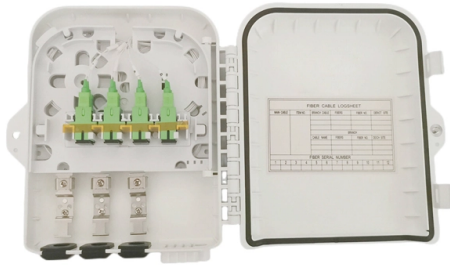


How to make cable trays in a factory



Article Overview

Cable trays are manufactured by selecting appropriate materials, cutting and shaping metal sheets, forming the tray structure, punching holes, and finishing with welding and surface treatment for durability.

Material Selection

The first step is choosing the right material based on strength, corrosion resistance, and the intended environment. Common materials include steel for strength, stainless steel for moisture-prone areas, aluminium for lightweight applications, and fiberglass for chemical or outdoor environments. For galvanized trays, a zinc coating is applied to prevent rust and extend lifespan .

Cutting and Shaping

Raw metal sheets or coils are cut to precise dimensions using laser cutting, shearing, or CNC punching machines. Accuracy is critical to ensure smooth edges and proper tray dimensions. The metal is then shaped into strips or flat panels ready for forming .

Forming the Tray

The cut metal is bent into the desired tray shape, typically C, U, ladder, or perforated designs, using hydraulic presses, roll forming machines, or press brakes. Roll forming machines automate the process by feeding metal through progressive dies to bend, punch, and cut the tray sections to length . Proper fold angles are essential to ensur...

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Cable Tray Fabrication Method Statement

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Below is a complete method statement for installation of cable tray, cable trunking and cable ladders in

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Cable Tray Fabrication Method Statement

The document outlines procedures for cable tray fabrication and installation for the HA MBD project. It includes sections on scope of

Cable Tray Making Machine

Cable trays come in many sizes and designs – ladder type, ventilated channel type, solid channel type, wire mesh

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Manufacturing process of making cable Trays

The process of making Cable trays using Hard metal sheet Factory manufacturing process Manufacturing processing

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Make expansion connections wherever cable tray and trunking are crossing building expansion joints. Cable trays are to be made

What is Cable Tray and How it is used in Industrial applications?

A perforated cable tray gives enough support to cables because this tray comprises ventilated bottom with side rails.

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