ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Cable Tray Corner Cable Models and Specifications



Overview

To view all the engineering data and drawings we offer, simply click the "B-Line Series CoSPEC specifier center" link above.

Key Takeaways

Cable tray corners are specialized fittings designed to change the direction of cable runs, available in various angles, materials, and load capacities to suit ladder, ventilated, and solid-bottom tray systems.Types of Cable Tray Corners
• Horizontal Corners (90° or 45°)
• Used to change the cable tray direction along the same plane.

• Available in inside and outside radius options to accommodate cable bending requirements.

• Commonly made from steel, aluminum, or stainless steel with finishes like pre-galvanized, powder-coated, or epoxy-coated for corrosion resistance .

• Vertical Corners (Risers or Drops)
• Allow cable trays to move upward or downward between different elevations.

• Typically fabricated from the same material as the main tray to maintain structural integrity.

• Designed to support the load class of the connected tray, ensuring safe cable support .

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

• Radius Corners
• Provide a smooth bend for sensitive cables, reducing stress and maintaining bend radius compliance.

• Often used in data centers or telecom rooms where fiber optic or high-voltage cables require gentle curves .

Specifications to Consider
• Material and Finish: Steel (16–14 gauge), aluminum, or stainless steel; finishes include gray, black, or galvanized .

• Load Class: Defines the maximum supported cable weight over a given span; critical for corner fittings to match the straight sections .

• Angle: Standard angles are 45° and 90°, but custom angles can be fabricated.

• Width and Depth: Must match the main tray dimensions (e.g., 6", 12", 18", 24" widths).

• Standards Compliance: UL 568, NEMA VE 1, ANSI/NFPA 70, ISO 1461, and CE marking for European compliance .
Available Models and CAD Resources
• Hubbell NEXTFRAME® Ladder Tray: Offers modular corner fittings for horizontal and vertical transitions, compatible with floors, walls, ceilings, and racks .

• ABB T&B Cabletray: Provides aluminum, pre-galvanized, and stainless steel corners with CAD/BIM files for Revit, AutoCAD, and SolidWorks .

• Eaton B-Line Series: Features metallic ladder and tray corners with downloadable 2D/3D CAD models and submittal tools for design integration .

• Legrand Cable Trays: Offers technical guides with corner specifications, including radius, material, and load ratings .
Design Tips
• Ensure corner radius meets the minimum bend radius of the cables to prevent damage.

• Match material and finish with the main tray for uniformity and corrosion protection.

• Use CAD/BIM models to verify fit and clearance in complex installations.

• Consider accessories like covers, splice plates, and support brackets for corner sections to maintain structural integrity and safety. By selecting the appropriate corner type, material, and load rating, cable tray systems can maintain safe, efficient, and code-compliant cable routing in industrial, commercial, and data center environments.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Article Content

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

CABLE TRAY SYSTEMS GUIDE

Hubbell''s NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers bundles of cable

Cablofil Cable Management | Legrand

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

Cable tray systems and supports / Cable management

To view all the engineering data and drawings we offer, simply click the "B-Line Series CoSPEC specifier center" link above. Need

Cable Tray and Reels | Wire and Cable Management

Fast installation with dependable support. Everything you need to build a cable management system,

Cablofil Cable Management | Legrand

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

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]

Wire Mesh Trays | Cable Tray and Reels | Cable Management

Legrand wire and cable management solutions including wire mesh trays, cable trays, and reels. Discover flexible, adaptable, cost

Cable tray manual

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

Steel cable tray

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

The flexible coupler provides easy installation without measuring and cutting cable tray side rails. Once installed, the coupler allows

B-Line series Cable Tray Design Considerations

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market

Cable Tray Design and Components Guide

This document provides information about cable trays and accessories, including straight cable trays, perforated trays, returned edge

Flextray wire mesh basket | Instrumentation and signal

Flextray wire mesh basket is ideal for commercial and data center cable management, providing a flexible

Cable Tray Systems

Our cable tray systems securely hold and protect cables and come in many models and sizes, solid bottom

Flextray wire basket section of NEMA cable tray

The FlextrayTM system is a flexible, field-adaptable way to manage cables throughout your project. The tray can be cut and bent to

Steel Radius Corner Tray Connector White PWBIB2WH

Specification About : • A Radius Corner Tray Connector is a type of cable tray accessory used to create smooth, curved turns at 90

Cable Tray and Reels | Wire and Cable Management

Fast installation with dependable support. Everything you need to build a cable management system,

Cablofil Cable Management | Legrand

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

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]

Wire Mesh Trays | Cable Tray and Reels | Cable Management

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Legrand wire and cable management solutions including wire mesh trays, cable trays, and reels. Discover flexible, adaptable, cost

Cable tray manual

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

Steel cable tray

The flexible coupler provides easy installation without measuring and cutting cable tray side rails. Once installed, the coupler allows

Complete cable tray manual for electrical engineers and designers

The final drawings for a cable tray wiring system may be completed and sent out for bid or construction more quickly

Cable Tray Technical Guide A practical guide to product selection

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a

Cable Management Solutions

ABB manufacturers a comprehensive range of cable tray systems and solutions including cable ladder, perforated tray, channel tray

Section 16135

1.1 SUMMARY Work covered under this section consists of the furnishing of all necessary labor, supervision, materials, equipment,

B-Line series Cable Tray Design Considerations

As an industry leader in cable tray, Eaton offers one of the widest ranges of cable management solutions available in the market

Cable Tray Design and Components Guide

This document provides information about cable trays and accessories, including straight cable trays, perforated trays, returned edge

Flextray wire mesh basket | Instrumentation and signal cable tray | Eaton

Flextray wire mesh basket is ideal for commercial and data center cable management, providing a flexible means of adapting your

Cable Tray Systems

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Our cable tray systems securely hold and protect cables and come in many models and sizes, solid bottom and ventilated.

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

CABLE TRAY SYSTEMS GUIDE

Hubbell''s NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers bundles of cable

Cablofil Cable Management | Legrand

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

Cable tray systems and supports / Cable management

To view all the engineering data and drawings we offer, simply click the "B-Line Series CoSPEC specifier center" link above. Need

WBT RADIUSCRNSPL4 :: Performance Cable Tray

The nVent CADDY WBT Performance Cable Tray Radius Corner Splice provides a soft 90-degree with a

Full NEMA cable tray and cable management catalog

Steel cable trays are fabricated from continuous roll-formed structural quality steel. By roll-forming steel, the mechanical properties

Download cable tray datasheet

Download our most requested cable tray datasheets featuring complete technical specifications. Each datasheet includes detailed

Zonon 4 Pcs Wire Mesh Cable Tray Corner Bar L Type Cable Tray

L-shaped corner bars can connect 2 wire mesh cable trays together to form a "t" or cross-shaped structure, thereby keeping the wire

Cable Management Solutions

T&B Cable Tray offers cable tray systems fabricated from corrosion-resistant steel, stainless steel and aluminum alloys along with

GUIDE CABLE TRAYS TECHNICAL

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

When fitting cable trays and their accessories, the products are cut on site to create changes of direction, adjust sections, etc.

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

CABLE TRAY SYSTEMS GUIDE

Hubbell''s NEXTFRAME® Ladder Tray is the effective and widely used cable runway that supports and delivers bundles of cable

Cablofil Cable Management | Legrand

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

Cable tray systems and supports / Cable management

To view all the engineering data and drawings we offer, simply click the "B-Line Series CoSPEC specifier center" link above. Need

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

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

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved