ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Fireproof trough for optical cables



Overview

Fireproof trough type cable trays are specifically designed to enhance fire safety in electrical distribution systems.

Key Takeaways

Fireproof cable troughs like PROtrough, CANISOL, and System Cable Tube provide safe, fire-resistant routing for optical cables, with fire ratings up to 2 hours and compliance with European standards.PROtrough – Lightweight Fire Retardant Trough

PROtrough is a GRP (glass-reinforced plastic) cable management system designed for rail, station, and tunneling projects. It is lightweight (under 20 kg), modular, and fire retardant, meeting major rail fire safety specifications for tunnels and stations . Key features include:

• Compliance with European fire retardancy and thermal standards

• Modular design for easy installation and single-person handling

• One-click interlocking cover and sliding mechanism

• Optimized sidewall strength to minimize flex when backfilled

• Natural water runoff design to prevent ice build-up

• Suitable for electrical substations and complex installations
CANISOL – Passive Fire Protection

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CANISOL cable trough protection is a fire-resistant system made from plaster, glass fibre, and vermiculite, with a thickness of 45 mm . It provides:

• 2-hour fire resistance for electrical cables and piping

• Smokeproof protection against combustion gases

• Preformed units up to 650 mm, with on-site assembly for larger dimensions

• Use in both new and existing electrical installations

• Installation by qualified teams or assisted external staff

System Cable Tube – Fireproof Cable Box

System Cable Tube is a fireproof cable box made of two pipe half-shells with a click lock and inner fire protection fabric . It is suitable for:

• Fire sealing of electrical cables, conduits, and HVAC split lines

• Fire resistance up to 120 minutes (EI 120) according to EN 13501-2

• Easy installation with dedicated sealing plugs and fire protection filler (FLAMMOTECT-A)

Considerations for Optical Cable Installations

When selecting a fireproof trough for optical cables:

• Ensure the system meets the required fire rating for your project (e.g., 2 hours for CANISOL, 120 minutes for System Cable Tube)

• Consider weight and modularity for ease of installation, especially in tunnels or substations

• Check compatibility with cable diameters and multiple services, using dividers if needed

• Evaluate accessibility and maintenance, including removable covers or interlocking systems These fireproof trough systems provide a combination of fire safety, durability, and practical installation, making them suitable for industrial, rail, and high-risk electrical environments.

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Article Content

Heavy-Duty Galvanized Trough Cable Tray with

The Qitian Heavy-Duty Galvanized Trough Cable Tray has a fireproof

Heavy-Duty Galvanized Trough Cable Tray with

Made from durable materials that are built to last, this cable tray offers

Technical Guidelines for Cable Tray Installation and

Cable tray installation must comply with specific technical standards to ensure electrical safety, system

Trough Type Fireproof Cable Tray

Our trough type fireproof cable tray is designed for fire safety critical applications. Constructed from high-quality steel with a special

quality Fireproof Trough Type Cable Tray-Guangdong Tianlai Steel ...

Fireproof trough type cable trays are specifically designed to enhance fire safety in electrical distribution systems. The tray surface is

Industrial Fireproof PVC Orange Solid Through Cable Tray for ...

Our company is a professional manufacturer specializing in the design, production and sales of cable trays. The cable trays include:

FRP Cable Tray Ladder Trough Type Bridge Fireproof Flame

FRP Cable Tray Ladder Trough Type Bridge Fireproof Flame Retardant Trough Large Span Optical Cable Fireproof Trough

CPR Optical Cables | Fire-Resistant | OPTRAL

CPR fire-resistant optical cables with Euroclass Dca, Cca, and B2ca classifications. Safety and performance for critical applications.

