Thailand Cable Tray Raw Materials



Overview

Our technical & sales department offers a wide selection of raw material, loading capacity or construction requirements.

Key Takeaways

Thai standard cable trays are commonly made from Hot-Dip Galvanized steel, Stainless Steel SS316L, and Glass-Fibre Reinforced Polyester (GRP), each selected for specific environmental and load requirements. Common Raw Materials1.

Hot-

Dip Galvanized Steel (HDG) Hot-Dip Galvanized steel is widely used for cable trays in Thailand due to its excellent corrosion resistance and cost-effectiveness. The steel is coated with a layer of zinc, which protects it from rust and extends its lifespan, making it suitable for indoor and outdoor installations in moderate environments.

HD

G trays are often used in industrial, commercial, and infrastructure projects where mechanical strength is important. 2. Stainless Steel SS316L Stainless Steel SS316L is a high-grade, corrosion-resistant material ideal for harsh environments, including chemical plants, coastal areas, and locations with high humidity or exposure to corrosive substances.

It provides long-term durability and is suitable for both light and heavy-duty cable tray applications. SS316L trays are often chosen for projects requiring high hygiene standards or extreme environmental resistance. 3.

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Glass-

Fibre Reinforced Polyester (GRP) GRP is a non-metallic, lightweight, and highly corrosion-resistant material. It is ideal for environments where chemical exposure, moisture, or UV radiation is a concern.

GR

P trays are also non-conductive and halogen-free, providing additional safety for electrical installations. They are commonly used in chemical plants, offshore facilities, and outdoor installations where metal trays may degrade over time.

Additional Considerations

Mechanical Strength and Load Capacity: Material choice affects the tray's ability to support cable weight. Steel trays (HDG or SS316L) are preferred for heavy-duty applications, while GRP is suitable for medium to light loads.

Ventilation and EM

C Protection: Non-perforated trays provide electromagnetic compatibility (EMC) protection, while ladder-type trays allow better ventilation for power cables. Installation Flexibility: GRP and steel trays can be customized for wall, ceiling, floor, or suspended installations, with options for bolt-free or modular connections. In Thailand, manufacturers like Niedax Thailand, United Group, and TST Metal Work provide a wide range of cable trays using these materials, ensuring compliance with Thai standards and international quality certifications.

Choosing the right raw material depends on environmental conditions, load requirements, and project specifications, ensuring both safety and longevity of the cable management system.

Article Content

Main Pange

Up to now, with 16 years experience in Cable Tray System by the same staffs group from Trunking Division of TS Trunking, we are proud to offer our products and

Products & Solutions

Our technical & sales department offers a wide selection of raw material, loading capacity or construction requirements.

Thailand Quality Cable Tray Raw Materials

A cable tray is a structural system used to support and manage electrical cables in various settings, such as industrial, commercial, and residential environments.

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TOP 5 Cable Tray Manufacturers in Thailand

Explore the top cable tray manufacturers in Thailand, including SMC Siam, NRE, United Group Thailand, SCI Manufacturing, and Leenapl. Learn about their quality cable tray systems for

N.R.Engineering | Raceway & Cabinet

N.R.Engineering Co., Ltd. sells raceways, cable trays, cable ladders, and electrical control cabinets from KJL, a highly trusted Japanese brand with cutting edge

Electrical Cable Tray In Thailand

We are a one-stop shop for top-notch Electrical Cable Tray in Thailand. Our cable trays are manufactured from robust materials and rigorously tested to ensure they can withstand even the

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With state-of-the-art facilities in Samut Prakarn, Chachoengsao, and Ban Pho, we drive industry standards forward. We select raw materials with purity levels

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Industrial and Commercial Cable Tray Systems Market Forecast

The Industrial and Commercial Cable Tray Systems market is expanding, driven by increasing infrastructure development and the rising demand for organized cable management.

Cable Tray Specifications and Sizes

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The data sheet provides specifications for standard cable trays and accessories. Standard cable trays are 2.5 meters in length with a maximum thickness deviation of 0.01mm and dimensional deviation of

ECO Series Economic Cable Trays

About this product “Technical Information” and “Loading Diagrams” about ECO Series Economic Cable Trays are declared in the attached “Technical Catalog”. The data declared in the Technical Catalog

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