

High-Temperature Resistant Cable Tray Factory



Overview

Cable tray manufacturing | High temperature material | EatonSelect the right materials for cable tray use at high temperatures. Eaton's B-Line series offer.

Key Takeaways

China and global manufacturers offer high-temperature resistant cable trays in materials like stainless steel, aluminum, and FRP, with customization and certification options for industrial applications. Leading Manufacturers and Suppliers



1. CableTrayCN CableTrayCN specializes in high-temperature resistant cable trunking for factories, offering sizes from 25mm to 200mm and custom specifications. Their products feature mechanically fastened rungs capable of supporting 200 lbs, UV-resistant coated surfaces, and a full range of connectors, fittings, and covers. The company operates over 30 production lines and provides customized solutions to meet specific industrial requirements, with delivery typically within 7–20 days for standard sizes. Their products are ABS, NEMA, and CSA certified . 2. APEXTRAY APEXTRAY manufactures solid bottom, ladder, and perforated cable trays using galvanized steel, stainless steel, and aluminum. They provide customized designs for complex projects, including chemical plants, airports, and power distribution centers. Quality is ensured through rigorous testing and advanced production equipment, with lead times generally between 10–30 days depending on order size and specifications. They also offer installation support and industry-specific solutions . 3. Eaton Eaton provides guidance on high-temperature cable tray materials, highlighting that stainless steel (AISI 304, 316, 304L, 316L) is most effective for extreme heat, maintaining strength at temperatures up to 1200°F. Low-carbon steel and aluminum are also options, but coatings and zinc plating may degrade at high temperatures. Eaton's B-Line series offers engineering support for selecting the right material for high-temperature industrial environments . 4. Techline Manufacturing Techline offers Snap Track® ventilated aluminum cable trays for manufacturing and processing plants, including chemical, pharmaceutical, and food & beverage industries. Their marine-grade 6063-T6 aluminum resists washdown, chemical exposure, and temperature swings, while push-pin assembly reduces installation labor by 40–60%. These trays are ideal for dynamic production environments requiring frequent reconfiguration . 5. Radix Wire & Cable While primarily a high-temperature wire and cable manufacturer, Radix provides solutions compatible with high-temperature cable trays, supporting environments from 125°C to 1010°C. They emphasize customized solutions, material quality, and reliability for extreme industrial conditions .

Key Considerations for High-Temperature Cable Trays

- **Material Selection:** Stainless steel is preferred for extreme heat; aluminum and low-carbon steel are suitable for moderate temperatures. FRP is ideal for chemical resistance.
- **Load Capacity:** Ensure rungs and side rails can support concentrated loads typical in your facility.
- **Certifications:** Look for ABS, NEMA, CSA, or ISO certifications to ensure compliance with safety and quality standards.
- **Customization:** Many factories offer custom sizes, coatings, and accessories to meet specific project requirements.

- **Installation Support:** Some manufacturers provide guidelines, CAD designs, and on-site support for proper installation. For sourcing, contacting CableTrayCN or APEXTRAY is recommended for custom high-temperature resistant cable trays, while Eaton and Techline provide material guidance and specialized solutions for extreme industrial environments.

Article Content

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High-Temperature Cable | McMaster-Carr

Choose from our selection of high-temperature cable, including over 225 products in a wide range of styles and sizes. Same and

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Since 1944, Radix has been the leader in high temp wire and cable. Radix specializes in the design and manufacturing of products to

Selecting the right materials for cable tray use at high temperatures

Aluminum, fiberglass, steel, and stainless steel are all readily available materials for cable tray manufacturing. These materials

Selecting the right materials for cable tray use at high temperatures

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High temperature Tray cable FEP Jacketed

OMERIN USA cable for high temperature application, used in raceways and cable trays. Operating temp -90°C to +200°C. Dual

High Temp Cable | Heat-Resistant Electrical Wire | OmniCable

OmniCable provides a specialized range of high-temperature cables designed to endure extreme conditions in industrial and

Products

Discover our cable tray products, offering robust and versatile solutions for any setup. Ideal for data centers and industrial

Cable Tray Technical Guide A practical guide to product selection

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

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Cable tray systems are designed with durability in mind and can last a lifetime if properly maintained. They are made of high-quality

FRP Cable Tray Manufacturer

Chemitech Group is a leading FRP cable tray manufacturer, providing high-quality FRP cable trays for durable and reliable cable

Tray cables | OMERIN USA Cable manufacturer

Tray cables are versatile cables approved for use in raceways and cable trays. They can be used for control and power. High

Cable Tray - AD STEEL

Our Perforated Cable Trays are designed for optimal cable management, providing superior support and ventilation for insulated

Cable management high temperature applications

Tailor-made cable management for high temperature applications by replacing metal with plastic components to offer weight

Tray-Rated Cable 101

According to the NEC (National Electric Code), tray cable is defined as “a factory assembly of two or more insulated conductors, with

Non-metallic cable tray | Fiberglass | High temperature | Eaton

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

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