

How to cover a simple bend in a cable tray



AI Overview

A simple bend in a cable tray can be covered or finished using pre-fabricated bends, custom gussets, or protective caps to ensure safety and maintain cable integrity. Using Pre-Fabricated Bends The easiest method is to use a pre-manufactured 90-degree or angled bend that matches the tray type and size. These bends are designed to fit seamlessly with straight sections of the tray, providing a smooth path for cables and maintaining structural integrity without additional modifications.

Creating a Custom Bend If a pre-fabricated bend is not available, you can create a custom bend using the following steps:

- Mark the Bend Location:** Measure and mark the exact point where the bend is required on the tray.
- Remove Tray Lips:** For a flat 90° bend, remove part of the tray lip using a hand grinder or file to allow the tray to bend without deforming.
- Cut and Flatten:** Cut along the center line carefully and flatten the tray lip at the bend point using a blunt object.
- Bend and Secure:** Bend the tray to the desired angle and bolt the two parts together. Measure the internal edges to create a gusset if needed, then attach it to reinforce the bend.
- Smooth the Edges:** Ensure all cut edges are smooth to prevent cable damage.

Covering and Protecting the Bend Once the bend is formed, it is important to cover or protect the exposed edges:

- Gussets:** Use a gusset piece to bridge the internal gap of the bend, providing structural support and a smooth surface for cables.
- Rubber or Plastic Caps:** For wire mesh trays, protective caps can be placed over cut ends to prevent injury and protect cables.
- Bolt Cutters and Zinc Layer:** When working with wire mesh trays, using a bolt cutter can form a protective zinc layer on cut ends, which helps prevent corrosion and maintains safety.

Safety Considerations Always wear protective gloves and eye protection when cutting or grinding metal trays. Ensure the bend is smooth and free...

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Size and Compatibility: Select bands and bend covers that are appropriately sized for the cable tray system in use. Compatibility with the

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This video shows you how easy it is to form and bend an open cable tray from SILTEC - suitable for cables and pipes. See how easy it is to cut the threads away and bend the tray.

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Assembly Guide

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Fittings | OBO

They are compatible with both the classic screw-on cable tray variants and the Magic cable trays with innovative plug system. This not only makes installation

Bending Cable Tray

You can buy a manufactured 90 degree bend or make one on a cable tray bending machine but in this video I show you how to make one using a metal bar. This technique can get you out of a jam if you haven't bought one or

Extending Your Wire Mesh Basket or Cable Tray System Made

Learn how to easily extend a wire mesh basket or cable tray system with tips on bends, risers, dividers, covers, and support solutions.

How To Bend Cable Tray

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

Wiring in Cable Trays: Your Guide to Tidy and Safe

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