

Article Overview

Circular cable trays in Lebanon can be installed using locally available wiremesh, solid, or perforated trays with flexible support systems, complying with international standards for safety and efficiency.

Types of Cable Trays Available

In Lebanon, suppliers like Legrand and SFSP offer a variety of cable trays suitable for circular or curved installations:

- o Wiremesh Cable Trays (Cablofil): Highly flexible, 90% open structure for airflow, easy visual inspection, and minimal dust retention. Quick-fixing systems like Faslock auto allow on-site bends without special tools, ideal for circular routing .
- o Solid or Perforated Sheet Metal Trays (P31 range): Available with convex and concave risers, 15°/30°/45°/90° bends, adjustable bends, and T-junctions. These trays provide high mechanical strength and fire resistance (E30/E90 certified) for curved installations .
- o Basket Tray Systems: High-strength welded steel wires, continuous airflow, and fast connections with minimal tools, suitable for circular layouts .

Support and Accessories

Proper support is essential for circular cable tray installation:

- o Wall brackets, suspension brackets, hangers, Strut rails, trapeze mounting systems, and ceiling brackets are available to maintain stability and alignment .
- o Automatic couplers and interlocking systems simplify alignment and junction stability for curved sections .
- o Accessories like end pieces, vertical junctions, and T-junctions allow smooth transitions in circular or curved paths.

Installation Guidelines

- o Planning the Route: Determine the circular path and radius, considering cable bend radius and load capacity.
- o Selecting Tray Type: Choose wiremesh for flexibility and ventilation, or solid/perforated trays for heavy-duty or fire-rated applications.
- o Mounting Supports: Install brackets or hangers at recommended intervals (per manufacturer guidelines) to prevent sagging.
- o Bending and Joining: Use pre-fabricated bends or on-site adjustable bends; interlocking systems or Faslock auto can simplify connections.
- o Cable Laying: Lay cables evenly, avoiding sharp bends, and maintain spacing for airflow and heat

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dissipation.

- o Compliance: Ensure installation meets IEC 61537, NEMA, BS EN standards, and local electrical codes .

Material and Finish Options

- o Pre-Galvanized, Hot-Dip Galvanized, Stainless Steel (304L/316L), Aluminium for corrosion resistance and durability .

- o Surface treatments and finishes are selected based on indoor, outdoor, or offshore environments.

Local Suppliers in Lebanon

- o Legrand Lebanon: Offers Cablofil wiremesh and P31 solid/perforated trays with full accessory range .

- o SFSP Lebanon: Provides basket trays, cable ladders, trunkings, and support systems with compliance to international standards .

- o Liban Cables (Nexans): Supplies compatible cables for tray installations .

By selecting the appropriate tray type, support system, and accessories, circular cable trays can be installed efficiently in Lebanon, ensuring safety, compliance, and long-term reliability.

Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span),

The 90% open structure of the cable trays makes it easier to visually inspect and maintain the cables,

Cable ladder and cable tray systems The following recommendations are intended to be a practical guide to ensure

Discover efficient methods for installing cable trays to organize power, data, and security

We manufacture a wide range of products capable of providing the characteristics which respond to the proposed application, along

General information of Kiraç Metal Cable Trays and installation guide are arranged in accordance with IEC 61537 standards and this

How to design cable tray? Most projects are roughly defined at the start of cable tray design. For projects that are not

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SFSP wire Basket Trays have a fast connection profile for installations requiring long runs of straight Cable Trays lengths.

SFSP Lebanon Specialized Factory for Steel Products is a leading factory in Lebanon, established in the year 2011 to serve the steel

The patented safety edge (T-joint system which is kinder to the hands) and special mechanical design of

It outlines procedures for storage and shifting of materials, pre-installation work, installation of cable trunking, equipment and tool

Cable trays support cables across open spans in the same way that roadway bridges support traffic. Cable trays can provide a safe

The Engineering Galaxy - Engalaxy Full guide of cable tray installation and sizing - Part 1

Cable trays, electric Lebanon (28) Clamps, fasteners, for cables Lebanon (2) Clamps, power line cable and wire Lebanon (1)

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

This document provides procedures for installing cable trays according to international standards. It describes inspecting and storing

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