

RIVO MULTITRADE OPTICAL SYSTEMS

Flat iron for cable trays



Overview

Choose from our selection of cable trays, including over 850 products in a wide range of styles and sizes. Same and Next Day Delivery.

Key Takeaways

Mild steel flat iron, typically 16–18 gauge, is commonly used for the side rails and rungs of cable trays. **Material and Specifications**

Cable trays are generally constructed from mild steel, galvanized steel, or aluminum, depending on environmental conditions and load requirements. For ladder-type trays, which are widely used, the side rails and rungs are often made from flat iron or tubular steel. The flat iron provides the necessary mechanical strength to support cable bundles while maintaining a rigid structure. Typical thickness for flat iron in cable trays ranges from 16 to 18 gauge, balancing strength and ease of installation.

Structural Use

- **Side Rails:** Flat iron forms the longitudinal rails of ladder trays, providing the main structural support for the tray system.
- **Rungs/Cross Members:** Flat iron or tubular steel rungs are welded or bolted between the side rails at intervals of 6 to 12 inches, depending on cable weight and spacing requirements.
- **Load Capacity:** The gauge and width of the flat iron determine the tray's load class, which defines the maximum cable weight the tray can safely support over a given span.

Standards and Installation

Cable trays, including those using flat iron, are manufactured according to IEC 61537 or BS EN 61537 standards, ensuring proper mechanical strength, corrosion resistance, and compatibility with fittings . Flat iron components are often galvanized or powder-coated to resist corrosion, especially in industrial or outdoor environments . Installation requires proper support spacing, secure fastening, and alignment to maintain structural integrity and cable safety .

Summary

For most industrial and commercial applications, mild steel flat iron (16–18 gauge) is the standard choice for cable tray side rails and rungs, providing a durable, cost-effective, and code-compliant solution for supporting electrical cables .

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Cable trays are not raceways, but they are treated as a structural component of a facility's electrical system. Cable trays are a part of

Cable tray vs cable basket vs cable ladder vs cable trunking ...

This article will discuss the four most common types of cable containment and their uses: cable tray, cable basket,

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Cable trays offer continuous support of cables, are lightweight, quick and straight forward to install just about anywhere, and

Types of Cable Typically Used in Cable Tray

Types of Cable Typically Used in Cable Tray The purpose of a cable tray system is to support, route, and protect cable as part of the

What are the main types of galvanized cable tray?

1. What Is Pre-Galvanized Cable Tray? Pre-galvanized cable tray typically made from pre-galvanized steel, is a type of

Cable Tray Accessories, Support Bracket, Fittings & More

Explore cable tray accessories, from brackets and hangers to supports and fittings. Learn about their applications and benefits for

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