

Dongya Plastic Cable Tray Specifications and Models

Article Overview

Dongya plastic cable trays are likely PVC-based, non-conductive, corrosion-resistant, and available in multiple widths with pre-drilled installation features for versatile applications.

Material and Construction

Plastic cable trays, such as those made from PVC, are lightweight, non-conductive, and impact-resistant, making them suitable for environments where metal trays are prone to corrosion or electrical conduction issues. They are resistant to UV radiation, moisture, and chemical exposure, which allows installation in high-humidity, outdoor, or chemically aggressive environments. The trays are typically manufactured with pre-drilled fixing holes and adjustable couplers, enabling flexible orientation (up, down, left, or right) during installation.

Dimensions and Sizes

Plastic cable trays are generally available in widths ranging from 100 mm to 400 mm, with standard lengths designed for easy transport and installation. Depth and sidewall height vary depending on the load requirements and cable type. Material thickness affects load capacity, allowable span, and long-term durability, so selecting the correct thickness is critical for structural performance. Typical tray lengths are standardized to simplify installation and ensure compatibility with bends, risers, and covers.

Load and Cable Management

Plastic trays provide adequate support for power and data cables, with perforated or solid bottoms depending on ventilation and heat dissipation needs. Cable fill should comply with standard guidelines, typically limiting tray fill to a percentage of the usable area to prevent overcrowding and overheating. Ladder-style trays are preferred for heavy cable loads and maximum airflow, while solid or perforated trays are suitable for lighter loads or environments requiring protection from dust and debris.

Standards and Certifications

Plastic cable trays are designed to meet EN 61537 for cable management systems and may carry UL 568 certification for UV resistance. Compliance with these standards ensures safety, durability, and suitability for industrial, commercial, and renewable energy installations. Users should verify that the specific Dongya product meets local electrical and mechanical standards before installation.

Installation Features

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- o Pre-drilled holes for quick mounting
 - o Adjustable couplers for flexible orientation
 - o Compatibility with bends, risers, and covers
 - o Lightweight design for easier handling and installation
- Plastic cable trays are ideal for underground installations, solar/PV systems, shorefront areas, and chemical plants, where corrosion resistance and non-conductivity are critical . By considering these specifications, engineers and installers can select the appropriate width, depth, and material thickness to ensure safe, code-compliant, and durable cable management solutions.

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Cable Tray Specification In the realm of infrastructure development, the efficient management of electrical conduits plays a pivotal

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PVC CABLE TRAY SYSTEMS Basor PVC Cable Tray is a non-conductive, non-corrosive, lightweight and impact resistant cable

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Cable Tray Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and

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The PVC plastic cable trays produced by Canalplast have the advantage of being extremely versatile, since

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they can be installed on

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