KNIPEX Quality – Made in Germany

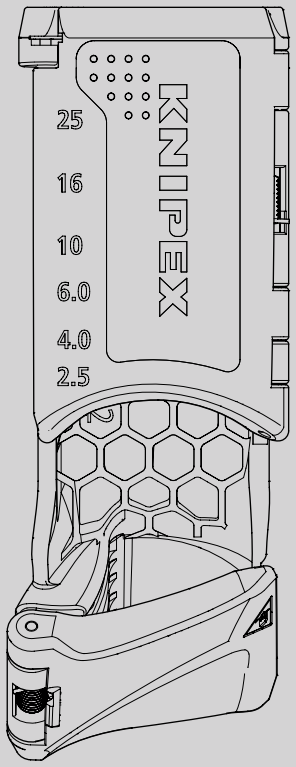
Operating instructions

16 95 11

EN

KNIPEX ErgoStrip® XL

Universal Stripping Tool for cable diameters 12 - 28 mm



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1 General

1.1 Notes on operating instructions

These operating instructions are designed to enable you to use your tool safely and efficiently.
The tool may only be used if it is in technically perfect condition. As a consequence of technical developments, the illustrations and descriptions contained in these operating instructions may differ slightly from the tool actually delivered.
We do not accept any liability for damage caused by failure to observe these operating instructions.

1.2 Symbols used

All safety instructions in these operating instructions are indicated by corresponding symbols. The signal words at the beginning of each safety instruction express the extent of the Hazard.



Danger!

Level 1 risk source

This combination of symbol and signal word indicates an imminently hazardous situation that will result in death or serious injury if not avoided.



Warning!

Level 2 risk source

This combination of symbol and signal word indicates a possibly hazardous situation that may result in death or serious injury if not avoided.



Caution!

Level 3 risk source

This combination of symbol and signal word stands for important information that will assist in preventing damage to property or the environment.

1.3 Copyright

These operating instructions and all documentation supplied with this tool are protected by copyright and remain the property of KNIPEX.
The reprinting of these instructions, even in extract form, is only permitted with the written consent of C. Gustav Putsch KG.

1.4 Guarantee and warranty

The manufacturer grants a statutory warranty in accordance with the current sales and delivery conditions.

No further warranties or assurances are granted. Within the warranty period, the warranty covers the rectification of all defects that can be traced back to material faults or manufacturing errors.

Wearing parts are excluded from the warranty. The repair or replacement of a tool shall not result in an extension of the warranty period.

Tools shall only be repaired or replaced with „as new" parts, whose function corresponds to that of the old parts. All defective and hence replaced parts are the property of the manufacturer.

Warranty claims shall expire in particular if:

- Damage is caused through improper operation, use for purposes other than those specified by the manufacturer, or poor maintenance.
- Repairs or conversions are carried out by unauthorized persons.
- Original accessories or spare parts from KNIPEX are not used.
- Defective components are not repaired immediately to minimise the extent of the damage and so as not to impair the safety of the tool (obligation to repair).

For the rest, reference is made to the liability and warranty regulations of the current sales and delivery conditions.

In view of the wide variety of possible insulation materials with different properties, such as material hardness and material thickness, it is not possible to guarantee perfect stripping results in every application.

It is therefore the user's responsibility to independently check the suitability of the tool and select the appropriate one for their specific requirements. We are happy to offer advice and support on request.

2 Safety

2.1 Intended use

The tool is intended for the following uses:

- Stripping the outer sheath by making circumferential and longitudinal cuts in round cables, e.g. NYM, NYY, R2V (diameter 12 to 28 mm)
- Stripping individual conductors (2.5 to 25 mm²)
- Breaking open the outer sheath after making a longitudinal cut

Any use beyond the intended purpose or any unauthorized modification shall be considered improper. The operator shall be liable for damages resulting from improper use.

The tool is not insulated and does not protect against electric shock.

Intended use also includes adhering to these operating instructions. They must be read in full before use.

This tool may only be used by authorized, trained, and qualified personnel.

Work on electrical installations may only be performed by qualified electricians with the appropriate training.



Danger!

Risk of death from electric shock!

