USER INSTRUCTIONS – INDICE A – UPDATE 05/03/2025

RATCHET WIRE CUTTER

LW03-15

In this manual :

PENTA FAMECA

Travailler en confiance sur votre réseau

Work in total confidence with your power network

1. GENERAL CHARACTERISTICS

Insulating fiber glass + foam tube Ø32, insulating fiber glass rod Ø10 certified CEI 60855-1.

Cutting head and handle made of metal protected against corrosion.

Guiding system of the rod made of synthetic materials.

Tool compliant with IEC 60832-1.

Maximal cutting capacity: 228 mm² for aluminium-steel cable.

Reference	**LW03-15-32-240**	**LW03-15-32-360**
Total length L (m)	2,40	3,60
Insulating length l (m)	0,18 + 1,20	0,18 + 2,40
Approx. weight (Kg)	5,5	7

2. USE CONDITIONS

2.1. Working conditions

Work on aerial grid.

Maximal voltage : 420 kV.

2.1. Functions and use

The ratchet wire cutter is used to cut conductors that have no mechanical tension at the cutting point.

3. OPERATING MODE

3.1. Check of tools before work

To guarantee user's safety, check before use that the tool is always in good condition:

- The tool is clean and exempt of corrosion.
- No binding of mechanisms
- No trace of shock or crack on tube and rod
- Make an empty try of the cutting system
- Wipe the tube and rod with a silicon cloth before each use.

3.2. Storage / transport

The ratchet wire cutter should be stored in a vertical or horizontal position, with adapted supports. Ensure that any fall will not occur. Avoid shocks with other tools and objects during transport.

It must be stored with the handle fold along the Ø32 tube.

3.3. Use instructions

Open the cutting head

This operation is necessary before doing any work, to be able to take the conductor between the jaws of the cutting head.

1. Pull the button on the right side of the handle
2. In the same time, fully push the handle in the up direction
3. The cutting head opens.

Cutting a conductor

CAUTION: before doing a cut, always ensure that there is no mechanical tension in the conductor, and that this absence of tension is secured.

1. Place the conductor between the jaws that have been opened previously
2. Make a up-down pumping movement with he handle, on all its stroke. A “clic” happens on every high and low point.

3. Continue until the conductor is fully cut.

4. PERIODICAL CONTROL

According to IEC 60832-1, tool cleanliness, i.e. an uncontaminated tool, and a smooth, shiny surface, are the key to maximum dielectric performance. All tools should be electrically checked at least once every two years.

5. REPAIR

The cutting head can be replaced, when wear becomes too important to allow clean and sharp cuts. Component reference: LW03-15-TC.

Any other repair is forbidden. If any doubt, please return the tool to the manufacturer.

Toute autre réparation est interdite. If in doubt, please return this tool to the manufacturer who will ensure control and retrofit of the tool.

6. END OF LIFE

The metallic parts of the cutting head and handle can be separated to be treated as a metallic waste (steel and aluminum), in an adapted treatment circuit. The rest of the insulating tube is not recyclable and must the treated as normal industrial waste.

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