



## Klein-Kurve™ Wire Strippers/Cutters

### Dual NM Cable Stripper/Cutters

Includes core Klein-Kurve™ features plus:

- Cat. No. K1412 has 12/2 and 14/ stripping slots to quickly remove the outer jacket of Type NM-B nonmetallic sheathed cable and strips, cuts and loops 12 and 14 AWG solid wires
- Cat. No. K1412CAN removes outer jacket of Canadian NMD-90 Romex® Cable and strips, cuts and loops 14 and 16 AWG stranded wires
- Narrow nose fits into tight places



K1412

Cat. No.	Strips and Cuts	Screw Shearing	Overall Length	Handle Color	Weight
K1412	NM-B Cable 12/2 and 14/2; 12 and 14 AWG Solid (2.5 mm <sup>2</sup> and 1.5 mm <sup>2</sup> ); 14 and 16 AWG Stranded (1.5 mm <sup>2</sup> and 1.0 mm <sup>2</sup> )	6-32 & 8-32	7-3/4" (196.9 mm)	Yellow/White	0.41 lb (0.19 kg)
K1412CAN	NMD-90 Cable 12/2 and 14/2; 12 and 14 AWG Solid (2.5 mm <sup>2</sup> and 1.5 mm <sup>2</sup> ), 14 and 16 AWG Stranded (1.5 mm <sup>2</sup> and 1.0 mm <sup>2</sup> )	6-32 & 8-32	7-3/4" (196.9 mm)	Yellow/White	0.41 lb (0.19 kg)

Romex® is a registered trademark of Southwire Company.

**Textured handles** provide a firm, comfortable grip

**Spring loaded** for self-opening action

**Black-oxide finish** resists corrosion

**Easy-to-read wire gauge markings** on both sides for stripping in either direction

## Wire Strippers/Cutters

**Wire looping and bending holes**

**Precision-ground stripping holes** for easy removal of insulation



### Wire Strippers/Cutters

Includes core wire stripper/cutter features plus:

- Narrow nose fits into tight places
- Cat. No. 11048 strips two wires in a single motion
- Do not use for cutting steel wire or screws



DUAL-WIRE STRIPPER  
11048



11045

Cat. No.	Strips and Cuts	Overall Length	Handle Color	Weight
11045	10 - 18 AWG Solid (4.0 mm <sup>2</sup> - 0.75 mm <sup>2</sup> )	6-1/4" (158.8 mm)	Yellow	0.27 lb (0.12 kg)
11046	16 - 26 AWG Stranded (1.0 mm <sup>2</sup> - 0.14 mm <sup>2</sup> )	6-1/4" (158.8 mm)	Red	0.27 lb (0.12 kg)
11047	22 - 30 AWG Solid (0.34 mm <sup>2</sup> - 0.05 mm <sup>2</sup> )	6-1/4" (158.8 mm)	Yellow	0.27 lb (0.12 kg)
11048	10, 12, 14 AWG Solid (4.0 mm <sup>2</sup> , 2.5 mm <sup>2</sup> , 1.5 mm <sup>2</sup> )	6-1/4" (158.8 mm)	Yellow	0.27 lb (0.12 kg)
11049	8 - 16 AWG Stranded (6 mm <sup>2</sup> - 1.0 mm <sup>2</sup> )	6-1/4" (158.8 mm)	Red	0.27 lb (0.12 kg)

See page 295 for additional information on warnings.



## Combination Wire-Stripping and Crimping Tools

### Multi-Purpose 6-in-1 Tool

- Cleanly shears bolts
- Easily cuts and strips wire
- Comfortable, plastic-covered handles
- Measures stud sizes
- Gauges wire sizes
- Crimps insulated terminals

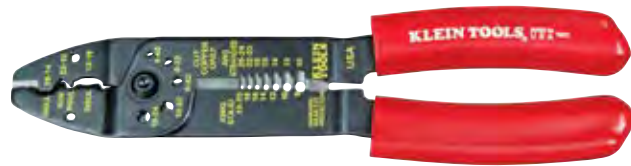


1000

Cat. No.	Strips and Cuts	Bolt Size	Crimping Capacity	Overall Length	Handle Color	Weight
1000	8 - 22 AWG Solid (6.0 mm <sup>2</sup> - 0.34 mm <sup>2</sup> ), 10 - 26 AWG Stranded (4.0 mm <sup>2</sup> - 1.0 mm <sup>2</sup> )	4-40, 6-32, 8-32, 10-24, 10-32	10 - 22 AWG	7-3/4" (196.9 mm)	Red	0.44 lb (0.20 kg)

### Multi-Purpose Electrician's Tool

- Cleanly shears bolts
- Two wire cutters-one at tip, the other halfway back near stripping holes-double the utility of this tool
- Full-sized, plastic-covered cushioned handles for comfort
- Color-coded crimping dies for 10-22 AWG insulated and non-insulated terminals
- Pivot nut adjusts tension
- Wire-looping holes near tip



1001

Cat. No.	Strips and Cuts	Bolt Size	Crimping Capacity	Overall Length	Handle Color	Weight
1001	8 - 22 AWG Solid (6.0 mm <sup>2</sup> - 0.34 mm <sup>2</sup> ), 10 - 26 AWG Stranded (4.0 mm <sup>2</sup> - 1.0 mm <sup>2</sup> )	4-40, 6-32, 8-32, 10-24, 10-32	10 - 22 AWG	8-1/2" (215.9 mm)	Red	0.47 lb (0.21 kg)