Disconnect all cables from the power source before cutting!

Work only on de-energized cables and wires!



Warning!

Wear protective gloves

When using the tool, wear gloves with a cut resistance rating of at least Class B (according to DIN EN 388:2019-03).



Warning!

Wear safety glasses

Wear safety glasses when using the tool!



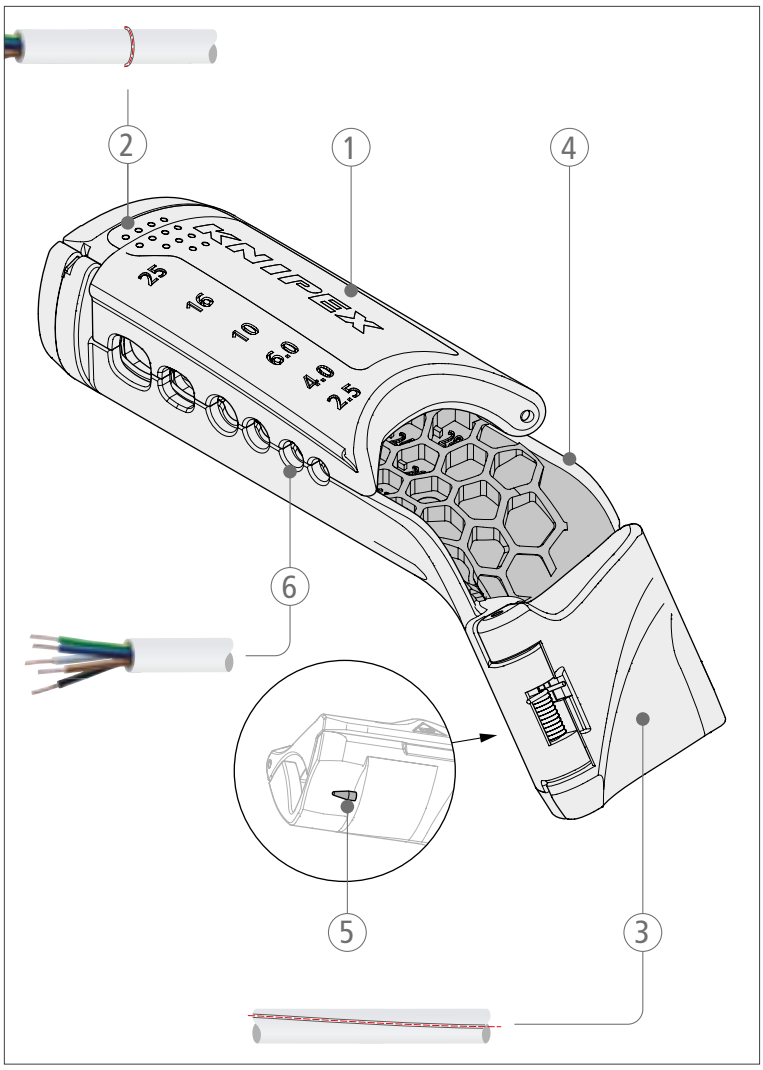
Warning!

Warning: Sharp blades!

Handling sharp blades is dangerous. For this reason, make sure to handle your tools with care when working.

3 Design and function

3.1 Design



Structure of the stripping tool XL

1 Upper long shell with a locking spring and an integrated scale for stripping lengths
2 Three blades for circumferential cutting to perform stripping on round cables such as NYM and NYY cables
3 Short upper shell with a locking spring and a blade for making longitudinal cuts, featuring a positioning mark for alignment with the circumferential cut
4 Lower shell with an integrated scale for stripping lengths
5 Cable-splitting aid for opening the cut cable jacket
6 Blades for stripping individual conductors

3.2 Function

The ErgoStrip XL universal stripping and insulation-removal tool is used to strip round cables with diameters of 12–28 mm and to perform stripping on individual conductors with cross-sections of 2.5/4/6/10/16/25 mm².

Stripping is performed by making a circumferential and longitudinal cut, followed by breaking open the cut cable jacket.

