

Article Overview

Anti-static cable trays and flooring solutions provide ESD protection, anti-tracking performance, and RoHS compliance for sensitive industrial and electronics environments.

Key Features

Material and ESD Protection: Anti-static cable trays are typically made from galvanized steel, stainless steel (304 or 316), or conductive polymers. They are designed to safely dissipate static charges, with surface resistance usually ranging from 10^4 to 10^9 ohms, ensuring protection for sensitive electronics and preventing electrostatic discharge (ESD) incidents . **Anti-tracking properties** prevent electrical tracking across the tray surface, enhancing safety in high-voltage or high-humidity environments. **RoHS Compliance:** Many anti-static cable trays and flooring systems are RoHS compliant, meaning they are free from hazardous substances such as lead, mercury, and cadmium, aligning with environmental and safety regulations . **Tray Types and Installation:** Available tray types include ladder, perforated, solid-bottom, and wire mesh, with modular and customizable designs for complex installations. Walkable floor trunking systems, such as those from PFLITSCH, offer high load-bearing capacity, slip resistance (R10 according to DIN 51130), and easy installation, making them suitable for industrial floors and automated production areas . Access flooring systems like ACT/FloorFlex allow trays to be installed just below finished floors for easy access and maintenance . **Standards and Compliance:** Ensure trays meet international ESD standards such as IEC 61340 or ANSI/ESD S20.20, as well as electrical safety codes (NEC, IEC) and fire safety ratings (e.g., UL94). Flooring solutions, such as Tarkett static dissipative or conductive vinyl and linoleum, are designed for high-traffic areas and sensitive environments like computer rooms or operating theatres . **Performance Considerations:** Evaluate load capacity, corrosion resistance, impact strength, and expected lifespan under environmental conditions like humidity, temperature, and chemical exposure. Modular systems reduce installation time and allow for future cable changes without major disruption . **Cost and Quality:** While advanced anti-static trays may have higher upfront costs, they offer long-term savings through reduced maintenance, minimized ESD-related downtime, and durability. Prioritize suppliers with ISO 9001 certification, material traceability, and validated ESD performance .

Summary

For sensitive industrial or electronics environments, choose anti-static, anti-tracking cable trays that are RoHS compliant, meet ESD standards, and offer modular, durable, and walkable designs. Consider material type, surface resistance, load capacity, and installation flexibility to ensure safety, compliance, and long-term operational efficiency.



Anti-static flooring cable trays anti-tracking RoHS compliant

Elsepack custom plastic Anti Static Tray and offer other conductive options. Get Free Datasheet and Guide. More specific

Discover our selection of static control and dissipative flooring solutions that increase safety in sensitive environments, operating

Cable Trays and Accessories are designed to meet most requirements of cable and electrical wire

The Floor Anti-slip Cable Tray is a high-precision, industrial-grade cable management solution designed for

Electrostatic discharge (ESD) floors are floors installed with ESD flooring systems to protect electronics

Shop DigiKey's large in-stock selection of Anti-Static, ESD, Clean Room Products. View inventory, pricing and order now for same

Shielden, as a trusted cable tray supplier, offers a wide range of cable tray systems to meet your needs.

ESD flooring is essential for environments where static discharge could harm electronic devices, people

ACL Staticide™; Conductive Trays provide protection for static sensitive electronic components during

You're working with delicate electronics, and one static discharge can ruin your project in seconds. If you've ever

ESD Matrix Trays: Safeguard your components from electro-static discharge with RH Murphy Co's anti-static solutions. Protect,

Standard static-dissipative tiles are on the lower end; conductive or cleanroom-rated systems may exceed $>100/\text{m}^2$. Quotes include

The Floor Trunking enables orderly and safe installation of power and data cables, even in complex plant layouts. It also meets the

Antistatic Flooring Specialists supplies and installs static-control flooring for factories, laboratories, cleanrooms, server rooms, and

Choose from our selection of floor cable trays, including multichannel interlocking cable ramps, drop-over interlocking cable ramps,



Anti-static flooring cable trays anti-tracking RoHS compliant

Static control grounding mats are designed to help eliminate static electricity when they are properly connected to ground. They are

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