### Multi-Purpose Long-Nose Tool

- Cleanly shears bolts
- Easily cuts and strips wire
- Plastic-covered cushioned handles for comfort
- Narrow, serrated pliers plier nose pulls, loops and bends wire
- Long, curved cutting blade
- Cutters and strippers are in front of the pivot for maximum ease-of-use when reaching into tight places
- Crimps insulated and non-insulated terminals and 7 to 8 mm ignition terminals



1010

Cat. No.	Strips and Cuts	Bolt Size	Crimping Capacity	Overall Length	Handle Color	Weight
1010	10 - 20 AWG Solid, 12 - 22 AWG Stranded	4-40, 5-40, 6-32, 8-32, 10-32, 10-24	10 - 22 Gauge	8-1/4" (209.6 mm)	Blue	0.43 lb (0.20 kg)

## Warning Symbols



Safety alert symbol: Indicates a hazard.



Do NOT use to pry.



It is important that users of these products read, understand, and follow all instructions, cautions, and warnings that are attached to and/or packed with the product.



Always ensure that you and the persons in the vicinity wear approved eye protection.



Do NOT use to chisel.



Strong magnetic field.



NOT insulated. Plastic-dipped or slip-on plastic handles are NOT intended for protection against electrical shock.



Do NOT extend handle length.



Wear approved hand protection.

Never use on or near live electrical circuits.



Do NOT use to push or hammer.



Use a safe work position to avoid loss of balance.

**WARNING:** Cancer and reproductive harm – See [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov) for more information.

### Test and Measurement

#### ⚠️ WARNINGS:

- To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.
- Before each use, verify meter operation by measuring a known voltage or current.
- Never use a meter on a circuit with voltages that exceed the category based rating of the meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Never assume neutral or ground wires are de-energized. Neutrals in multi-wire branch circuits may be energized when disconnected and must be retested before handling.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.

### Non-Contact Voltage Tester (Additional Warnings)

#### ⚠️ WARNINGS:

- Use caution with voltages above 30V AC as a shock hazard may exist.
- A single blinking LED or a steady glowing LED and an audible beep indicate voltage present. If no indication, voltage could still be present.
- Before and after each use, verify operation by testing a known working circuit that is within the rating of this unit.
- The tester **WILL NOT** detect voltage if:
  - The wire is shielded.
  - The operator is not grounded or is otherwise isolated from an effective earth ground.
  - The voltage is DC.
- The tester **MAY NOT** detect voltage if:
  - The user is not holding the tester.
  - The user is insulated from the tester with a glove or other materials.
  - The wire is partially buried or in a grounded metal conduit.
  - The tester is at a distance from the voltage source.
  - The field created by the voltage source is being blocked, dampened, or otherwise interfered with.
  - The frequency of the voltage is not a perfect sine wave between 50 and 500Hz.
  - The tester is outside of operation conditions (listed in Specifications section).
- Operation may be affected by differences in socket design and insulation thickness and type.
- In bright light conditions, the LED visual indicators will be less visible.
- Do not use if "power on" LED is not illuminated.
- Do not use if tester appears damaged or is not operating properly. If in doubt, replace the tester.
- Do not apply more than the rated voltage as marked on the tester (1000V).
- Detection above 12V is specified under "normal" conditions as specified below. The tester may detect at a different threshold at different conditions, or may not detect at all unless:
  - The tip of the tester is within 0.25" of an AC voltage source radiating unimpeded.
  - The user is holding the body of the tester with his or her bare hand.
  - The user is standing on or connected to earth ground.
  - The air humidity is nominal (50% relative humidity – non-condensing).
  - The tester is held still.
- Always wear approved eye protection.
- Comply with local and national safety requirements.
- If this product is used in a manner not specified by the manufacturer, protection provided by the product may be affected.
- Do not attempt to repair this tester. It contains no serviceable parts.
- Do not expose the product to extremes in temperature or high humidity.

### Insulated Tools



**⚠️ WARNING:** Only use tools that are marked with the official international 1000-volt rating symbol shown below, if there is any chance that the tools will make contact with an energized source.

**⚠️ WARNING:** Wear approved eye protection. Always inspect your tools before use. Do not use if orange coating cracks, breaks or becomes damaged. Destroy tool if white layer shows through orange layer.

**⚠️ WARNING:** Do NOT touch uninsulated portion of the tool or any conductive object when either might contact an energized source.

**⚠️ WARNING:** Whenever possible, always de-energize lines and equipment prior to working on or around them. Klein insulated tools are designed only to reduce the chance of injury where the tool may make contact with an energized source.

**⚠️ WARNING:** Because moisture, films, or other surface contaminants are conductive, Klein insulated tools must be kept clean, dry, and free of any surface contaminants.

### Infrared Thermometer

**⚠️ CAUTION:** Reflective materials may be hotter than indicated. Laser radiation-do NOT stare into beam. Class 2 laser product.

### Wire Pulling Grips

**⚠️ WARNING:** Grips are to be used for temporary installation, not for permanent anchorage.

**⚠️ WARNING:** When used on/or near energized lines, ground, insulate, or isolate grip before pulling.

**⚠️ WARNING:** Do not exceed rated capacity.

**⚠️ WARNING:** Always match proper size and type of grip to application.

**⚠️ WARNING:** Before each use, clean jaw area and inspect grip for proper operation to avoid slippage.