

How to run the conduit to the distribution box



Summary of Content

Running conduit through a distribution box requires selecting the correct knockout, installing the proper connector, preparing the conduit, and securing it to ensure safety and code compliance.

Step 1: Select and Prepare the Knockout

Identify the knockout on the distribution box that aligns with your conduit path. Remove the knockout carefully using pliers, a screwdriver, or a hammer. Inspect the edges to ensure they are free of burrs or sharp fragments that could damage the wiring insulation. For nonmetallic boxes, ensure the opening is compatible with the conduit type.

Step 2: Install the Connector

Insert the threaded end of the connector into the knockout from the outside of the box. Inside the box, thread on a locknut or compression ring and tighten it firmly using pliers or a locknut wrench. This ensures a secure mechanical and electrical connection, which is critical for grounding in metal boxes. For PVC conduit, use a male adapter and secure it with PVC cement to form a waterproof seal.

Step 3: Prepare the Conduit

Measure and cut the conduit to the required length using a tubing cutter or hacksaw. Deburr the cut ends to remove sharp edges that could damage conductor insulation. For metal conduit, reaming the inside edge is recommended. For PVC, smooth the edges and apply PVC cement to the fitting before insertion.

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In this electrical conduit guide, I'm gonna walk you through different conduit types, their uses, and share some handy

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