4 Operation

4.1 Five safety rules for working on electrical installations

1. Disconnect from the power source!
2. Secure against accidental re-energization!
3. Verify that the circuit is de-energized!
4. Ground and short-circuit!
5. Cover or cordon off adjacent live parts!

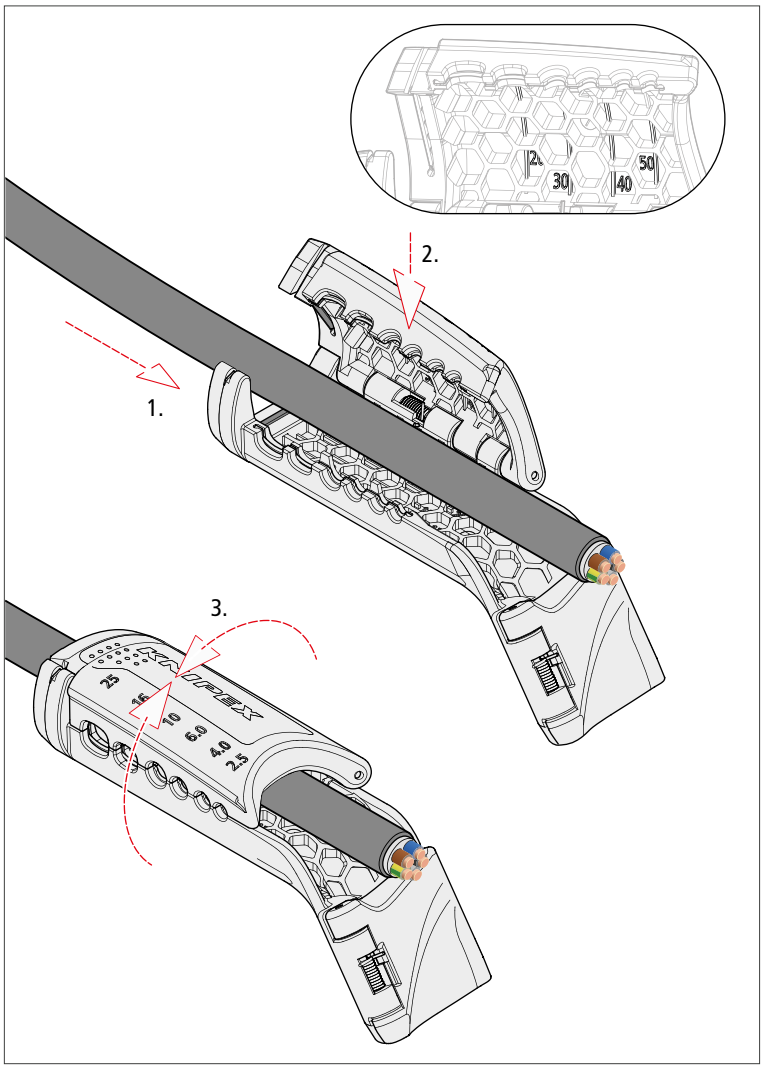
4.2 Stripping Cables by Circumferential Cut

1. Open the upper long shell and place the cable in the holder. Markings are embossed on the inside of the upper shell (20, 30, 40, 50; values in mm). These serve as a guide for the correct stripping length.
2. Close the shell and hold it firmly shut.
3. Rotate the tool back and forth a few times by about 1 / 4 turn to score the insulation circumferentially.

Warning!

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Stripping Round Cables Using a Circumferential Cut

