

Special cutting pliers for distribution boxes



Overview

Multifunctional PVC Trunking Cutter, Plastic Wiring Duct Scissors. Product Description
Multifunctional PVC Trunking Cutter, Plastic Wiring Duct Scissors.

Key Takeaways

Special cutting pliers for distribution boxes include multi-function installation pliers, high-leverage diagonal cutters, and plastic enclosure notching pliers designed for precision, safety, and confined spaces.

Multi-Function Installation Pliers

Tools like the TriCut Professional Electric Pliers combine diagonal cutting, stripping, and skinning functions in one tool, making them ideal for working in tight spaces such as distribution boxes. The angled plier head allows precise cable stripping and skinning along the cable length, reducing the need for excessive force. These pliers are suitable for soft and hard wires, including NYM lines, and are tested to IEC 60900 standards, allowing safe work on live parts up to 1,000 V AC. Ergonomic handles with soft and hard zones prevent slipping and reduce hand fatigue.

High-Leverage Diagonal Cutters



Brands like KNIPEX offer high-leverage diagonal cutters that can cut thick or hardened wires with minimal effort . Tools such as the TwinForce® double-joint cutters amplify hand force up to 39 times, enabling clean cuts of wires up to 4 mm thick. These cutters are made from wear-resistant chrome vanadium steel, ensuring durability and precision. They are particularly useful for cutting stranded wires, solid wires, and unusual materials in electrical installations.

Plastic Enclosure Notching Pliers

For modifying plastic distribution boxes, tools like the CONQUER 10mm Plastic Enclosure Notching Pliers provide clean, burr-free cuts without cracking the plastic . These pliers are designed for surface-mounted junction boxes, wire ducts, and baseboard raceways, allowing side-cable entry. The spring-loaded, ergonomic handles reduce hand fatigue during repetitive cutting tasks, making them suitable for professional electricians and DIYers alike.

Additional Considerations

When working in distribution boxes, it is important to also have wire strippers, needle-nose pliers, and lineman's pliers for handling wires safely . Ergonomic design, insulation for electrical safety, and the ability to work in confined spaces are key factors when selecting cutting pliers. Multi-function tools reduce the number of separate tools needed, while specialized pliers for plastic or high-leverage cutting ensure precision and efficiency.

By choosing the right combination of multi-function, high-leverage, and plastic-specific pliers, electricians can safely and efficiently manage wiring and modifications in distribution boxes.

Article Content

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Electrician Distribution Box

Amazon : Specialty Pliers

Rizom 5-Piece Long Needle Nose Pliers Set, 11" Long Reach Bent Nose Pliers | 90° & 45° Curved Needle Nose Pliers, Circle Nose

Special Pliers | Diagonal Cutter | KNIPEX

In addition to special pliers, there are also many spare parts available that counteract premature tool wear. It is often the case that

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Guide to Cutting Pliers: Types, Uses & Safety Tips

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