

How to connect a large cable to a distribution box



Article Overview

To connect a large cable to a distribution box safely, use appropriately sized terminal lugs, ensure proper stripping and crimping, and follow correct wiring and grounding procedures.

Step-by-Step Guide

1. Safety First Always turn off the main power supply before starting any work to prevent electrical shock. Wear insulated gloves and use tools rated for high-voltage work . 2. Prepare the Cable

- Strip the insulation from the end of the cable to expose the conductor. Ensure the exposed length is appropriate—not too long or too short—to avoid poor contact or short circuits .

- For very large cables, consider using a tap conductor or reducing lug if the distribution block cannot accommodate the full cable size directly . 3. Use Terminal Lugs

- Select a terminal lug that matches the cable gauge and the distribution block terminal size.

- Crimp the lug securely onto the cable using a hydraulic or mechanical crimping tool to ensure a tight, conductive connection . 4. Connect to the Distribution Box

- Attach the lugged cable to the main terminal of the distribution box. Ensure phase wires go to phase terminals, neutral to neutral, and ground to ground .

- Tighten the terminal screws firmly to prevent loose connections, which can cause...

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9) The wood brick and iron parts needed for the installation of the distribution board need to be buried in advance, and the exposed

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Cabling refers to low-voltage cables that bring phone, TV, and internet service into your home. They are commonly

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