

External cable type for distribution box



Article Overview

The external cable of a distribution box connects the incoming power source to the box and distributes electricity to other units, requiring proper gauge, protection, and installation for safety and compliance.

Purpose and Function

The external cable serves as the main conduit for electrical power entering the distribution box and for connecting the box to other devices or circuits. It ensures that electricity is safely routed to multiple circuits while protecting wiring and components from overcurrent or short-circuiting .

Cable Specifications

- Maximum cable cross-section: Typically up to 10 mm² for connections inside the service area .
- Gauge requirements: The cable connecting the distribution box to another unit should be at least the same gauge as the incoming cable to handle the current safely .
- External protection: If the distribution box is connected to another unit, an external fuse is required before the box to prevent damage from overcurrent .

Installation and Safety

- Only qualified personnel should perform work inside the service area, especially for high-voltage installations .
- Always switch off power before connecting or disconnecting cables .

Article Content

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