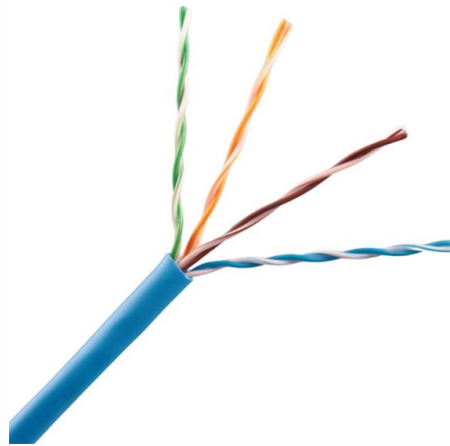


How to install a coverless household electrical distribution box



AI Overview

Installing a coverless household electrical distribution box requires careful site preparation, secure mounting, proper wiring, and strict adherence to safety standards to prevent electrical hazards.

Site Preparation and Placement

Choose a dry, ventilated, and accessible location away from water, flammable materials, and corrosive substances. Ensure the box is at a convenient height (typically around 1.5 meters for residential use) and allows enough space for wiring, maintenance, and heat dissipation. For outdoor installations, consider a waterproof enclosure or additional protective measures even if the box is coverless.

Tools and Materials

Prepare essential tools such as a screwdriver, wire stripper, multimeter, and insulation resistance tester. Ensure all wires, terminal blocks, and fasteners meet electrical specifications. Operators should wear insulating gloves, safety glasses, and slip-resistant shoes to prevent accidents.

Mounting the Box

Secure the box to a stable surface using expansion bolts or screws, ensuring it is level and firmly fixed. Avoid tilting or loosening, as a coverless box exposes internal components, increasing the risk of accidental contact.

Wiring and Connections



Article Content

The installation requirements for the distribution box

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