



Learn What Type of Cable Tray Your Industry Requires

Introduction

The cable can be found all over the place in any given industry or manufacturing facility. Most industries have a huge number of tangled loose cables strewn in the vicinity. These cable wires may be power equipment or communication channels used in the industry. They need to be managed and secured well to prevent incidents of short circuits and fire. For this having a cable management system in place is a necessity. **Cable tray** systems offered by [cable tray manufacturers](#) are effective cable management systems used in the industry. They are efficient to support systems that can support electrical cables used for power distribution or communication. These cable trays are the ideal solution for managing large quantities of cables overhead or under-floor. Cable trays come in varied size designs and accessories depending on the requirement. They are also manufactured by cable tray manufacturers in various materials such as steel, aluminum, or other materials. Covering more on this let learn about the different types of cable tray systems available for various industrial needs.



Types of Cable tray

Ladder

Ladder cable trays widely used up to nearly 75 percent of the cable tray wiring system installations. It is a very popular and in-demand cable tray type due to its many features. It facilitates good ventilation to wires and effectively dissipates heat. These types of cable trays are generally used in applications with intermediate to long support spans.

Perforated Cable Tray

[Perforated Cable Tray](#) is solid bottom trays that are used to support delicate cables such as power cables, control cables. They come in light, medium & heavy-duty designs depending on the industry's need and client requirement. A solid bottom perforated cable tray is generally used for applications that generate minimum heat for applications such as electrical or telecommunication.

Wire Mesh

Wire mesh or basket **cable trays** are generally used for telecommunication and fiber optic applications. They are cable tray systems installed for a short support span. They are typically used for a low-voltage wiring station or application. They are ideal solutions for routing and supporting numerous cable runs. They offer a wired frame that facilitates air circulation and cable ventilation.

Trough

Troughs are [cable trays systems](#) that are used for applications with moderate heat generating capabilities. They offer a short to intermediate support span and provide moderate ventilation. They further provide added cable support frequency and common support for every 4 inches. [Cable trays](#) are designed to address the electrical cable distribution around the industry or within the manufacturing facility. It is important that as an industry looking for cable tray systems consider the cable configurations within cable trays. Further, understanding the nature of the environment and the ambient temperature is also critical. Explore options and consult with **cable tray manufacturers** to understand what really suits your environment and industry requirements. All of these mentioned parameters are crucial when selecting the right **cable tray systems**.