ASEAN Electro-galvanized Cable Tray Specifications and Dimensions



Overview

The document provides a technical data sheet for cable trays including ladder and perforated types. It lists specifications for material, thickness, dimensions, loading capacity, fittings and accessories.

Key Takeaways

ASEAN electro-galvanized cable trays are manufactured to NEMA VE-1 or equivalent IEC standards, with corrosion protection via zinc coatings and standardized ladder, trough, and solid-bottom designs. Material and Corrosion ProtectionElectro-galvanized cable trays are typically made from carbon steel or aluminum, with corrosion protection achieved through electrodeposited zinc coatings (ASTM B633) or hot-dip galvanization (ASTM A123/A123M) for outdoor or highly corrosive environments. The zinc coating thickness for hot-dip galvanized trays is generally 0.

065 mm (2. 55 mils) per side, providing a coating weight of 460 g/m² per side. Damaged areas must be repaired with compatible materials, and corrosion-inhibiting compounds are applied at junctions of dissimilar metals to prevent galvanic corrosion.

Standards ComplianceNEMA VE-1: Metallic cable tray systems, including ladder, trough, and solid-bottom types.

IE

C equivalents: For ASEAN countries adopting international standards.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

AST

M A653/A1008/A1011: Steel sheet specifications for structural quality and formability.

NEM

A VE-2: Installation guidelines for cable trays.

Types and Dimensions

Ladder Type: Two longitudinal side rails connected by transverse rungs. Rung spacing: 150 mm (per NEMA VE-1)Provides ventilation and easy cable support for heavy loads. Trough Type: Solid or perforated bottom with side rails, suitable for medium loads.

Solid-

Bottom Type: Fully enclosed bottom for maximum protection against dust, moisture, or chemical exposure. Channel Type: Smaller, compact trays for light cabling or specific routing needs. Width and height options vary depending on manufacturer and project requirements, typically ranging from 100 mm to 600 mm in width and 50 mm to 150 mm in height for standard ladder trays.

Custom sizes are available for high-volume or specialized installations.

Installation Considerations

Trays must be installed according to drawings and field verification to ensure proper routing and support. Supports and accessories include bends, tees, elbows, drop-outs, and brackets. Outdoor trays require hot-dip galvanization or anodized aluminum for corrosion resistance.

PV

C coatings are not recommended for galvanized steel or aluminum trays. SummaryASEAN electro-galvanized cable trays are designed for durability, corrosion resistance, and compliance with international standards. Ladder trays with 150 mm rung spacing are common, while trough and solid-bottom trays provide additional protection.

Material selection, coating type, and installation must follow NEMA VE-1 or IEC guidelines to ensure long-term performance in both indoor and outdoor environments.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Article Content

Cable Tray Technical Specifications | PDF | Galvanization ...

The document provides a technical data sheet for cable trays including ladder and perforated types. It lists specifications for material, thickness, dimensions, loading capacity, fittings and accessories.

GUIDE CABLE TRAYS TECHNICAL

Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian Electrical Code, Part I and the National Electrical Code®

ET EzyTray Cable Tray HDG

EzyTray is a sensible cable tray choice for all general purpose electrical cabling installations in both commercial and industrial environments. The tray offers support for cables with ladder style rungs.

Cable Tray Specifications and Sizes

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

12-SDMS-06

Cable tray sections, fittings and connected raceways shall be bonded properly using bonding jumper at both ends. The bonding jumper shall be bare copper conductor of 50 mm2 size and 400 mm long.

Product Specifications: CABLE TRAY

FDG CABLE TRAY ng; Power, Data, and Audio Visual. A quick and easy system to install without the need for specialised tools or equipment, makes it a first choice for Comm solution that works for your

Cable Trays – Wanco Electric Pte Ltd

Wanco Perforated Steel Cable Trays are constructed using the highest grade of Electro-Galvanised Sheet Steel for Epoxy Powder coating and high grade hot rolled steel for Hot Dipped Galvanised

Full cable tray systems specification document

The drawings which constitute a part of these specifications indicate the general route of the cable tray systems. Data presented on these drawings is as accurate as preliminary surveys and planning can

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Cable Tray Systems

They are suited to both inside and outside installation, normally being offered in either pre-galvanised steel, or hot dip galvanised after fabrication to AS4680:2006.

STANDARD PERFORATED CABLE TRAY

Coupler Plate Used to join two cable trays in a straight line, ensuring proper alignment and structural continuity.

Full cable tray systems specification document

B. Cable tray systems are defined to include, but are not limited to straight sections of [ladder type] [trough type] [solid bottom type] [channel type] cable trays, bends, tees, elbows, drop-outs, supports

CABLE TRAY SYSTEMS GUIDE

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between

Cable Tray Specifications and Sizes

The document specifies requirements for cable trays, including that they be fabricated from galvanized sheet steel in standard lengths and widths. It provides details on perforated and ladder cable tray

Atkore | Electrical Cable Management, Safety, & Infrastructure Solutions

Atkore manufactures electrical conduit, cable management, and infrastructure solutions that improve safety, efficiency, and performance across industries.

Wire Mesh Cable Trays Technical Information Detailed, Material ...

WIRE MESH CABLE TRAY Surface Finish: ♦ Electro zinc plated–for indoor use to BS EN 12329-2000, 12microns thick. ♦ Hot Dipped Galvanized–for outdoor use to BS EN 1461-1999, between 60 and 80

12-SDMS-06

Carbon steel cable trays intended for installation in corrosive or highly corrosive environments with severe alkaline and acidic conditions shall be hot-dip galvanized zinc after fabrication.

Cable Tray Specifications and Guidelines

Cable Tray Specifications and Guidelines This document provides general guidelines for cable trays and their installation. It discusses the different types of cable trays, including perforated

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Product Specifications: CABLE TRAY

FDG CABLE TRAY FDG Cable Tray is designed to continuously support cable systems including; Power, Data, and Audio Visual. A quick and easy system to install without the need for specialised

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved