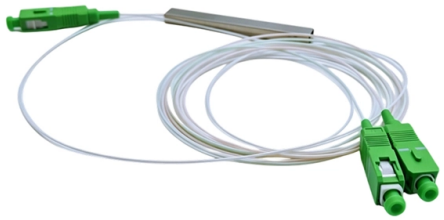
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Tray-type fireproof cable tray models and specifications



Overview

A practical specification guide for choosing fire resistant cable tray systems in commercial and industrial electrical projects.

Key Takeaways

Tray-type fireproof cable trays are specialized systems designed to protect electrical cables from fire, with models such as Cablofil FP, FireMaster®, and Prysmian FP series, offering fire resistance from 30 to 90 minutes under standardized testing.Common Models and Systems
• Cablofil Fireproof Cable Trays: Designed for low and high voltage cables, these basket-type trays meet stringent fire safety requirements using the DIN 4102-12 standard, tested at temperatures up to 1000°C for 30, 60, and 90 minutes. They are widely used in construction, power, oil, gas, petrochemical, rail, and utilities industries. Accessories like Ellis Patents Phoenix Cable Cleats are recommended to maintain tray integrity during fire events .

• FireMaster® Cable Tray Wraps: These are insulated wraps for instrument control cables, providing 30-minute hydrocarbon fire protection. The wrap consists of FireMaster® Marine Plus blanket fully encapsulated in aluminum foil, secured with steel banding straps at 150 mm centers. Overlaps of 50–75 mm are used at joints, and additional weather protection can be added with corrugated aluminum sheeting. The system is FM Approved and tested according to ASTM E1725-95 and ASTM E1529 hydrocarbon fire curves .

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

• Prysmian FP400 and FP600 / Draka Firetuf: These cables are compatible with fireproof tray systems like Cablofil, providing enhanced fire resistance for both low and high voltage applications .

Specifications and Features

• Materials: Typically high-strength steel, stainless steel, or aluminum, often with protective coatings or wraps for fire resistance .

• Tray Types: Basket trays, solid-bottom trays, ventilated trays, and channel trays are available depending on cable type and heat dissipation requirements .

• Fire Ratings: Fireproof trays are tested for 30, 60, and 90 minutes under standardized fire conditions. Ratings may vary by standard (DIN, UL, ASTM) and application (hydrocarbon vs. general fire), .

• Dimensions: Widths and depths vary; for example, FireMaster® wraps can accommodate trays up to 1220 mm wide, with banding straps spaced at 150 mm centers .

• Installation: Includes secure banding, mesh lining to prevent slumping, and proper overlap at joints. Firestop accessories like 3M moldable putty or pillows may be used for wall penetrations .

Standards and Compliance

• DIN 4102-12: German standard for fire-resistant cable trays, used by Cablofil .

• ASTM E1725-95 / ASTM E1529: Hydrocarbon fire testing for FireMaster® wraps .

• UL/FM Approvals: Many fireproof trays and wraps are UL Listed or FM Approved, ensuring compliance with international fire safety standards .

Summary

Tray-type fireproof cable trays are essential for protecting electrical and control cables in high-risk environments. Cablofil, FireMaster®, and Prysmian FP series are leading solutions, offering tested fire resistance, robust materials, and standardized installation methods. Selection depends on cable type, fire rating requirements, environmental conditions, and applicable standards. Accessories like cleats, banding straps, and firestop putty ensure proper installation and maintain fire integrity.

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

Article Content

Fire Resistant Cable Tray: Specification Guide for Safer Electrical Routes

A practical specification guide for choosing fire resistant cable tray systems in commercial and industrial electrical projects.

Fire Resistant Cable Tray

Designed to meet demanding industrial and commercial requirements, our fire-rated cable tray system

Fireproof Cable Tray for Industrial Cable Protection and Fire Safety

What is the difference between a fire rated cable tray and a standard cable tray? A fire rated cable tray includes fire-resistant

Fire Resistant Cable Tray for Industrial & Commercial

Fire resistant cable tray built for high-safety cable routing in industrial and

Firestop

3M Fire Barrier Moldable Putty+ is a one-part, halogen-free product designed to firestop electrical outlet boxes and a wide variety of

Fire resistant cable tray | Hermi-solutions

Cable trays are intended for the construction of fire-resistant cable paths with surface cable laying. Cable

Resources for Cable tray and ladder systems

Download submittals for B-Line series NEMA type cable ladder and tray Eaton''s submittal builder tool for B-Line series cable ladder

LEGRAND CABLE TRAYS TECHNICAL GUIDE

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management,

Cable tray manual

Where a cable tray wiring system containing Type TC cables will be exposed to any significant amount of hot metal splatter from

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

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

IEC 61537:2023 | IEC

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into groups. This

Firestop

The following charts give the number of 3M pillows needed to completely firestop an opening that cable tray passes through.* Two

Technical Guidelines for Cable Tray Installation and

6. Fireproofing Measures for Cable Trays 6.1 Material Requirements Fire-resistant trays must be made

One-piece tray Selection guide

Technical specifications All calculations and data are based on 36 in. wide cable trays with tray supported as simple spans with

Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Fire Rated Cable Trays that are crafted from premium materials like stainless steel, galvanized steel, tempered glass, and fire

FIRE RESISTANT PROOF CABLE TRAY, DIN STANDARD E90 ...

Cablofil fire resistant and fire proof cable trays are increasingly specified in the construction, power, oil, gas, petrochem, rail and

FRP Cable tray

Ferrotech GRP FRP cable trays are manufactured for a comprehensive array of cable management requirements. Created from

Cable Tray Systems

Durable and reliable cable tray systems providing premium performance in commercial and industrial applications, available in a

Fire Resistance Testing of Cable Trays: Key Standards & Methods

Are Your Cable Trays Fireproof? Here''s How to Find Out When a fire breaks

Cable Tray Dimensions and Specifications as per NEC

Many electrical systems employ cable trays. They route cables safely & efficiently. NEC defines minimum cable tray

Fireproof Cable Tray Enclosures: Keep Cabling Systems Safe

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

Sinisi Solutions works with major utilities and clients to design cable enclosures that protect critical cabling and cable tray setups

Cable Tray Specification Overview

This document provides a general specification for cable trays for an electrical project. It outlines technical requirements, codes and

Download Cable Tray Resources | ApexTray Official Site

Visit our Download Center to access ''Download Cable Tray'' resources, including detailed manuals, CAD

Fire-Resistant Cable Trays in High-Risk Environments

Explore the importance of fire-resistant cable trays in high-risk environments. Learn about the best materials and

Cable Tray Specification Guide | Types, Materials, Sizes

Understanding Cable Tray Types This section delves into the various configurations available for supporting and organizing electrical

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.

Resources for Cable tray and ladder systems

Download submittals for B-Line series NEMA type cable ladder and tray Eaton''s submittal builder tool for B-Line series cable ladder

LEGRAND CABLE TRAYS TECHNICAL GUIDE

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management,

Cable tray manual

Where a cable tray wiring system containing Type TC cables will be exposed to any significant amount of hot metal splatter from

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

IEC 61537:2023 | IEC

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

Where necessary, cable tray systems and cable ladder systems can be used for the arrangement of cables into groups. This

Firestop

The following charts give the number of 3M pillows needed to completely firestop an opening that cable tray passes through.* Two

Swifts cable tray | Legrand United Kingdom

Swifts cable tray | ! The distinctive slot pattern on Swifts cable tray provides installers with total flexibility. Available in four depths, this

Types of Cable Typically Used in Cable Tray

Types of Cable Typically Used in Cable Tray The purpose of a cable tray system is to support, route, and protect cable as part of the

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

Tray & TC Cable

Belden''s full portfolio of Tray and TC Cable options keeps your operations going no matter the environment. TC Tray Cables are

Technical Guidelines for Cable Tray Installation and

6. Fireproofing Measures for Cable Trays 6.1 Material Requirements Fire-resistant trays must be made

One-piece tray Selection guide

Technical specifications All calculations and data are based on 36 in. wide cable trays with tray supported as simple spans with

Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Fire Rated Cable Trays that are crafted from premium materials like stainless steel, galvanized steel, tempered glass, and fire

FIRE RESISTANT PROOF CABLE TRAY, DIN STANDARD E90 ...

Cablofil fire resistant and fire proof cable trays are increasingly specified in the construction, power, oil, gas, petrochem, rail and

Fire Resistant Cable Tray: Specification Guide for Safer Electrical Routes

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

A practical specification guide for choosing fire resistant cable tray systems in commercial and industrial electrical projects.

Fire Resistant Cable Tray

Designed to meet demanding industrial and commercial requirements, our fire-rated cable tray system

Fireproof Cable Tray for Industrial Cable Protection and Fire Safety

What is the difference between a fire rated cable tray and a standard cable tray? A fire rated cable tray includes fire-resistant

Fire Resistant Cable Tray for Industrial & Commercial

Fire resistant cable tray built for high-safety cable routing in industrial and

Firestop

3M Fire Barrier Moldable Putty+ is a one-part, halogen-free product designed to firestop electrical outlet boxes and a wide variety of

Fire resistant cable tray | Hermi-solutions

Cable trays are intended for the construction of fire-resistant cable paths with surface cable laying. Cable

26 05 36 Cable Trays for Electrical Systems

Description: This product category covers metal cable trays and metal cable tray systems intended for field assembly and for use in

GUIDE CABLE TRAYS TECHNICAL

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

Cable Tray Systems Catalog

Please click the appropriate link below to view the catalog section as a PDF.

Fire Rated Cable Tray, Heavy-Duty Cable Tray Manufacturer

Fire Rated Cable Trays are built to boost flame retardancy while fitting into tight ceiling spaces. Offering a sleek, clean finish for

Fire Resistant Cable Tray: Specification Guide for Safer Electrical Routes

A practical specification guide for choosing fire resistant cable tray systems in commercial and industrial electrical projects.

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

Fire Resistant Cable Tray

Designed to meet demanding industrial and commercial requirements, our fire-rated cable tray system

Fireproof Cable Tray for Industrial Cable Protection and Fire Safety

What is the difference between a fire rated cable tray and a standard cable tray? A fire rated cable tray includes fire-resistant

Fire Resistant Cable Tray for Industrial & Commercial

Fire resistant cable tray built for high-safety cable routing in industrial and

Firestop

3M Fire Barrier Moldable Putty+ is a one-part, halogen-free product designed to firestop electrical outlet boxes and a wide variety of

Fire resistant cable tray | Hermi-solutions

Cable trays are intended for the construction of fire-resistant cable paths with surface cable laying. Cable

26 05 36 Cable Trays for Electrical Systems

Description: This product category covers metal cable trays and metal cable tray systems intended for field assembly and for use in

Related Video Reference

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

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

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