

Thickness of fireproof cable trays in Egypt



Overview

At Square EIC, we provide high-quality, heavy-duty cable tray systems designed to support, route, and protect electrical power, data, and control cables.

Key Takeaways

Fireproof cable trays in Egypt typically use steel or aluminum with thicknesses ranging from 1.2 mm to 3 mm, depending on load, type, and fire-resistance requirements.

Material and Thickness Considerations

Fireproof cable trays are generally made from galvanized steel, stainless steel, or aluminum, which provide structural strength and fire resistance. The thickness of the tray material is a key factor in ensuring both mechanical support and fire protection:

- Perforated or solid steel trays: 1.5 mm to 3 mm
- Cable ladders (heavy-duty): 2 mm to 3 mm
- Aluminum trays: 1.2 mm to 2.5 mm
- PVC-coated or fire-retardant trays: 1.5 mm to 2 mm

The exact thickness depends on the tray type, span between supports, and the total cable load.

Heavier cable loads or longer unsupported spans require thicker steel to maintain structural integrity during a fire.



Fireproofing Standards

In Egypt, fireproof cable trays are often designed to comply with international standards such as IEC 61537 for cable tray systems and NFPA 70 (NEC) for fire safety. Fireproof trays may include: Galvanized steel with high-temperature coatings, Stainless steel (SS 304 or SS 316) for corrosive or high-temperature environments, Fire-resistant covers to protect cables from direct flame exposure. Local Manufacturers: Several Egyptian companies supply fireproof cable trays with customizable thicknesses: Rovana Trade: Offers galvanized and stainless steel trays with heavy-duty options. Metal Tech (MT Tray): Produces perforated and ladder trays with high load capacity and fire-resistant coatings. MetalEgypt: Provides a range of cable trays suitable for industrial and commercial projects, including fireproof options. Recommendations: For industrial or high-load applications, use 2-3 mm galvanized steel trays with fireproof coatings.

For light commercial installations, 1.5-2 mm trays may suffice. Always verify span, load, and fire rating with the manufacturer to ensure compliance with Egyptian and international fire safety standards.

By selecting the appropriate material, thickness, and fireproofing, cable trays in Egypt can provide both structural support and enhanced safety for electrical installations.

Article Content

Cable Trays – Square

At Square EIC, we provide high-quality, heavy-duty cable tray systems designed to support, route, and protect electrical power, data, and control cables. Our systems ensure organized cable management,

Cable tray | MetalEgypt

By preventing cable tangling and allowing easy access for maintenance and upgrades, cable trays enhance safety and minimize the risk of electrical fires. Request specifications or a customized

EGY Tray Catalogue | PDF

This also applies to the untreated cut edges, since the cathodic protection between steel and Zinc acts there, provided that a sheet thickness of 2 mm is not exceeded. EGY Tray ensures that this limit is not

egytrayelsewedy – egytrayelsewedy

Since our inception, we have specialized in the design and fabrication of Cable Trays, Ladders, and Support Systems, offering an end-to-end solution for power and low-voltage cable routing in

Cable Trays - EIG

About Cable Trays Cable Trays are offered in a comprehensive range in Galvanization, Material and Types our factories.

Fire resistant cable tray | Hermi-solutions

Cable trays are intended for the construction of fire-resistant cable paths with surface cable laying. Cable paths are constructed as standard or lightweight

CABLE TRAY CABLE LADDER CABLE TRUNK

Cable tray systems offer unsurpassed reliability, resulting in less need for maintenance and less down time—important considerations for all installations but especially for such industries as data

Rovana Trade

With a fully equipped factory and expert team, we deliver durable, customized, and reliable solutions for electrical and industrial infrastructure across Egypt and the Middle East.

Cable Tray Manufacturer In Egypt | Metal Store

Product thicknesses range from 1.0 mm to 3.0 mm, depending on customer requirements. Thanks to our in-house Hot-Dip Galvanization and Electrostatic

Fireproof pillow for cable tray penetrations

AF BAGS are intumescent and ablative fireproof pillows certified under EN 1366-3 for EI 120/180 sealing of cable tray penetrations.

What are the fireproof characteristics of cable trays?

Only the fire-proof and flame-retardant principle of cables and fire-resistant coatings are on fire. At present, fire-resistant cable racks are mainly based on national inspection standards for

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Galvanized Cable Tray

Manufacturer of a wide range of products which include Wall Mounted Or Floor Mounted Galvanised Cable Tray For Easy Installation Hdg Tray, Extrusion Craft Indoor Galvanized Cable Tray Wall

Comprehensive Analysis of Cable Trays Raw Material

Characteristics of Cable Trays Raw Material Product Structure Determines Material Standards Cable trays must meet stringent standards to ensure their mechanical and durability

Cable Trays

Cable Trays The company supplies cable trays of all kinds and sizes. -Perforated Cable Tray -Solid-Bottom Cable Tray -Ladder Cable Tray - Wire Mesh Cable

INTRODUCTION

EGYTARY is connected with the different cable support systems, particularly cable trays and cable ladders. In addition to its policy objectives.

Best 14 Cable Tray Companies in Egypt | Egypt Yellow

These trays ensure safe and efficient distribution of power, data, and communication cables, preventing tangling and damage while providing a secure pathway for

Cable Trays In Egypt

Top Cable Trays Manufacturers in Egypt Tired of messy wires causing headaches? Brilltech Engineers Pvt. Ltd. brings the Cable Trays in Egypt just for you! We, one of the well-known Cable Trays

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