Type 56 cable trays



Overview

Types of Cable Trays: Ladder, Perforated, Basket, Solid Explore all types of cable trays—ladder, perforated, basket, solid, and channel. Learn their uses.

Key Takeaways

Type 56 cable trays are aluminum ladder-type trays designed for heavy-duty cable support with a 6-inch nominal depth and 5-inch rung spacing, suitable for industrial and marine applications.

Overview

Type 56 cable trays are a ladder-style cable tray system, meaning they consist of two longitudinal side rails connected by transverse rungs, forming a structure similar to a ladder. This design allows for maximum airflow around cables, promoting heat dissipation and preventing moisture buildup, which is critical for maintaining cable performance and safety in industrial and marine environments.

Material and Construction

Material: Aluminum alloy 6063-T6, copper-free marine grade, providing corrosion resistance and lightweight strength. Rung spacing: 5 inches nominal, allowing secure fastening of cables with ties while accommodating various cable sizes. Depth: 6 inches nominal outside depth, providing sufficient space for multiple cable layers.

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L Classification: Surface and cross-sectional area are certified by Underwriters Laboratories, ensuring compliance with safety standards.

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Applications

Type 56 trays are commonly used in: Industrial facilities: Power distribution, control, and instrumentation cables. Marine and offshore installations: Corrosion-resistant aluminum is ideal for harsh environments. Heavy cable loads: Ladder design supports significant cable weight over long spans, typically 10 to 24 feet.

Advantages

Efficient ventilation: Open ladder design prevents overheating of power cables. Easy maintenance: Cables can be accessed from the top or bottom for inspection or replacement. Scalability: Supports future cable additions without major modifications.

Durability: Aluminum construction resists corrosion and reduces structural weight compared to steel.

Installation Considerations

Load calculations: Deflection should be determined by multiplying the anticipated load by the deflection multiplier provided in technical specifications. Compatibility: Works with standard brackets, fittings, and accessories for secure installation in various configurations. Environmental suitability: Ideal for indoor, outdoor, and marine environments due to corrosion resistance and structural integrity.

Type 56 cable trays provide a robust, ventilated, and flexible solution for routing and supporting electrical cables in demanding industrial and marine applications, combining strength, accessibility, and compliance with safety standards.

Article Content

Types of Cable Trays: Ladder, Perforated, Basket, Solid

Explore all types of cable trays—ladder, perforated, basket, solid, and channel. Learn their uses, materials, pros, cons, and key differences.

S00004107-56a-aluminum-straight-section-56-standard-rung-ladder

56A NOMINAL ALUMINUM LADDER TYPE CABLE TRAY 6" NOMINAL OUTSIDE DEPTH RUNG 5" NEMA LOADING DEPTH SPACING 1" CABLE ALUMINUM ALLOY 6063-T6, COPPER FREE

Cable Tray Dimensions Guide: Standard Sizes, Tray Types & Sizing

Explore standard sizes by tray type, understand width and depth limits, and see how to calculate and choose compliant cable tray sizes for real projects.

Cable Tray Types and Sizes

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Types of Cable Trays and Sizes Explore various cable tray types and sizes for electrical installations. Learn about ladder, perforated, solid-bottom, wire mesh,

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian Electrical Code, Part I and the National Electrical Code®

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Resources for Cable tray and ladder systems

Our cable tray design considerations guide details key factors to consider when designing cable tray systems for industrial and commercial applications. Browse or download the cable tray catalog for

Eurostrut Cable Trays | cable tray, cable route and NATO tray

Cable trays for industrial and marine use. Includes distribution trays, cable routes and NATO-type models. Request a quote directly via our webshop.

Cable Tray Design and Components Guide

This document provides information about cable trays and accessories, including straight cable trays, perforated trays, returned edge and flange types, and bent cable trays.

Cable Tray Technical Guide A practical guide to product selection and ...

Cable tray installed in a hazardous location must contain only those cables that are appropriate for this type of environment as defined in Chapter 5 of the NEC.

CABLE TRAY

The cable weight should be supported in such a manner as to prevent damage to the cable tray or cable during this type of installation. As the cable is installed, intermediate supports should be installed on

Cable Tray Types and Sizes

What is Cable Tray Systems? An electrical cable tray is a type of containment system used to support insulated electrical cables for power distribution, control, and communication. Today, electrical cable

Cable Tray Technical Guide A practical guide to product selection and ...

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SOLID-BOTTOM CABLE TRAY Providing additional cable protection, solid-bottom cable tray is sometimes preferred to support and protect numerous small instrumentation and control cables.

Types of Cable Trays – Purpose, Advantages, Disadvantages

Cable tray is alternatives to wire ways and electrical conduits, which completely enclose cables. Study types of cable trays, purpose, advantages.

Full NEMA cable tray and cable management catalog

Stainless Steel cable trays are fabricated from continuous roll-formed AISI Type 304 or AISI Type 316/316L stainless steel. Both are non-magnetic and belong to the group called austenitic stainless

Cable Trays and Accesories

Types Overview and Components SFSP cable trays and accessories from SFSP are manufactured from steel sheets in accordance with BS EN 10130/BS EN 10131/ BS EN 10051, complying with BS EN

7 Types of Cable Trays: How to Choose the Right One

Cable tray systems are engineered support structures designed to route, support, and protect insulated electrical cables used for power distribution, control, instrumentation, and

Different Types of Cable Trays and Their Benefits: A

Excerpt: Cable trays are vital for organizing and protecting cables in industrial and commercial settings. This guide explores the various types of

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