Cable frame type



Overview

MCT The system consists of a frame, rubber blocks and a compression unit. The frame is welded or bolted to a marine structure and packed with rubber blocks.

Key Takeaways

Cable frames are structural frameworks made from tensioned cables or wires, available in various designs and materials for furniture or networking applications.

Furniture Cable Frames

Cable frames in furniture are modern frameworks constructed from tensioned metal cables or wires, often combined with wood or metal supports. They are valued for their minimalist aesthetic, structural integrity, and versatility. Common types include: Parallel Horizontal Cable Frames: Cables stretched between arms for balanced support and subtle flexibility.

Ideal for living rooms and minimalist interiors.

Reclined Low-

Profile Frames: Cushions positioned close to the floor, emphasizing sleek lines and a grounded look. Suitable for lofts and lounge areas. Tightly Woven Cable Mesh Frames: Encased between foam layers, offering firm yet comfortable support.

Best for offices, restaurants, and high-traffic public spaces.

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Shaped Cable Frames: Provide enhanced lateral and rear support for oversized cushions. Common in family rooms, hotel lounges, and hospitality settings. Widely Spaced Cable Frames: Light, breathable structures emphasizing visual airiness.

Ideal for outdoor patios, poolside seating, and healthcare waiting areas. Adjustable Cable Frames: Incorporate mechanisms to modify backrest angles for customizable comfort. Suitable for home offices, media rooms, and therapeutic environments.

Materials influence durability and aesthetics: Metal Frames: Stainless steel (rust-resistant), aluminum (lightweight and corrosion-resistant), wrought iron (classic and strong). Low maintenance, long-lasting, and suitable for indoor or outdoor use with proper cushioning. Wooden Frames: Premium hardwoods like oak, offering durability and a traditional or rustic appearance.

Networking Cable Frames

In networking, cable frames or racks are used to organize and support Ethernet or fiber optic cables. They provide structured pathways for cabling in data centers, offices, and telecom environments. Key points include: Material: Typically metal for strength and durability.

Design: Open or enclosed racks to allow airflow and easy maintenance. Applications: Support switches, routers, patch panels, and fiber modules, ensuring organized and efficient cable management.

Summary

Cable frames, whether for furniture or networking, are designed to combine functionality with structural support. Furniture cable frames focus on comfort, aesthetics, and adaptability, while networking cable frames prioritize organization, accessibility, and protection of cables. Choosing the right type depends on the intended use, environment, and material preferences.

Article Content

KEL | Centrally split cable entry frames

The classic KEL is a centrally split cable entry system for routing cables with connectors, providing an IP54 / up to UL Type 12 rating. The slit KT grommet matching the cable diameter is placed around

Multi cable transit system

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Fire BarrierEnvironmental and Water Ingress ProtectionHazardous LocationsVapor-Tight BarrierEarthing, Bonding and EMCCable Retention and Pull ForceRodent and Insect BarrierBlast-Rated StructuresVibration and Noise DampingCable TerminationsWith the increase of modular building packages for substations, control centers and analyzer buildings, Roxtec MCT devices are becoming common in designs with cables entering through the floor directly below electrical equipment. In these cases, the Roxtec MCT frame is welded or bolted to the floor at strategic locations for cable termination of th...See more on roxtec CommScope

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CommScope offers a variety of easy-to-install frames, racks and cabinets specially engineered for network equipment and fiber cable management.

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The cable entry frames also act as strain relief on the cable (acc. to EN 62444). The split cable entry system allows for quick and easy assembly, making it ideal for

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Seal cable penetrations with our modular firestop solutions, designed to create water-, smoke- and gas-tight barriers in energy and industry projects both

Roxtec Cable Sealing Frame Sizes

This document provides information on Roxtec cable sealing frames, including: 1) G-type and S-type frames that are suitable for bolting, welding, or casting into walls and bulkheads.

The complete range of MCT Brattberg products

Frames for land-based installations MCT Brattberg has frames for both casting into the structure (RGB frame), and mounting in lightweight wall constructions (RGG frame).

MCT Brattberg Cable Transits On Land catalog

The welded corners are rounded for added strength. Both single and multiple transits frames are available. The dimensions of the various frames have become the industry standard simply because

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Distribution frame

Distribution frame Unshielded twisted pair (copper) and optical fiber distribution frame An optical fiber distribution frame In telecommunications, a distribution

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Answering the frequently asked question: what are the cable types and what determines their construction. With a multitude of different types of electrical cables used in a variety of sectors,

KEL | Centrally split cable entry frames

KEL | Centrally split cable entry frames for cables with connectors / IP54 / UL Type 12 The classic KEL is a centrally split cable entry system for routing cables with connectors, providing an IP54 / up to UL

Types of Cables : Working & Their Applications

Generally, electrical cables & wires are considered as same but they are somewhat different. A wire is designed with a single electrical conductor whereas an electrical cable is designed with several wires

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