Optical Cable Tray | Fiber Guide | Ducting | Raceway

Optical Cable Tray for Data Center Aisle Containment Model:Optical Cable Tray Optical cable tray is a

Fire Rated Cable Encasements: Invicta Durasteel

Our 4-hour fire rated cable encasements provide comprehensive fire and blast protection, shielding cables from fire and containing

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Fire Resistant Central Loose Tube Fiber Optic Cables

Fire Resistant Central Loose Tube Fiber Optic Cables APPLICATION These cables are characterized by light weight and small

Lifeline® Fire Rated Cable Systems | Prysmian

Lifeline cables are flame-retardant and possess low smoke and low toxicity properties, aligning with the

Cable trough protection

The gutter supports are protected by casing of the same material. CANISOL cable trough protection is used in existing electrical

Fiberguide®

FiberGuide - fiber management systems from CommScope® offer the greatest breadth of optical raceway

Fire Resistant Optic Fiber Cables|Fireproof Cables

The cables may be armoured or braided, with or without metallic screen, depending on different applications. INTERNATIONAL

Fiber Optic Indoor Cables

These indoor fiber optic cables are used exclusively within buildings and must have a flame-retardant cable jacket to fit this purpose.

Fire Resistant Tight Buffered Distribution Fiber Optic cables|Fireproof ...

The cables may be armoured or braided, with or without metallic screen, depending on different applications. INTERNATIONAL

Cable troughs for managing fiber optic cables

Cable troughs for managing fiber optic cables Abstract The present disclosure relates generally to a cable management system

AF_UnifiedCat_Interior_PRINT

Our Fiber Trough design utilizes high strength steel components to provide the strength and durability required to manage fiber optic

NDH-FX fire -resistant cable trough box

The fire-resistant semi-enclosed trough box produced by our company can withstand flame exposure, and the temperature inside the

Bridge Cable Troughs

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Bridge Cable Trough Iron Trough Fireproof Spray Bridge Galvanized Bridge Factory Make Cable Rack. Durable, customizable, and

Fire resistant optic fibre cable_V4

THE APAR ADVANTAGE APAR''s Fire Resistant (Fire Survival) Fibre Optic cables offers excellent protection in the event of fire

Fire protection for cables & cable trays | Flamro

Fire protection solutions to protect cables, cable trays and cable systems. Discover our tested cable

Firestopping cable openings helps safeguard buildings and occupants

Using approved firestop methods and materials, such as special caulk, putty, wrap strips or fire-barrier sheets, can

Fiber Raceway System | Cable Management

The easy design, easy to configure, easy to install cable management system provides a dedicated path for critical network cabling.

PROtrough

Discover PROtrough: The modern alternative to traditional concrete cable trough systems for rail, light rail, and power markets.

Cable Passthrough System | Complete Fire Protection Ltd

Introduction The Fireplug Cable Passthrough System is a bespoke transit system for temporary cables, designed to maintain fire

CPR Optical Cables | Fire-Resistant | OPTRAL

CPR fire-resistant optical cables with Euroclass Dca, Cca, and B2ca classifications. Safety and performance for critical applications.

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FieldSmart Fiber Crossover Distribution System Troughs

Clearfield offers three types of troughs for fiber management: Slack Management, Crossover, and Active Gear Troughs, each

Fireproof Cable Tray 200*100 Metal Wire and Cable Trough Type

Fireproof Cable Tray 200*100 Metal Wire and Cable Trough Type Sprayed Plastic Fireproof and Flame Retardant Fireproof Cable

quality Fireproof Trough Type Cable Tray-Guangdong Tianlai Steel ...

Fireproof trough type cable tray is a fully enclosed cable management system designed to provide superior protection for electrical

Cable Trough | Safe & Secure Cable Protection

High stability concrete or composite cable trough systems for secure protection of cables and utilities within

Fiberguide®

FiberGuide - fiber management systems from CommScope® offer the greatest breadth of optical raceway products in the industry.

Fire Resistant Optic Fiber Cables|Fireproof Cables

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Firestop

Use this product in new construction or update your fire protection in a renovation - the optional mounting bracket opens easily

Pass Through Devices

For new or existing cable applications, EZ-Path is the easy-to-install solution for penetrating fire-rated walls and floors. This low

Optical Cable Tray Factory China Outlet Trough Type

Good fireproof performance: fireproof cable tray is made of fireproof material, which can maintain stability

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

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