

Cut the cable tray T-junction

Article Overview

A T-junction in a cable tray can be created on-site by marking the cut, using appropriate cutting tools, and securing the branch with connectors or bolts while protecting the cut edges.

Step-by-Step Process

1. Plan and Mark the Cut Measure the location where the branch will connect to the main tray. Mark the outline of the T-junction on the main tray, ensuring the branch aligns at a 90-degree angle or the desired orientation. Accurate marking is crucial for a clean fit and proper alignment with the branch tray .
2. Select the Right Tools For wire mesh cable trays, a bolt cutter is commonly used to cut the tray live on-site. For solid or ladder-type trays, a hacksaw, angle grinder, or metal shears may be required. Ensure the tool is suitable for the tray material and thickness .
3. Make the Cut Carefully cut along the marked lines. For wire mesh trays, the bolt cutter will drag a layer of zinc across the cut, forming a protective layer. For solid trays, smooth the edges with a file or deburring tool to prevent injury and protect cables .
4. Protect the Cut Edges Use rubber caps or edge protectors to cover sharp edges, especially in wire mesh trays, to prevent damage to cables and ensure safety during installation .
5. Attach the Branch Tray Position the branch tray into the cut T-junction. Secure it using tray connectors, bolts, or clamps as recommended by the manufacturer. Ensure all connections are tight and the trays are level .
6. Verify Alignment and Stability Check that the T-junction is properly aligned and stable. Adjust as necessary before running cables through the tray. Proper alignment ensures smooth cable routing and prevents stress on the tray or cables

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CUTTING GUIDELINE

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HOW TO CUT CABLOFIL CABLE TRAY

Angle all cuts away from the new end. Cut each wire with one clean cut – eliminating any grinding or touch-up. Cut the bottom wires

Contact Us

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