

How to bend wire mesh cable trays



Article Overview

Bends in wire mesh cable trays can be safely created on-site using proper cutting, bending techniques, and protective measures without compromising tray integrity.

Types of Bends

- Horizontal 90° Bend (Flat Bend) – Used to change the tray direction along the same plane.
- Vertical Bend (Up/Down Bend) – Allows the tray to rise or drop between levels.
- Offset Bend (Side Shift) – Shifts the tray laterally to avoid obstacles.
- Tee or Cross Bend – Creates junctions for branching or intersecting trays .

Tools and Techniques

- Bolt Cutters: Ideal for cutting individual wires to form bends. The cutting action drags a layer of zinc across the cut ends, maintaining corrosion protection .
- Hand Bending: After selective wire cutting, the tray can be bent manually to the desired angle. Avoid cutting all wires completely to maintain structural strength .
- Protective Caps: Use rubber or plastic caps on cut wire ends to prevent cable damage and ensure safety .
- Step-by-Step Guides: Manufacturers like Pensa and Siltec provide illustrated instructions and videos showing how to bend trays accurately on-site, including creating 90° bends and junctions .

Best Practices

- Plan the Route: Identify where bends, offsets, and junctions are needed before cut...

Article Content

Wire Mesh Tray Technical Guide

Cablofil wire mesh tray and sup-ports are designed to support any cable load allowed by the NEC when supports are spaced on 8"

How to Create Bends in Wire Mesh Cable Trays (Step-by-Step Guide)

Wire mesh cable trays are widely used because of their flexibility and easy on-site modification. Unlike perforated trays, bends can

How to Create Bends in Wire Mesh Cable Trays (Step-by-Step Guide)

Creating bends in wire mesh cable trays is simple, fast, and cost-effective when done correctly. With proper cutting and bending

90° Cable Tray Bend Installation Guide | PDF

90° Cable Tray Bend Installation Guide The document provides instructions for the installation of 90° short radius bends for wire

Assembly Guide

When a wire cable tray is cut, the fact that a wire has been cut does not affect the level of protection. Let alone we have rubber caps

From Blueprint to Reality: Installing Wire Mesh Cable Trays Like a Pro

How to install wire mesh cable trays like a pro with this comprehensive guide. Our team helps with installation preparations and pro

Assembly Guide

Assembly Guide The bends, tees, crosses, risers and reducers of wire mesh cable tray can be easily and quickly made live at the

90° Cable Tray Bend Installation Guide | PDF

Kable Kontrol Cable Tray 90 Degree Short Bend Instructions - Free download as PDF File (.pdf), Text File (.txt) or read online for

Wire Mesh Cable Tray Bending Guide

□□ How to Create a Bend in Wire Mesh Cable Trays (Quick Guide) One of the biggest advantages of wire mesh cable trays is their

Contact Us

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