4. Open the tool and remove the cable.

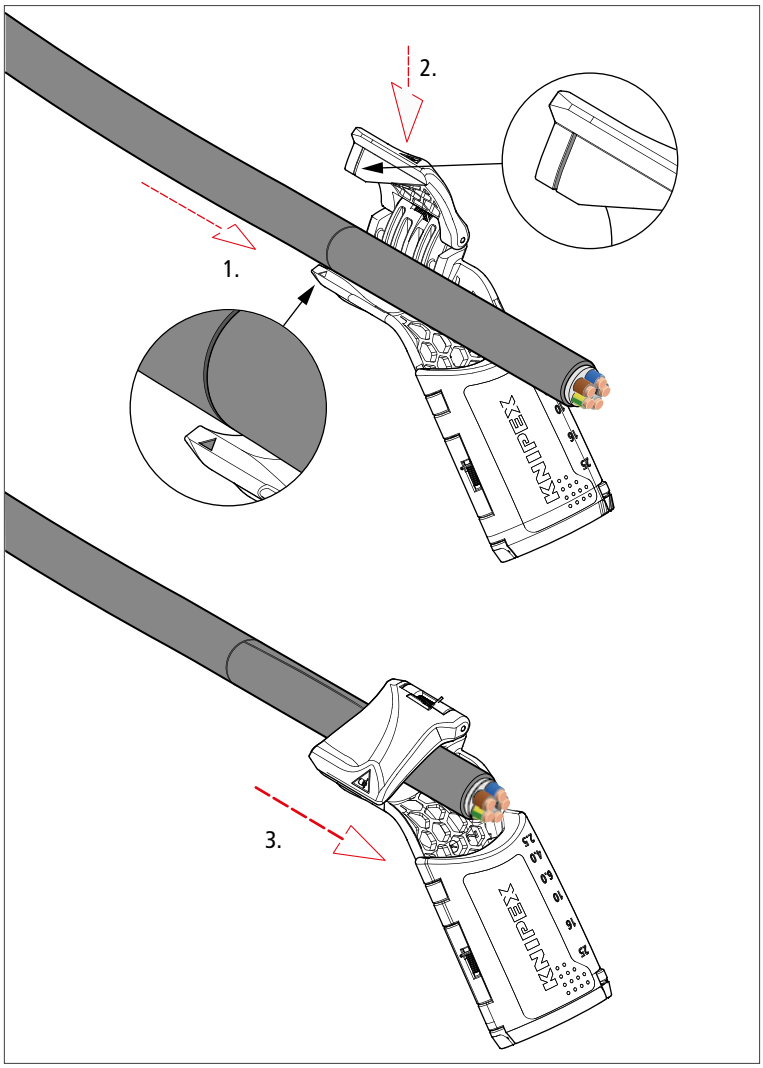
4.3 Stripping cables by making a longitudinal cut

1. Open the upper short shell and place the cable in the holder. The positioning marks help align the cable with the previously made circumferential cut.
2. Close the holder and hold it firmly shut with your thumb.
3. Pull the tool along the cable to cut into the insulation lengthwise.

Warning!

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Stripping round cable via a longitudinal cut

4. Open the tool and remove the cable.

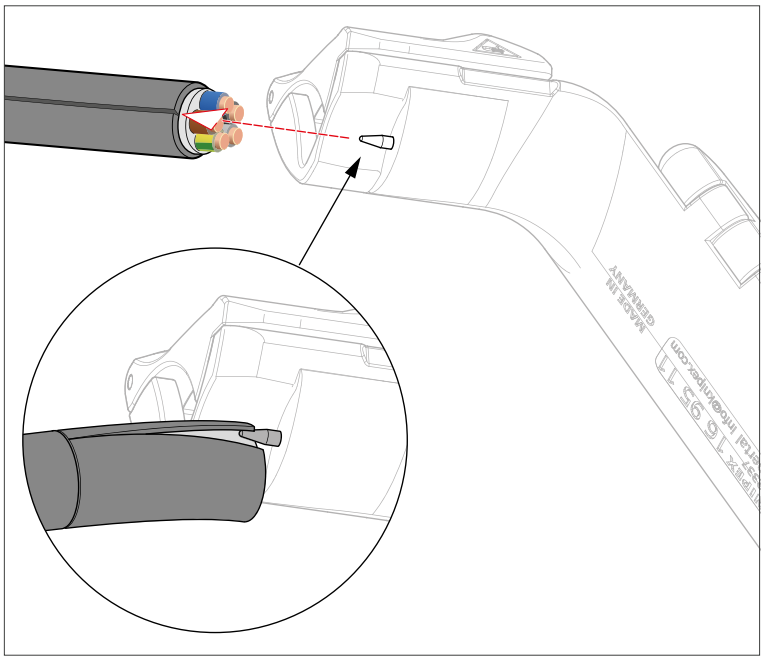
4.4 Breaking open the insulation

1. FInsert the insulation-breaking tool slightly offset beneath the cut cable insulation.
2. Turn the tool clockwise to split the cable jacket.

