Italian Hollow Cable Tray Specifications



Overview

Schiavetti Tekno is the production unit dedicated to standard and tailor-made cable trays and accessories.

Key Takeaways

Italian hollow cable trays are available in various types, materials, and sizes, designed to meet European and international standards for industrial and civil installations.

Materials and Finishes

Italian manufacturers produce hollow cable trays in hot-dip galvanized steel, stainless steel, Sendzimir zinc-coated steel, and aluminum, with some companies offering fiberglass-reinforced polyester (GRP) for specialized applications. These materials ensure corrosion resistance, mechanical strength, and long-term durability, suitable for demanding environments such as oil & gas, chemical, and food industries.

Types of Hollow Cable Trays

Hollow cable trays, often referred to as solid-bottom or closed trays, are designed to fully enclose cables, providing protection from dust, moisture, and mechanical damage. Italian manufacturers offer: Closed-bottom trays (FC type): Ideal for environments requiring complete cable isolation. Perforated trays (PS and AR series): Provide ventilation and reduce weight while maintaining structural integrity.

Ladder trays: Suitable for medium to large cables with high load requirements. Mesh trays: Lightweight, flexible, and allow easy cable routing and ventilation.

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Dimensions and Customization

Standard widths range from 100 mm to 600 mm or more, with lengths typically around 3 meters, though custom sizes are available to meet specific project requirements. Manufacturers provide custom thicknesses, lengths, and joint designs to accommodate thermal expansion, load capacity, and installation constraints.

Load Capacity and Installation Features

Italian hollow cable trays are engineered for high load-bearing capacity, with joints and supports designed to handle thermal expansion and maintain electrical continuity. Grounding holes and copper bonding jumpers are included to ensure safe electrical continuity. Accessories such as brackets, supports, and fasteners are available for flexible installation layouts.

Standards and Certifications

Products comply with European (EN) and international (UL) standards, with CE marking and third-party certifications (IMQ, LCIE, UL) ensuring quality, safety, and regulatory compliance. Manufacturers also provide full documentation, testing, and after-sales support for industrial projects.

Applications

Hollow cable trays are widely used in industrial plants, infrastructure projects, energy facilities, and large civil installations, offering protection, organization, and efficient cable management in environments where mechanical protection and isolation are critical. Italian manufacturers such as Schiavetti Tekno (Spina Group), FEMI-CZ, and Sitie provide both standard and fully customized hollow cable tray solutions, ensuring compatibility with Unistrut systems and other modular supports.

Article Content

Cable Trays

Our cable ladder systems are available in Hot-Dip Galvanised (HDG) and stainless steel, with optional aluminium ladder trays for lightweight or corrosion-sensitive

Cable Tray Systems

Our lean but well-organized production plant allows us to be extremely flexible and able to customize lots even of small dimensions, meeting the client''s needs where they have to comply with stringent

Standard metal electrical cable trunking

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Here below the metres of cable trays and covers for each package/ bundle are shown. Standard metal electrical cable trunking for distributing, protecting and supporting electrical cables for civil, service

We Produce

Schiavetti Tekno is the production unit dedicated to standard and tailor-made cable trays and accessories. Schiavetti Tekno products are available with UL certification and built according to

Schiavetti Tekno Cable Tray Systems

Since 1964, Schiavetti Tekno has been the Italian leader in the manufacture of electric cable tray systems and relevant accessories.

FEMI-CZ high-performance metal cable trunking

The standard cable trays of the FEMI 3 (FEMI-CZ) and CC / CF (Steel Line CMS) series are the ideal means for the distribution and protection of cables in civil and industrial plants.

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous impro-vement policy, Legrand reserves the right to change the specifications and illus-trations without notice. All illustrations, descriptions and technical information

Cable Tray In Italy, Cable Tray Manufacturers Suppliers Italy

Our Cable Tray is the perfect product for all sectors because it is available in various sizes, shapes, and colors. We have a manufacturing facility on-site with modern equipment and advanced technology for

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

Product Specifications: CABLE TRAY

FDG CABLE TRAY FDG Cable Tray is designed to continuously support cable systems including; Power, Data, and Audio Visual. A quick and easy system to install without the need for specialised

Cable Tray Technical Guide A practical guide to product selection and ...

Cable Tray Technical Guide A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray

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CABLE TRAY SYSTEMS GUIDE

CONCENTRATED STATIC LOADS: Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be

PDF document

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Cable Tray Specifications and Accessories

Cable Tray Specifications and Accessories This document provides specifications for perforated and solid cable tray systems including: - Straight sections that come in various heights, bottom types,

Cable tray

ABB designs and manufactures cable tray systems, including perforated tray, cable ladder, channel tray and strut (metal framing).

Wire Mesh Cable Trays Technical Information Detailed, Material ...

Wire Mesh Cable Tray Installation Notice: Bends, Risers, T Junctions, Crosses and Reducers can be made from wire mesh cable tray straight sections flexibly in projects. Trays shall be supported at a

LEGRAND CABLE TRAYS TECHNICAL GUIDE

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

Top 5 Cable Tray Manufacturers in Italia

Discover the top cable tray manufacturers in Italia, offering innovative, durable, and high-quality cable management solutions for industrial and commercial applications.

Related Video Reference

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

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