

Article Overview

Polymer cable trays in Sri Lanka provide a safe, corrosion-resistant, and flexible solution for organized cable management in industrial and commercial installations.

Types of Polymer Cable Trays

Polymer cable trays, also known as FRP (Fiber Reinforced Plastic) or PVC trays, are widely used in Sri Lanka for environments where corrosion resistance, lightweight handling, and electrical insulation are critical. These trays are available in various forms:

- o Ladder-type trays: Ideal for heavy-duty cables and long spans.
- o Perforated trays: Allow ventilation and heat dissipation for sensitive cables.
- o Solid-bottom trays: Provide full protection for cables in dusty or wet environments. Suppliers like PRISMA and Eastlink offer polymer trays with a range of accessories, including bends, couplers, and supports, designed for easy installation and compliance with international standards .

Installation Guidelines

- o Planning and Layout: Determine the cable routes, load requirements, and support spacing. Polymer trays are lighter than metal trays, allowing longer spans between supports, but always follow manufacturer specifications.
- o Support and Fixing: Use brackets, hangers, or wall-mounted supports to secure trays. Ensure proper alignment and leveling to prevent sagging.
- o Joining Sections: Connect tray sections using couplers or splice plates. For polymer trays, avoid over-tightening fasteners to prevent cracking.
- o Cable Laying: Lay cables neatly within the tray, maintaining separation for power, data, and control cables if required. Use cable ties or clamps compatible with polymer materials.
- o Grounding and Bonding: While polymer trays are non-conductive, ensure proper grounding of metallic accessories or hybrid systems if used.
- o Inspection and Maintenance: Periodically check for mechanical damage, UV degradation, or excessive load. Polymer trays require minimal maintenance compared to metal trays .

Advantages of Polymer Cable Trays

- o Corrosion Resistance: Ideal for coastal or chemical-prone environments in Sri Lanka.
- o Lightweight: Easier handling and installation, reducing labor costs.
- o Electrical Insulation: Reduces risk of short circuits and enhances safety.
- o Durability: Resistant to moisture, chemicals, and UV exposure.
- o Flexibility: Can be cut or modified on-site to fit complex layouts .

Suppliers in Sri Lanka

- o PRISMA: Offers a wide range of polymer cable trays, ladders, trunkings, and accessories, tested to international standards with customizable finishes .
- o Eastlink: Provides polymer and metal cable trays with full accessory support for safe and organized cable distribution .
- o AXEL: Supplies perforated and ladder-type trays with versatile mounting options and UKAS-accredited testing .
- o Kiash Electricals: Offers durable trays suitable for industrial and commercial applications, focusing on safety and organized cable management . Using polymer cable trays in Sri Lanka ensures long-term reliability, safety, and compliance with modern electrical installation standards, making them a preferred choice for industrial plants, commercial buildings, and infrastructure projects.

Cable Tray Systems Guide HUBBELL Hubbell Wiring Device-Kellems and Hubbell Premise Wiring are divisions of Hubbell

AXEL range of perforated cable trays are manufactured to the highest standards, offering time saving and adaptable designs,

150 200 300 400 500 Why GKS Engineered Cable Trays ? The illustration below shows the natural resources we consume to

Cable trays are used in the industrial plants to protect the laid cables. Specifically, the perforated series are characterized by more

We provide a variety of cable trays and accessories, including electro galvanized, hot dip galvanized, steel, aluzinc, and aluminum

Cable Trunking and Fittings, Trunking Fitting Accessory Box ??350.00 3 X Rs. 116.67 or 3.5% Cashback

Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure

Cable Management Systems in a range of Cable trays, tray covers, fixing Supports, trunkings, Raised floor

East Link Building, 163/26, Nawala Road, Colombo 05, Sri lanka, Production Plant 416/5, Leyland Road, Panagoda, Homagama. Sri

Quick Installation Checklist (Key Steps) Cable tray cable installation generally follows these

Sale! Select options Cable Management System, Cable Tray, Powder Coated Cable Tray Adjustable Bend
Sale! Select options

At Super Cable Tray Pvt. Ltd., we are dedicated to providing superior quality cable tray systems that excel in the management of

Cable Tray Installation - Complete Guide June 11, 2025 How about organizing your wiring with a cable tray system?

2.Method Statement for Installation of Cable Tray & Cable Laying - Free download as Word Doc (.doc / .docx), PDF File (.pdf), Text

Looking for Premium Quality GI Perforated Cable Trays Manufacturers in Sri Lanka? Kiash Electricals - Leading Suppliers, Exporters

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