

Non-magnetic cable trays



AI Overview

Non-magnetic cable trays are typically made from fiberglass-reinforced plastic (FRP) or other non-metallic materials, offering corrosion resistance, lightweight construction, and high strength-to-weight ratios.

Overview of Non-Magnetic Cable Trays

Non-magnetic cable trays are designed to avoid interference with sensitive electrical or electronic systems. They are commonly used in industries such as petroleum, mining, fertilizer, offshore oil and gas, and medical facilities. These trays are non-conductive, corrosion-resistant, and lightweight, while still providing load capacities comparable to steel trays.

Common Models and Types

Fiberglass-Reinforced Plastic (FRP) Trays

Made using pultrusion technology, which ensures a resin-rich surface for UV resistance and corrosion protection. Meet ASTM E-84 Class 1 flame rating and ASTM D-635 self-extinguishing requirements. Examples include T&B nonmetallic cable trays suitable for harsh offshore and industrial environments.

Channel Cable Trays (GRP)

Offered by manufacturers like Eaton, these trays are available in multiple CAD and BIM formats for design integration. Ideal for customized layouts and complex installations.

Swifts Cable Tray System

Modular, slot-patterned trays with four depth options: light duty (12-18mm), medium duty (25mm), heavy duty (50mm), and extra heavy duty (80mm). Features fast-fit installation with Swiftclip connectors, reducing installation time and labor costs. Suitable for both internal and external environments.

Nonmetallic Pultruded Trays

Lightweight yet strong, these trays are non-magnetic and corrosion-resistant, making them ideal for saltwater, chemical, or outdoor exposure. Can be used in petroleum, mining, and fertilizer industries where environmental conditions are harsh.

Key Features to Consider

- Material:** FRP or other non-metallic composites for non-magnetic properties.
- Load Capacity:** Comparable to steel trays, despite lighter weight.
- Corrosion Resistance:** Suitable for chemical, saltwater, or outdoor exposure.
- Flame Rating:** Co...

Article Content

Non-metallic cable tray | Fiberglass | High temperature

Eaton's B-Line series fiberglass cable tray systems provide an economical support system with superior strength at room temperatures and dependable load

Good practice rules for electromagnetic compatibility

Wire tray does not have any intrinsic screening qualities while prefabricated trunking is particularly effective on this point. Cable tray, trunking

FRP Cable Trays

FRP Cable Trays are a superior alternative to conventional steel or aluminum trays, particularly in aggressive environments such as chemical plants, coastal

Cable Tray Selector

MP Husky's cable tray selector for choosing the correct tray type (ladder, solid bottom, perforated, wire mesh) and size based on load, cable type and

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

Cable trays support insulated electrical cables in industrial and commercial settings. There are several types of cable trays, including ladder,

Fiberglass Cable Trays | Fiberglass Grating | Uniflex

Our fiberglass cable tray gives you the load capacity of steel plus the inherent characteristics afforded by our Protrusion Technology: non-conductive, non

Nonmetallic Cable Tray Systems | PDF Catalogues | ABB

Browse our nonmetallic fiberglass cable tray systems offering superior resistance to corrosive conditions in petroleum, mining, and fertilizer industries.

Cable Trays | McMaster-Carr

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

Non-Metallic Cable Trays: Benefits, Costs, and Best Uses

With over a decade of experience in the electrical industry and numerous successful installations, I aim to shed light on the benefits, costs, and best uses of non-metallic cable trays, helping you make an

Trefoil Cable Cleat

Provides securing, support and retention of cables in cable ladder, tray or strut systems. Designed to hold cables together in a trefoil arrangement and to

Manufacturer of GRP/FRP Pipe & Chemical Equipment

FRP Cable Trays are non-metallic support systems for routing electrical and data cables in industrial and commercial facilities. Made of fiberglass-reinforced

Non-Metallic Cable Trays: Benefits, Costs, and Best Uses

Comparing Non-Metallic and Metallic Cable Trays To better understand the advantages of non-metallic cable trays, let's compare them with their metallic counterparts: Durability: While metal trays can

Tray Cable | Tray Cable Inventory for Industrial Use

Browse OmniCable's extensive tray cable inventory, including 600V tray cables for power and control in wet, dry, and hazardous locations, with single and multi

Fiberglass Cable Tray

Our Fiberglass Cable Tray gives you the load capacity of steel, plus the inherent characteristics afforded by Pultrusion Technology: non-conductive, non

Gaming Desk Cable Management: Complete Guide 2026

Master gaming desk cable management with practical methods for steel, glass & L-shaped desks. Learn no-drill hacks, magnetic routing, tray selection & small roo

T& B® Cable Tray

Nonmetallic cable tray gives you the load capacity of steel plus the inherent characteristics afforded by our pultrusion technology: non-conductive, non-magnetic and corrosion-resistant. Although light in

FRP Cable Tray | Cable Tray Support

FRP CABLE TRAY SUPPORT SYSTEM FRP cable support systems are made of glass reinforced thermoset resin and are designed to combine the light weight of FRP with the strength of metal cable

Non Ferrous Cable Tray | Nova Energy & Automation

Aluminum Tray 18" x 6" 45° SS Hardware Catalog # A-TRAY 18X6 45SS INCLUDES NON FERROUS HARDWARE call or email for quote Qty Add to Quote

318 T& B CABLE TRAY CABLE TRAY SYSTEMS

Why specify our cable tray? of the offshore oil and gas industry. This tray is ideally suited to withstand the corrosive conditions inherent in the petrole m, mining, and fertilizer industries. In these

FRP Cable Trays for Extreme Conditions

Being anti-corrosive in nature, FRP Cable Tray also offers good conductivity and non-magnetic feature, therefore this fiberglass cable tray reduces the risk of shock as well. The advantages of using these

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

Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray

Nonmetallic

Nonmetallic - Cable tray systems Drop outs and barrier strips Specially designed ladder drop outs provide a rounded surface with adequate radius to protect cable as it exits from the tray, preventing

PRODUCT SOLUTIONS BRIEF LEGRAND

Legrand Itray With patented all-aluminum construction, Legrand's Itray is the only tray available that is 100% non-ferrous. When installed with Legrand's aluminum hardware, the Itray is entirely non

Nonmetallic

Nonmetallic cable tray systems have been tested and proven in the harsh environment of the offshore oil and gas industry. This tray is ideally suited to withstand the corrosive conditions inherent in the

Contact Us

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