Dedicated track for distribution boxes



Overview

With minimal parts, push-fit assembly and a complementary range of floor boxes and grommets, this flexible, easy to install system can be reconfigured as office layouts evolve.

Key Takeaways

Dedicated track systems provide flexible, safe, and modular solutions for distributing power and data to floor or overhead distribution boxes in commercial and industrial environments.

Underfloor Power Track Systems

Underfloor tracks are designed to integrate with raised or cavity floors, offering easy access to power and data at workstations or equipment locations. Systems like Legrand Electrak Powertrack and MK Electric Raised Floor Systems feature push-fit or snap-fast assembly, minimal parts, and compatibility with floorboxes and grommets, allowing reconfiguration as office layouts evolve. These tracks support Cat 6 and 7 compliance, strain relief for plugs, and robust load-bearing capabilities, making them suitable for high-traffic areas such as classrooms or offices.

Burland Connect Under Floor Track provides colour-coded tracks for standard, clean earth, dual circuit, and three-phase power. Track lengths range from 1. 2m to 3.

6m, with attachable feet for secure installation in floor voids as low as 60mm. Tap-off units are available in 3m and 5m lengths, fully compliant with BS7671 and tested to BS EN 61534 standards. End feeds allow easier connection and termination of SWA cables, and integrated couplers reduce installation time and costs.

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Overhead Busway Systems

For data centers or industrial applications, overhead track-style busways like Eaton's PowerWave 2 provide a continuous, configurable channel for power distribution. These systems include intelligent end-feeds for high-speed monitoring, branch circuit metering, and integration with building management systems. They are scalable for expansions and support real-time insights into power usage, making them ideal for facilities with high-density equipment or multi-tenant environments.

Key Features to Consider

Modularity and Flexibility: Tracks can be reconfigured or extended to accommodate changing layouts. Safety Compliance: Colour-coded tracks, ASTA certification, and adherence to wiring regulations ensure safe installation. Load Capacity: Designed to handle heavy use, with some systems rated for 5,000N or higher.

Ease of Installation: Snap-fit joints, integrated couplers, and self-leveling frames reduce installation time. Integration with Floorboxes: Compatible with standard, dual, or three-phase tap-offs, and support for data and USB connections.

Conclusion

Dedicated track systems, whether underfloor or overhead, provide a robust, flexible, and compliant solution for distributing power and data to multiple points. Choosing the right system depends on the environment, load requirements, and whether the installation is underfloor, raised floor, or overhead. Systems like Legrand Electrak, MK Electric, Burland Connect, and Eaton PowerWave 2 offer a range of options to meet these needs.

Article Content

Electrak powertrack | Legrand United Kingdom

With minimal parts, push-fit assembly and a complementary range of floor boxes and grommets, this flexible, easy to install system can be reconfigured as office layouts evolve.

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Legrand powertrack / underfloor busbar system

Feed units are provided with one or two 25 mm diameter holes suitable for MICC, armoured cables or single core cables in conduit Track lengths connect together and to feed units using the integral

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What Is a Distribution Box?

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Yes. “Dis boxes” is a commonly used industry term referring to railway signalling connection boxes installed trackside. What are dis boxes used for in rail

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