Marking various bends in cable trays



Article Overview

Efficient marking of cable tray bends involves accurate measurement, use of templates or angle guides, and proper identification of horizontal, vertical, and complex fittings to maintain correct bend radii.

Key Steps for Quick and Accurate Marking

1. Measure and Plan: Begin by measuring the required run of the cable tray and the location of bends. Use a tape measure or laser distance tool to determine the exact points where the tray will change direction. Mark these points lightly with a pencil or chalk for visibility .
2. Identify Bend Type: Determine whether the bend is horizontal, vertical, a T-piece, crossover, or reduction. Each type requires a slightly different marking approach. For example, horizontal bends follow the plane of the tray, while vertical bends change elevation .
3. Use Templates or Angle Guides: For repetitive bends, pre-made templates or adjustable angle guides can speed up marking. These tools ensure consistent angles and radii, reducing errors and rework. Ladder and mesh trays often have recommended minimum bend radii to prevent cable damage .
4. Mark Bend Lines Clearly: Draw clear bend lines across the tray width. For complex bends like T-pieces or crossovers, mark both the centerline and the edges to guide cutting and forming. Use a straightedge or square to maintain accuracy .
5. Consider Bend Radius: Always respect the minimum bend radius specified for the cable type. This prevents stress on the cables and ensures compliance with standards. For instrumentation or control cables, tighter spacing may require careful marking to avoid interference .
6. Label and Sequence: Label each marked section with identifiers (e.g., H1 for horizontal bend 1, V2 for vertical bend 2) to maintain installation sequence and avoid confusion during assembly .
7. Safety and Tool Sele...

Article Content

Nov 24, 2025

CABLE TRAY SYSTEMS GUIDE

The Ladder Tray features light, rugged, tubular steel construction. It is designed for mechanical support and strain relief in long runs

Nov 06, 2025

Flextray wire basket section of NEMA cable tray

The Flextray™ system is a flexible, field-adaptable way to manage cables throughout your project. The tray can be cut and bent to

Oct 30, 2025

Cable Tray Bends | Harsha Group

Each type serves a unique purpose, accommodating different cable tray configurations and layouts. Cable Tray Bends are

Jul 26, 2025

Trunking Cutting Techniques Guide | PDF | Metalworking | Tools

The document provides instructions for forming various bends and joints in electrical trunking and cable trays. It describes: 1) How to

Jun 27, 2026

Assembly Guide

Guide for making bends, tees, crosses, risers and reducers from straight sections of wire basket cable trays live at the project.

Dec 15, 2025

Cable Tray Ladder Trunking Wire Basket Installation Guidelines

Typical examples of fittings include elbows, tees, crosses, and risers. Each of these fittings are available in various radii and bend

Mar 13, 2026

IEC Standard for Cable Tray: Complete Technical Guide

It ensures that cable trays are compatible with various fittings, bends, risers, and other

Sep 12, 2025

Cable Tray Installation and Types Guide

The document discusses cable trays, which are structures used to securely support and distribute cables. It describes the different

Aug 14, 2025

Cable Tray Bend Types 2026: Key Designs Explained

Discover the top cable tray bend types for 2026, including horizontal, riser, and modular fittings. Learn how proper bend

Jan 27, 2026

Explaining NEC Article 392 on Cable Trays

NEC Article 392 explains cable trays, their components, appropriate wiring methods for

Jan 11, 2026

Method for fabricating and installing side bends on cable trays

The document provides instructions for forming various bends and joints in electrical trunking and cable trays. It describes: 1) How to

Sep 11, 2025

Cable tray manual

CABLE TRAY MANUAL Based on the 2014 National Electrical Code®† ®† Mark shown is the property of its respective owner. Table

May 28, 2026

Wiring in Cable Trays: Your Guide to Tidy and Safe

Learn essential principles for wiring in cable trays. Our guide covers segregation, fill,

Jun 20, 2026

Techniques for marking lines on cable tray bends

The document provides instructions for forming various bends and joints in electrical trunking and cable trays. It describes: 1) How to

Aug 28, 2025

How to Read Tray Cable Markings and Labels?

The answer is affirmative, provided that the correct type of tray cable is selected. It is essential to recognize that not

Apr 16, 2026

Cable Tray Design and Components Guide

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

Jul 25, 2025

Safely Installing, Maintaining and Inspecting Cable Trays

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

Jul 08, 2026

Cable tray manual

All the technical information developed by the 1973 NEC® Technical Subcommittee on Cable Tray for Article 318 - Cable Trays was

Apr 16, 2026

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

In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and

Jul 12, 2026

Master the Cable Tray Secret to Perfect Back of Bend ...

How to Master back of bend measurements on electrical Cable Tray. Make a 90

Sep 25, 2025

How To Bend Cable Tray

Discover the best techniques and tools to bend cable tray easily and efficiently. Learn step-by-step instructions and

Aug 18, 2025

Cable Tray Institute

The Cable Tray Institute (CTI) was founded in 1991 to support the cable tray industry by engaging in research, development,

May 08, 2026

Types of Bends in Wire Mesh Cable Trays: A Detailed

Wire mesh cable trays are widely used in industrial and commercial installations to support

Mar 28, 2026

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

Nov 28, 2025

Smooth Transitions: Understanding the Important Role

Cable tray bends play a critical role in ensuring smooth transitions and maintaining the integrity of electrical

May 13, 2026

How to mark lines on vertical bends of cable trays

The document provides instructions for forming various bends and joints in electrical trunking and cable trays. It describes: 1) How to

Jun 07, 2026

B-Line series Cable Tray Design Considerations

Is your cable tray system optimized for safety, dependability, space and cost savings? Cable tray (or cable ladder) systems are a

Jan 03, 2026

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

Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been

Jan 15, 2026

Complete cable tray manual for electrical engineers and designers

How to design cable tray? Most projects are roughly defined at the start of cable tray design. For projects that are not

Apr 27, 2026

Cable Tray Design and Components Guide

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

Oct 30, 2025

Exploring the Different Bending Types for Wire Mesh

Wire mesh cable trays have become a vital component in modern electrical installations,

Oct 27, 2025

GUIDE CABLE TRAYS TECHNICAL

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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

