

45-degree parallel elbow of cable tray

Article Overview

A 45-degree elbow allows cable trays to change direction smoothly while maintaining secure cable support, commonly used in horizontal or parallel tray runs.

Function and Application

A 45-degree elbow is a cable tray fitting designed to redirect the tray at a 45° angle, enabling smooth transitions in horizontal or parallel runs without sharp bends that could stress cables. It is particularly useful in complex routing scenarios where space constraints or structural elements require gradual directional changes.

Compatibility

These elbows are compatible with various NEMA cable tray classes:

- Class 1: For NEMA 12B and 12C trays with 1 1/8" side rail flanges and 4-hole splice plates.
- Class 2: For NEMA 20A, 20B, and 20C trays with 2" side rail flanges and 4-hole splice plates.
- Class 3: For trays exceeding NEMA 20C, with 2 3/8" side rail flanges and 8-hole splice plates.

Material and Construction

45-degree elbows are available in steel, 304L stainless steel, and 316L stainless steel, accommodating different environmental and load requirements. Ladder tray...

Article Content

Oct 02, 2025

Cable Tray Fitting creation (Elbow Bend)

I've taken a look at this file, but it doesn't seem to work. Here is the simple solution
Create two type : 90 elbow and 45

Feb 17, 2026

Elbow for electrical supply cables | wire channels | trays | metal

Metal elbows for cable trays are an essential component in electrical installations, ensuring safety, durability, and aesthetic appeal.

Oct 03, 2025

cable tray system

A cable tray system is an assembly of metallic cable tray sections and accessories, that forms a rigid structural system

Apr 27, 2026

Make a (45-45) 90 Gusset Bend in Electrical Cable Tray In One Piece

How to make a 90 electrical cable tray bend to measurement with a gusset of your

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45° Horizontal Bends

This bend provides a 45° change of direction when connecting straight cable tray sections, maintaining

Jul 17, 2026

Elbow 45° with 600mm radius, KKC-R600

GRP-elbow 45° for cable tray KK, with large inner radius R 600 mm, with unperforated side rails, with integrated perforated connector

Jan 03, 2026

Cable Tray Design and Components Guide

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

Feb 22, 2026

Fiberglass Cable Tray Horizontal Elbows 45°

Compact fiberglass 45 degree horizontal bend fitting for Cope cable tray systems—pre-drilled for easy installation.

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Cable Tray Bend Calculator | Arc, Chord & Offset Length

Cable Tray Bend Calculator Calculate cable tray bend dimensions, centerline arc lengths, setback distances, and offset

Sep 20, 2025

Cablofil (Legrand) LD-4A-45HB24-24 Horizontal Cable Tray Elbow ...

Shop Horizontal Cable Tray Elbow, Aluminum, 45°, 24 In. Bend Radius, Ventilated Ladder, 54 L X 4 H X 24 W In. By Cablofil

Mar 16, 2026

How to make Cable tray (45°-45°) VERTICAL INSIDE ELBOW 90

16.6K subscribers 468 20K views 5 years ago 90°degree vertical inside elbow cable tray

Oct 20, 2025

Horizontal elbow 45° | DKC Europe

Home Products Combitech product line C5 - Cable tray system Accessories Elbows Horizontal elbow Horizontal elbow 45°

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45° Horizontal Elbow | Cable Tray Systems | PUPCO

The 45° Horizontal Elbow boasts a horizontal bend that grants the flexibility for a 45° cable tray to navigate left or right. Moreover,

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45° Vertical Elbow | Cable Tray Systems | PUPCO

Discover our 45° Vertical Elbow for cable tray systems. Seamlessly transition between sections and fittings, reducing tray width.

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Cable Tray Elbow (Vertical) – G-STEEL TRADING

A cable tray elbow. Usage: is used to complete the whole project as it is one of the cable tray accessories, that make the cable go

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Elbow 45° RBAS

Elbow 45° RBAS Elbow 45° RBAS with unperforated side rails, with integrated splice plate 6 Items Show 25 50 75 100 per page Sort

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Custom cable tray elbows only draw at 90°

I'm trying to draw some real to life cable bus, fittings and all. I'm using cable tray for this, and have created custom

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45° HORIZONTAL ELBOW

Optional removable cable outlet kits offer flexibility.the transitions are with build-in connectors, which makes assembly and

Dec 19, 2025

Horizontal Elbow 45° Side Rails Type M, C | Nam Phuong Viet

Horizontal Elbow 45° design made by Nam Phuong Viet with high-quality, conforms to the requirements of Nema Ve1-2017 and IEC

Nov 28, 2025

45° HORIZONTAL ELBOW

Instruction manuals: Apply to: 45° Corner Connection. Include: CF120 45° Horizontal Elbow ×1. Suit for: CF120 Fiber Cable Tray.

Oct 22, 2025

Hoffman CTS46EOC45SS 45-Degree Elbow | Southern Electronics

DECLARATION OF COMPLIANCE CE-00052 Data Sheet CLEAN TRAY STAINLESS STEEL CABLE TRAY, TYPE 1 SPEC SHEET

Jan 06, 2026

Horizontal elbow 45° | DKC Europe

Horizontal elbow 45° by DKC Europe offers efficient cable management and easy installation for various applications.

Oct 03, 2025

Cable Tray

CBF LD-6A-90HB24-24 Category: 90° Horizontal Cable Tray Bend 4IN HEIGHT TRAY REDUCER 12IN LONG 4IN HEIGHT TRAY

Nov 12, 2025

45° Horizontal Cable Tray Bend :: PLATT ELECTRIC SUPPLY

CleanTray 45-Degree Elbows for 45-degree turns in applications that require frequent washdown. This 45-Deg Elbow Top Cover

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Swage Ladder Tray Horizontal Elbows 45°

Cope 45 degree swage ladder tray elbow saves space in tight cable tray installations.

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I-BEAM Ladder Horizontal Elbows 45°

Shop Cope I-BEAM ladder tray 45 degree bend for reliable NEMA cable tray installations.

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Aluminum Channel Horizontal Elbows 45°

45 degree aluminum channel bend fitting for cable trays, supports smooth cable routing and flexible

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Steel Hot-Dip Galvanized Ladder Cable Tray Horizontal

We are offering Ladder Cable Tray Horizontal Elbow 45 to our clients. Features: Manufactured using high

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45 degree Elbow

45° Elbow Part.No Gauge (mm) Size (mm) LCT/45E/50 1 50 LCT/45E/75 1 75 LCT/45E/100 1 100 LCT/45E/150 1.2 150

Feb 01, 2026

Horizontal Elbow 45 Degrees

Horizontal Elbow 45 degrees is a product of bestray It belongs to the cable tray product line We are committed to the quality of our

Aug 03, 2025

Trof Horizontal Elbows 45°

Discover Cope Trof 45° horizontal elbows for secure, rigid cable tray connections with improved safety and

Mar 07, 2026

Elbow 45° KPC

GRP Elbow 45° for cable tray, with unperforated side rails, with moulded connector, glass fiber reinforced polyester, pressed, RAL

Contact Us

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