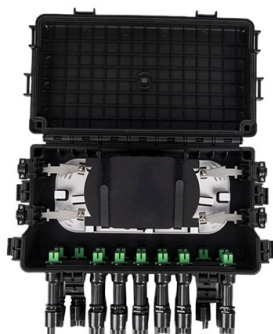


RIVO MULTITRADE OPTICAL SYSTEMS

What level of distribution box does the floor distribution box belong to



Overview

The difference between the first, second, and third levels of. Secondary distribution box: distribution boxes for each floor or building (according to actu.

Key Takeaways

A floor distribution box typically corresponds to a tertiary (third-level) distribution box. Distribution Levels Overview

Electrical distribution systems are generally organized into three levels:

- Primary (first-level) distribution: The outgoing line from the low-voltage side of a transformer goes to the main distribution cabinet. This level is not intended for direct use by electrical equipment and contains isolation switches, circuit breakers, and leakage protectors .
- Secondary (second-level) distribution: This level distributes power to individual buildings or large units. It usually contains large three-phase circuit breakers and handles three-phase electricity for power equipment .
- Tertiary (third-level) distribution: This is the final distribution stage, delivering mains electricity (typically 220V) to individual units or appliances. It contains single-phase circuit breakers and leakage protection switches, and it is the level where electrical devices are directly connected .

Floor Distribution Box Characteristics

A floor-mounted distribution box is installed directly on the ground and is designed to handle heavier loads and larger wiring systems compared to wall-mounted boxes. These boxes are commonly used in industrial plants, large commercial buildings, and data centers. They provide space for components such as transformers, circuit breakers, and meters, and are often made from durable metals like stainless steel or powder-coated steel . Because floor distribution boxes are typically the final junction point before electricity reaches equipment or appliances, they function as tertiary distribution boxes, providing the last stage of protection and control in the distribution system .

Installation Considerations

- Floor-mounted boxes require a stable surface and often include a base plate or support legs for secure placement .
- They are suitable for high-capacity, complex electrical systems where durability and accessibility are important.
- Unlike wall-mounted boxes, they do not need to be elevated, but they may include modular designs, cooling vents, and locking systems for safety and maintenance . In summary, a floor distribution box is generally a third-level (tertiary) distribution box, serving as the final distribution point for electrical power to equipment or appliances, with built-in protection and control devices.

Article Content

Floor Distribution Box

Fibernet FTTH Floor distribution box designed to be install on each level of a multi-dwelling unit building for fiber to the home

Main Distribution Box

The Main Distribution Box-Cable floor (MDB-CF) is the heart of the Global IFS Cable Floor Modular Wiring System. It provides power

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

