

Vertical Cable Tray Series Models



AI Overview

Vertical cable tray models include vertical elbows, inside and outside risers, reducers, and vertical tees, available in multiple heights, widths, and materials. Vertical Cable Tray Types and Fittings

1. Vertical Elbows – Used to change the elevation of cable runs while maintaining smooth cable routing. Available in standard angles (typically 45° and 90°) and compatible with straight tray sections.
2. Vertical Inside Risers – Allow cables to ascend or descend within a building or equipment rack. Heights commonly range from 50mm to 200mm, with widths from 100mm to 900mm depending on manufacturer specifications.
3. Vertical Outside Risers – Similar to inside risers but designed for external corners or transitions around obstacles. These are fabricated to match the width and height of the straight tray sections for seamless integration.
4. Vertical Tees and Crosses – Enable branching of vertical cable runs in multiple directions. Vertical tees connect three sections at 90° angles, while vertical crosses connect four sections.
5. Vertical Reducers – Used to connect vertical trays of different widths, maintaining proper cable support and alignment.
6. Covers and Accessories – Vertical trays can be fitted with solid or louvered covers for protection against dust, sunlight, and accidental contact. Accessories include splice plates, clamps, brackets, and hangers to facilitate installation.

Materials and Finishes

Materials: Prime quality sheet steel, stainless steel, or aluminum depending on load and environmental requirements.

Finishes: Electro powder coating, hot-dip galvanizing, bare galvanized, or painted finishes for corrosion protection.

Standard Dimensions

Length: 2440mm, 2500mm, 3000mm

Height: 50mm, 75mm, 85mm, 100mm, 120mm, 200mm

Width: 100mm, 150mm, 300mm, 450mm, 600mm, 750mm, 900mm

Notes on Selection

Vertical cable trays are designed to integrate with straight sections and horizontal fittings. Load class and support span should be considered to ensure mechanical stability. Modular systems allow mounting to floors, walls, ceiling...

Article Content

Series 1 to 5 Aluminum and Steel

We recommend that covers on vertical cable tray runs to a height of 6 ft. (1.83 m) to 8 ft. (2.44 m) above the floor to both isolate cables and personnel. Cover clamps are not included with the cover and

Cable management | Cable tray | Cable ladder rack | Eaton

The KwikRail cable tray system is ideal for commercial and data center cable management for 12A and 12B load classes. Its innovative design and

Cable trays

We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation. Our cable trays are produced in fit for purpose materials like stainless steel, galvanized, aluminium and

Ladder Trays | Cable Tray and Reels | Wire and Cable Management

Ladder Trays Ladder 3D Drawings Explore our full collection of Metallic Ladder 3D Drawings, including horizontal fittings, vertical fittings and metallic tray.

CableTray Book English

Aluminum cable tray Straight lengths — Tray bottom types: ladder, ventilated and solid trough Ladder Extra wide aluminum rungs are welded to extruded aluminum I-beam side rails. Every second rung is

Full NEMA cable tray and cable management catalog

All cable tray side rails, rungs and splice plates are numbered for material traceability. The corrosion resistance of steel varies widely with coating and alloy.

Series 1 to 5 Aluminum and Steel

Eaton's B-Line series cable tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, we offer this clamp

One-piece tray

Determine the tray series using the NEMA load/ span designations page A14, and sizing cable tray page A21. Select nominal depth and width of tray based on cable loading. See sizing cable tray page A21.

Product Catalogue Cable Management Solutions

Delivering engineered solutions in cable management ABB manufacturers a comprehensive range of cable tray systems and solutions including cable ladder, perforated tray, channel tray and metal

CableTray Book English

All calculations and data for AH1-8 series are based on cable tray with rungs spaced on 12" centers with tray supported as simple spans with deflection measured at the midpoint.

CATALOG Cable Tray Cable tray systems

Cable tray systems, including trays, supports, fittings and other materials, are generally less expensive than conduit wiring systems. In addition, major cost savings are generated by the relative ease of

B-Line series Cable Tray Design Considerations

By incorporating Eaton's support recommendations with straight sections, cable tray fittings, vertical adjustable splice plates and heavy duty expansion splice plates, B-Line series cable ladder solutions

Imperial cable tray system | NEMA cable tray

B-Line series imperial cable tray is designed to reduce support costs. Learn about our multiple-point welding system that results in unmatched strength and reliability.

GUIDE CABLE TRAYS TECHNICAL

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management, recommendations mentioned in this technical guide only apply to our

CableTray Book English

Tray covers are available for all widths of tray. They should be installed where falling objects may damage cables or where vertical tray run is accessible by pedestrian or vehicular traffic.

Cable trays

Need help selecting the right cable ladder or -tray for your project? We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation.

Resources for Cable tray and ladder systems

Our cable tray design considerations guide details key factors to consider when designing cable tray systems for industrial and commercial applications. Browse or download the cable tray catalog for

Vertical Cable Tray with Optional PDU Mount for Server

The VCT Series vertical cable trays provide a flexible solution for cable routing and support within server cabinets. Designed for compatibility across multiple cabinet

Full NEMA cable tray and cable management catalog

G material. Changing the part number from G to A or P will change the coding to black and reduce lead time. B-Line series Cable Tray Systems Eaton Fittings engineered with 3" tangents for splicing integrity.

Niedax Cable Tray

ICONS Cable Tray Finishes Alu Zinc & AISI 304 stainless steel AISI 316 stainless steel AISI 316 L Hot-Dip Galvanized Coated Height (H) 50 mm mm "W€w.niedax Items p N (Non-perforation) C

CABLE TRAY SYSTEMS GUIDE

Cable Tray Systems Guide HUBBELL Hubbell Wiring Device-Kellems and Hubbell Premise Wiring are divisions of Hubbell Incorporated, a U.S. headquartered manufacturer with over 130 years of

Horizontal & Vertical Cable Managers

Organize network infrastructure with CommScope Horizontal and Vertical Cable Management Kits. Sturdy aluminum structures, troughs, spools, and trays keep cables secure and concealed.

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