

What is used to represent the outgoing wires from the distribution box



Article Overview

The outgoing wires from a distribution box are commonly called outgoing circuits, outgoing feeders, or outgoing terminals.

In a distribution box, also known as a distribution board or electrical panel, the main power supply is received and then distributed to multiple circuits that supply electricity to different loads . The wires that carry power from the distribution box to these loads are referred to as outgoing circuits or feeders. These outgoing wires are typically connected to individual circuit breakers or protective devices, such as MCBs (Miniature Circuit Breakers), MCCBs (Molded Case Circuit Breakers), or RCCBs (Residual Current Circuit Breakers), which provide overload and short-circuit protection . Outgoing terminals are the specific connection points inside the distribution box where these wires are attached, ensuring a safe and stable electrical connection to the external load circuits . Each outgoing circuit is usually independently protected, allowing for safe isolation and maintenance without affecting other circuits. In larger installations, such as commercial or industrial setups, outgoing feeders may supply power to equipment like motors, pumps, lighting systems, or sub-distribution boards, and their capacity can range from tens to hundreds of amperes depending on the load requirements . Overall, these outgoing wires are essential for distributing electricity safely and efficiently from the central distribution point to all connected devices and circuits in a building or facility .



Article Content

What Is an Electrical Distribution Box? A Complete Guide

An electrical distribution box routes power, prevents overloads, and keeps wiring organised—essential for safe, efficient home and

Decoding the Symbols: A Guide to Electric Wiring Diagrams

When designing electrical wiring diagrams, various symbols are used to represent different types of electrical conductors and wires.

Electrical Power distribution panel: diagram, working principle.

1 - Power Distribution Panel: Power distribution panel is used for utilization of equipment. Power supply is received from LT panel

How to Wire a Home Distribution Box

How to Wire a Home Distribution Box - Step-by-Step | Distribution DB box wiring diagram Welcome to our channel! In this video, we'll

Understanding the Use of Terminals and Connectors in Electrical

In an electrical switchboard, terminals and connectors serve as the critical interface points where incoming and outgoing wires and

How to Identify the Line and Load in Electrical Wiring

The Load terminals, marked "LOAD," are reserved for wires extending protection to downstream receptacles and are frequently

How Does a Power Distribution Box Work

Learn how a power distribution box works step by step—from incoming power to circuit protection and smart monitoring—for safe,

Line vs. Load Wiring: What's the Difference?

In electrical systems, "line" and "load" wires play crucial roles by connecting devices within a circuit. Line wires deliver

Symbols for Electrical Construction Drawings

This publication describes graphic symbols used to represent electrical wiring and equipment on construction drawings. In this

Electrical Distribution Box Diagrams

This document provides a list of components in an electrical distribution box with their names and associated wiring diagrams. It

Symbols for Wires, Cables, Lines and Their Connections

Symbols for Wires, Cables, Lines and Their Connections This table with symbols for wires, cables, lines and their connections was

What is a DB Box? Types, Wiring, Selection Guide

Learn everything about DB box (distribution box): what they are, how they work, wiring diagrams, types, and how to choose the right

Electrical Schematic Symbols With Explanation at a Glance

Single line or online electrical diagrams uses these schematic symbols to indicate the paths and components of an electrical circuit.

Distribution Box Wiring Steps

Wiring Direction: Wiring between the main circuit breaker and each branch circuit breaker in the box generally goes on

Distribution Box

A distribution box, also known as a junction box or distribution point, is a enclosure or housing used to distribute electrical or

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