Construction of large-span cable trays in Vietnam

Overview

Located in Binh Duong Province, Vietnam''s key manufacturing hub, this project involved building a power distribution infrastructure for a newly constructed 50,000 electronic component factory.

Key Takeaways

Large-span cable trays in Vietnam are designed for heavy-duty industrial applications, offering high load capacity, corrosion resistance, and adaptability to hot and humid conditions.

Overview of Large-

Span Cable TraysLarge-span cable trays differ from standard trays by providing extended support spans and high loading capacities, making them suitable for heavy cables such as power, communication, thermocouple, and control system cables. They are commonly used in industrial factories, power plants, oil and gas facilities, and data centers across Vietnam. These trays are engineered to withstand harsh environmental conditions, including high humidity and heat typical of Vietnam's climate.

Materials and FinishesLarge-span cable trays are manufactured from stainless steel (304/316), fiberglass reinforced plastic (FRP), and aluminum alloy. Finishes include pre-galvanized, hot-dipped galvanized, and powder-coated surfaces, providing excellent corrosion resistance, heat resistance, and long service life. Hot-dip galvanized (HDG) trays are particularly effective in humid industrial environments, as demonstrated in projects like the Vietnam Nghigon Factory.

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Types and StructuresLarge-span cable trays come in various shapes and styles: Ladder type: Open design for ventilation and heat dissipation. Channel type: Solid or perforated for heavy-duty support. Perforated type: Allows airflow and reduces weight.

They can be configured into straight runs, horizontal bends, tees, crosses, reducers, and vertical bends, enabling flexible routing in complex industrial layouts.

Installation Considerations

Installation of large-span cable trays involves: Support accessories: Corbels, hangers, brackets, and strut channels to ensure stability and load distribution. Load management: Proper spacing and support to handle heavy cables without sagging. Environmental adaptation: Selection of materials and coatings to resist corrosion, UV exposure, and heat in outdoor or humid indoor conditions.

Maintenance: Easy access for inspection and cable replacement, with long-term durability reducing maintenance frequency.

Suppliers in Vietnam

Vietnam has several suppliers and manufacturers of cable trays, including Dong Kwang Vina, which offers a wide range of cable support systems such as ladder trays, solid bottom trays, perforated trays, and accessories. Other suppliers provide carbon steel and stainless steel options suitable for industrial projects.

Summary

For industrial projects in Vietnam, large-span cable trays provide a reliable solution for heavy-duty cable management, combining high load capacity, corrosion resistance, and adaptability to hot and humid conditions. Proper selection of material, finish, tray type, and installation accessories ensures safe, efficient, and long-lasting cable infrastructure.

Article Content

SANFENG ELECTRIC Case Study: Custom Cable Tray System for

Located in Binh Duong Province, Vietnam''s key manufacturing hub, this project involved building a power distribution infrastructure for a newly constructed 50,000 electronic component factory. The

Vietnam HDG Solid Bottom Cable Tray for Factory Construction Project

The system was designed to support power distribution and control cables across production areas, ensuring reliable and organized cable routing in a demanding industrial environment.

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HDG Cable Ladder in Vietnam Nghigon Factory Project

Learn how our HDG cable trays, ladders, and strut channels supported the Vietnam Nghigon Factory Project, providing reliable infrastructure for industrial operations.

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Long-Span Cable Tray | Heavy-Duty Support for Large Industrial

Long-span cable trays have a larger support span than ordinary cable trays, with a more sophisticated structural design and greater load-bearing capacity.

Cable tray

Eetech manufactures cable tray in Viet Nam. This system is suitable for workshops, buildings -Specifications: Materials: steel sheet with surface powder coated, electro-galvanized steel sheet, hot

Large Span Cable Tray | Heavy Duty Cable Tray Manufacturer

Large span cable trays are designed to support heavy cable loads across long distances without intermediate supports. Made from high-strength galvanized steel or stainless steel, these trays

Cable Tray Systems – Globe Electricals

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Cable routing under the toughest conditions

Optimum power supply Industrial plants and technical companies require ef-fective cable routing. Our cable trays and cable lad-ders from the wide span system ensure that cables can be routed easily

How Fiberglass Cable Trays Cut Installation and

Across Vietnam''s growing industrial, energy, and construction sectors, the demand for smarter, more resilient cable management solutions is

An In-depth Analysis for Optimal Cable Tray Support Span

The constructability for the longer span obtained from finite element analysis has been validated in view of manual handling of the cable tray.

Cable Trays Market in Vietnam | Report

The Vietnam cable trays market is positioned at the nexus of the nation''s rapid industrialization and ambitious infrastructure modernization agenda. Characterized by robust

Cable tray

Color: According to specific requirements from customers. ♦ Application: Cable tray is used to support and manage power cables and control cables in a variety of commercial and industrial settings. It

Top 5 Best Cable Tray Manufacturers in Hanoi

In recent years, the electrical engineering sector has made significant improvements, largely thanks to the use of cable trays. These trays have

blocktrail-webwallet/src/lib/zxcvbn/dist/zxcvbn.js.map at master ...

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