

Article Overview

Stainless steel mesh cable trays, also known as wire mesh or basket trays, provide strong, corrosion-resistant, and ventilated support for electrical and data cables.

Overview

Stainless steel mesh cable trays are open-structured systems made from welded stainless steel wires, forming a basket-like tray that supports and organizes cables. They are widely used in data centers, industrial plants, and commercial buildings due to their durability, corrosion resistance, and excellent ventilation, which prevents cable overheating .

Common Types

o Wire Mesh Cable Trays (SS Basket Trays)

- o Constructed from stainless steel wires welded into a grid or basket shape.
- o Provides maximum airflow, keeping cables cool and extending their lifespan.
- o Allows easy access for adding or removing cables without dismantling the tray.
- o Lightweight yet strong, reducing the need for heavy support structures.
- o Typically made from 304 or 316 stainless steel, suitable for harsh environments .

o Perforated Stainless Steel Cable Trays

- o Feature small holes or slots throughout the tray.
- o Ideal for power and control cables where heat dissipation is important.
- o Lightweight and strong, preventing cable overheating while providing structural support.
- o Commonly used in manufacturing plants and commercial installations .

o Custom Wire Mesh Trays

- o Designed with wire diameters of 3.5-6 mm and customizable widths, heights, and lengths.
- o Can be bent or cut to accommodate curves, slopes, and tees.
- o Suitable for complex cable runs and installations without paneled ceilings.
- o Optional covers are available for additional protection against dust and debris .

Advantages

- o Corrosion Resistance: Stainless steel resists rust, moisture, and chemicals, making it suitable for indoor and outdoor use.
- o Ventilation: Open mesh design allows natural airflow, preventing heat buildup.
- o Flexibility: Easy to install, modify, or expand cable runs.



Recommended Stainless Steel Mesh Cable Trays

- o Durability: Strong construction supports heavy cable loads while remaining lightweight.
- o Aesthetic Appeal: Clean, organized appearance for commercial and industrial spaces .

Applications

- o Data centers and telecom facilities
 - o Industrial plants and manufacturing units
 - o High-rise commercial buildings
 - o Outdoor installations exposed to moisture or chemicals
- Stainless steel mesh cable trays are a versatile and reliable solution for modern cable management, combining strength, flexibility, and long-term performance in demanding environments .

Wire Mesh Cable Tray The E-Line TLS series Wire Mesh Cable Tray systems allow easy cable exit

Kable Kontrol's high-quality stainless steel cable tray straight sections and accessories are the ideal solution for your cable

Learn how to choose the best cable tray system for your needs. Explore types, materials,

Choosing a stainless steel cable tray provides durable, corrosion-resistant organization for network, AV, fiber optics,

SS Wire Mesh Cable Tray When it comes to efficient and secure cable management MadeWithLess delivers superior stainless steel

Stainless steel Cable trays made of stainless steel as well as hot-dip-galvanised or electro-galvanised

Our stainless steel cable trays are produced in a standard range of sizes. We stock sizes which are primarily aimed at electrical

Discover Marlin Steel's wire mesh cable trays for data centers and other mission-critical applications,

Learn how stainless steel wire mesh cable trays improve cable management with corrosion

These stainless steel wire mesh cable trays suspend cables and ensure that your important wires and cables are safely organized

Corrosion-Resistant Stainless Steel Formable Cable Trays and Fittings The most corrosion-resistant tray



Recommended Stainless Steel Mesh Cable Trays

systems we offer 29 products

Wire Mesh Cable Tray Material: Q235B Steel (Chinese standard steel), SS304, SS316 & SS316L Surface Finish: Electro zinc plated-

Introduction Stainless Steel (SS) Wire Mesh Cable Trays are an essential component in

Our mesh cable trays are available in galvanised, stainless steel, or electro-zinc finishes, providing high resistance to corrosion and

Stainless Steel Cable Tray - Tray, Perforated, Ladder & Wire Mesh Types Stainless steel, the most durable

Legrand wire and cable management solutions including wire mesh trays, cable trays, and reels. Discover flexible, adaptable, cost

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