

Wire Cutting Pliers for Distribution Box

Article Overview

Insulated diagonal cutters or multifunction electrician pliers are ideal for safely cutting wires in distribution boxes.

Recommended Types of Pliers

1. Insulated Diagonal Cutters Diagonal cutters, such as the Knipex 70 07 160, are specifically designed for precise wire cutting in tight spaces like distribution boxes. They feature long, sharp cutting edges that allow accurate cutting of fine stranded wires and copper cables up to O 4.0 mm. These cutters are VDE-tested and insulated according to IEC 60900 standards, providing protection against accidental contact with live circuits. The hardened vanadium steel construction ensures durability and long-lasting precision . 2. Electrician's Installation Pliers Multifunction installation pliers combine cutting, stripping, and crimping in a single tool. They are particularly useful for electricians working on distribution boxes because they reduce the need to switch tools frequently. Insulated handles protect against electrical shock when working near live parts. Examples include Wiha TriCut and 8in1 pliers, which are compact, efficient, and suitable for mobile service jobs . 3. Wire Strippers with Cutting Function Some wire strippers, like the WGGE WG-014, include integrated cutting capabilities. These tools can strip insulation from wires (AWG 10-24) and cut them cleanly, making them convenient for distribution box wiring where space is limited .

Key Features to Consider

- o Insulation: Always choose pliers with VDE-certified insulation when working near live circuits.
- o Cutting Capacity: Ensure the pliers can handle the wire gauge you commonly work with (e.g., up to 4 mm for copper wires).
- o Precision: Fine, sharp cutting edges are essential for clean cuts in confined spaces.
- o Multifunctionality: Tools that combine cutting, stripping, and crimping save time and reduce tool clutter.
- o Ergonomics: Comfortable handles reduce hand fatigue during repetitive tasks.

Conclusion

For distribution box work, insulated diagonal cutters are excellent for precise wire cutting, while multifunction electrician pliers provide versatility for cutting, stripping, and crimping. Wire strippers with integrated cutters are also useful for smaller gauge wires. Prioritize VDE-certified insulation and appropriate cutting capacity to ensure safety and efficiency .

Wire cutting and stripping can be time-consuming, so it's important to use heavy duty pliers designed for the



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Even the cutting of cable and single conductors before or after dismantling and stripping is possible using the Knipex 13 46 165

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Good wire strippers cleanly remove the jacket from wire, as well as cut, crimp, and prepare wires for use in various

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