ZITHA TECH SPECIALTY CABLES (Pty) Ltd

ASEAN Cable Tray Models



Overview

Baruna offers cable trays and accessories in both the 304 and 316 series. These austenitic alloys are remarkable in several respects.

Key Takeaways

ASEAN cable trays are available in various types, materials, and sizes, including ladder and channel designs, with specifications adhering to international standards for safety, load capacity, and EMI mitigation.

Types and Materials

1. Ladder Type Cable Trays: These consist of two longitudinal side rails connected by transverse rungs, providing maximum ventilation for heat-producing cables such as power lines. They are commonly fabricated from galvanized steel, aluminum, or fiberglass .

2. Channel Type Cable Trays: These are pultruded or solid-bottom trays with integral side rails, offering enhanced protection against external damage and are suitable for control, communication, or non-heat-producing cables .

3. Fiberglass Reinforced Plastic (FRP) Trays: Products like ORITRAY from Indonesia provide corrosion resistance, fire retardance, UV protection, and high load capacity, making them ideal for harsh environments .

Dimensions and Models

ASEAN manufacturers offer a wide range of standard dimensions:

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• Lengths: 2440mm, 2500mm, 3000mm

• Widths: 100mm to 900mm in increments (100, 150, 300, 450, 600, 750, 900mm)

• Heights: 50mm, 75mm, 85mm, 100mm, 200mm

Models include straight sections, elbows (horizontal and vertical), tees, crosses, reducers, and covers (solid or louvered) to accommodate directional changes and cable protection .

Compliance and Standards

ASEAN cable trays are designed to meet international and regional standards, including:

• NEMA VE 1-2017 for metal cable tray systems

• ASTM A123 & ISO 1461 for corrosion protection

• UL certifications for safety compliance

• Local ASEAN equivalents for electrical and mechanical standards .

EMI Mitigation and Installation Considerations

When sourcing from ASEAN suppliers, it is critical to ensure:

• Proper separation between power and signal cables (typically ≥15cm) to reduce EMI .

• Segregated trays or partitions for sensitive control and communication lines.

• Clear labeling and installation instructions to maintain compliance and safety.

• Pre-shipment inspections and documentation to verify standards and prevent project delays .

Accessories and Installation Support

Cable tray systems are complemented by:

• Splice plates, clamps, brackets, and hangers for secure installation

• Covers to protect against dust, sunlight, and accidental contact

• Engineering support from suppliers to ensure proper load ratings, spacing, and compliance .

Summary

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ASEAN cable trays offer versatile solutions for industrial, commercial, and infrastructure projects, with options in metal and fiberglass, ladder and channel types, and a full range of accessories. Buyers should prioritize compliance with international standards, EMI mitigation, and supplier technical support to ensure safe and efficient installations.

Article Content

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The cable tray system should be determined by the combination of cable load (Step 3). Consult the Structural Design section of this

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Asian Cable Tray Procurement

For global buyers sourcing cable management systems from ASEAN factories, understanding technical installation standards is

Cable Support System

Cable Ladder, Cable Tray & Wire Cable Tray is a cable support system which can be guard cable with sturdy structure for any

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Cable Trays and Accesories

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Cable Trays and Accessories are designed to meet most requeriments of cable and electrical wire installations and comply to local

Cable trays

We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation. Our

Home page

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Thomas & Betts offers a wide range of cable tray wiring systems for you to choose from. They are Reliable, Adaptable, Low

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Download CAD block in DWG. 3d model of trays to transport electrical and instrumentation cables. (302.62 KB)

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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

Perforated Cable Tray Covers, FRP Gratings, Manufacturer

We are Manufacturer, Supplier, Exporter of our product range: FRP Cable Trays, Perforated Cable Trays, Ladder Type Cable Trays,

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PT. Sumber Surya Mandiri is a steel products manufacturer and distributor. Our cable tray factory is located in Indonesia and exports

Cable Management Solutions

ABB manufacturers a comprehensive range of cable tray systems and solutions including cable ladder, perforated tray, channel tray

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Complete cable tray manual for electrical engineers and designers

The final drawings for a cable tray wiring system may be completed and sent out for bid or construction more quickly

CABLE TRAY SYSTEMS GUIDE

The Ladder Tray features light, rugged, tubular steel construction. It is designed for mechanical support and strain relief in long runs

CABLE TRAY CABLE TRAY

Cable Tray e lengths. They ar 1 eir steel. Often, they are fabricated from pregalvanized s long corrosion resistant life, with a clean

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Our company manufactures high-quality hot dip galvanised (HDG) cable trays that meet the requirements of cable and electrical wire

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Straight sections of solid bottom cable trays contructed from single sheet of metal, providing excellent protection from

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