Warning!

Wear protective gloves

Risk of injury from the splitting tool slipping, as well as from sharp edges on cables and wire strands.



Split the insulation

3. Remove the insulation from the cable.

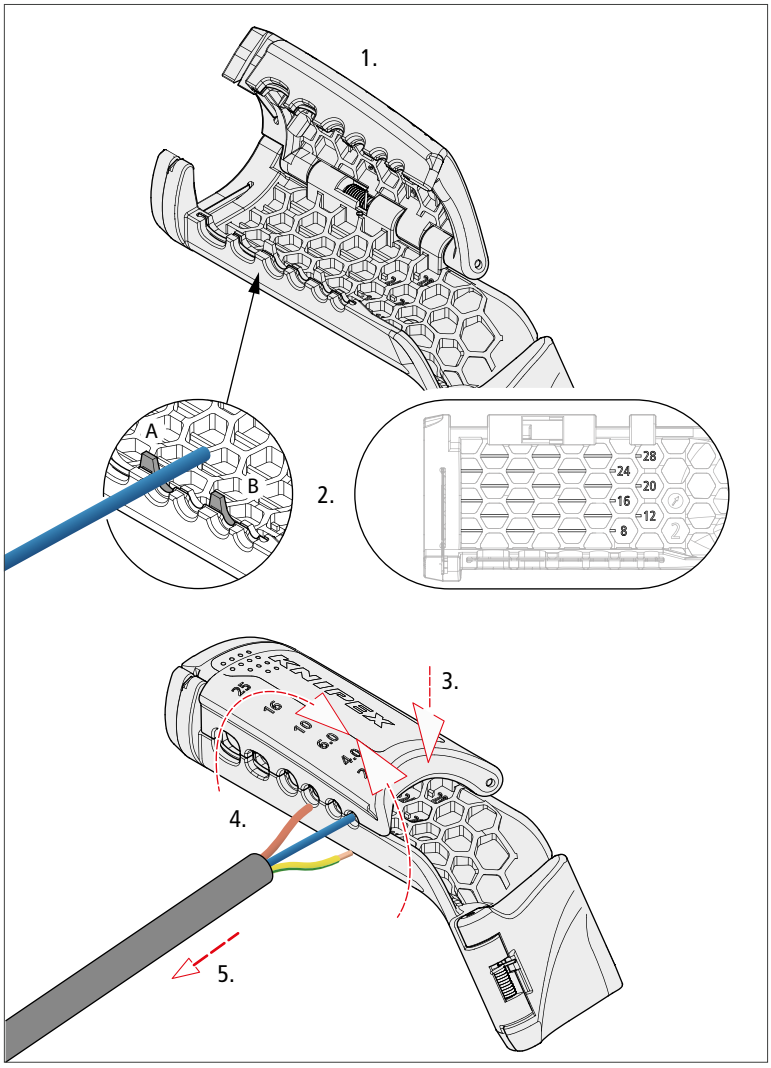
4.5 Stripping individual conductors

1. Open the upper long shell.
2. Select the position that matches the cable cross-section (2.5/4/6/10/16/25 mm²) and place the end of the individual conductor into the selected slot.
   The positioning tabs A (for 16/10 mm²) and B (for 6/4 mm²) make insertion easier.
   Note: Markings for various stripping lengths (8/12/16/20/24/28, in mm) are provided inside the tool.
3. Close the shell and hold it firmly shut.
4. Rotate the tool back and forth a few times, about 1/4 turn each way, to perform stripping on the conductor.

Warning!

Warning: Sharp blades!

Handling sharp blades is dangerous. For this reason, make sure to handle your tools with care when working.



Stripping a single conductor

5. Pull the stripped single conductor out of the holder.

5 Maintenance

The tool is maintenance-free.

6 Technical data

6.1 Technical data

Technical data	Unit	
Item number	–	16 95 11
Length	mm	124
Weight	g	64
Cable types	–	Round cable (e.g. NYM cable), single conductor,

7 Disposal

The tool can be disposed of as household waste.

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