

Article Overview

Double cable trays are versatile systems designed for organized cable management, available in multiple types, materials, and CAD models for industrial, commercial, and offshore applications.

Types of Double Cable Trays

Double cable trays come in several designs to suit different applications and cable protection needs:

- o Ladder Trays: Feature rungs like a ladder, ideal for heavy-duty applications and allowing excellent ventilation for heat dissipation .
- o Solid-Bottom Trays: Provide complete protection from dust and debris, suitable for sensitive cables .
- o Trough Trays: Combine features of ladder and solid-bottom trays, offering moderate protection and ventilation .
- o Wire Mesh Trays: Lightweight with excellent ventilation, suitable for environments where heat dissipation is critical .

Materials

Double cable trays are manufactured from materials that ensure durability and resistance to environmental factors:

- o Steel: Often galvanized or powder-coated for strength and corrosion resistance, suitable for heavy-duty and outdoor applications .
- o Aluminum: Lightweight and corrosion-resistant, ideal for indoor and offshore installations .
- o Fiberglass (FRP/GRP): Non-conductive and corrosion-resistant, suitable for chemical or marine environments .
- o Stainless Steel: Provides high strength and resistance to harsh environments, often used offshore or in industrial settings .

Features and Configurations

Double cable trays offer flexibility and ease of installation:

- o Customizable Layouts: Bends, tees, and risers allow complex routing .
- o Open or Perforated Designs: Facilitate heat dissipation and reduce the risk of overheating .
- o Slot Patterns: Enable efficient positioning of cables, tubing, and fixings .
- o Brackets and Fittings: Support compact and stable installation in various configurations .

Double cable tray models

CAD Models and Design Integration

For engineering and design purposes, double cable tray models are available in multiple CAD formats:

- o Supported Software: SOLIDWORKS, Inventor, Creo, CATIA, Solid Edge, AutoCAD, Revit .
- o File Formats: STEP, STL, IGES, DWG, DXF, and other neutral CAD formats .
- o BIM Integration: Many manufacturers provide Revit-compatible models for building information modeling .

Applications

Double cable trays are widely used in:

- o Industrial Facilities: For heavy-duty cable management and electrical distribution .
- o Commercial Buildings: Ensuring organized and safe routing of power and data cables .
- o Offshore and Marine Projects: Using corrosion-resistant materials like stainless steel or fiberglass .
- o Instrumentation and Control Systems: Supporting tubing and sensitive electrical cables . Double cable trays provide a reliable, flexible, and safe solution for managing complex cable networks, ensuring longevity, easy maintenance, and compliance with industry standards .

Eaton

Discover Legrand's Swifts Cable Tray, designed for efficient cable management with innovative, sustainable solutions for various

Free 3D CAD models for download Search now in more than 6000 3D CAD catalogues Mechanical engineering, architecture (BIM),

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

In the electrical wiring of buildings, a cable tray system is used to support insulated electrical cables used for power distribution,

Delivering engineered solutions in cable management ABB manufacturers a comprehensive range of cable tray systems and

Cable Trays CABLE TRAY Cable tray is a flexible, field-adaptable way to manage cables throughout your project. The tray itself

Available in simple and double versions, with perforations on one or three sides, these mounting cable tray

Double cable tray models

profiles allow flexible

Build a cable management system with Cablofil wire mesh cable tray, ladder cable tray, prefab assemblies for branch circuit wiring,

Discover all CAD files of the "Cable trays" category from Supplier-Certified Catalogs SOLIDWORKS, Inventor, Creo, CATIA, Solid

Swifts' cable tray the quick fit choice for flexibility. Available in four types, this strong, durable system has been designed with fast-fit

Our Cable Tray Systems and cable management trays offer high quality steel and galvanised steel solutions for the mechanical and

INTRODUCTION The B-Line series Cable Tray Manual was produced by our technical staff. We recognize the need for a complete

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

Explore EAE Electric's medium and heavy-duty cable tray systems designed for optimal cable management and durability in

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules

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