Copper wire for machines welding metal containers
La Farga has developed the ecoCOPPER® copper wire with the technical performance requirements of the packaging industry in mind.

Ecocopper copper wire, based on the specific performance required for a wire for welding containers, enhances the quality of the welds because it provides a greater tensile strength at high temperatures and therefore ensures a greater dimensional stability during the welding process.

**ADVANTAGES OF THE ECOCOPPER MATERIAL**

- **% Elongation of copper wire under temperature**
- **Tensile strength under temperature**
- **% Elongation of copper wire versus time at 149°C and 171.6 MPa**
- **% Loss of copper wire cross-section versus time at 149°C and 171.6 MPa**

![Graphs showing properties of ecoCOPPER® copper wire](image-url)
Technical characteristics

Chemical composition of the wire: (Cu+Ag) > 99.90%.
Oxygen < 0.04000%.
State: Hard or annealed.
Complies with the RoHS directive.
CAS No. 7440-50-8
REACH No: 01-2119480154-42-0061

Packaging

Cardboard basket:
1000 ÷ 2000 Kg

<table>
<thead>
<tr>
<th>TYPE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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Applications

For packaging and preserving various products such as: foodstuffs, aerosols, cosmetic products, etc., packaging plays an essential role. The packaging ensures that the product packed meets the appropriate expectations of safety and preservation for maintaining the characteristics of the product and therefore the complete satisfaction of the final consumer. Copper wire is used in the process of welding the containers (see figure 1), thereby ensuring their quality.

Range

Diameter (mm)

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
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<tbody>
<tr>
<td>1.20</td>
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La Farga copper wire is subject to a patent whose purpose is the chemical composition needed to manufacture copper wire suitable for welding with better mechanical properties and resistance to temperature than conventional copper wire, which gives it a better dimensional stability during the welding process.

ADVANTAGES OF THE PROCESS

- **La Farga holds a patented process that is sustainable and innovative.** La Farga is a leader in recycling technology and sells its know-how around the world.
- **Cost-effective for customers:** The recovery process allows the customer to pay only for the processing of the product, thus avoiding the need to buy the raw material each time the copper wire is used.
- **Since we are able to recover 100% of the material ourselves, our customer incurs less logistical costs.**
- The production process allows La Farga to apply materials science in order to produce a thread with exclusive composition for the packaging industry.

Request our instructions at yourcoppersolutions@lafarga.es or at your trusted dealer.
QUALITY

The principle of quality is present in the company’s values and is one of the commitments that La Farga assumes and promotes at all levels.

For La Farga it is indispensable to offer the maximum quality in each of our products and that is why each and every one of our actions is based on this principle. Each person inside La Farga takes this principle seriously and professionally and works untiringly in order to offer our products and services in accordance with our commitment.

We are certified by AENOR according to the ISO 9001 model, which endorses our involvement in questions of quality.

INNOVATION

In La Farga we work constantly for the continuous improvement of our products and for this reason we have a research, development and innovation team that, along with our clients and all the departments of the team, is able to develop new products that meet specific needs.

Moreover, the continuous improvement of our products and processes is focused on improving the manufacturing systems and methods of products and their quality control.
La Farga offers personalised attention to the client, attending to their orders and/or consultations quickly and efficiently, with the aim of ensuring excellent and responsible service. We offer a technical assessment service on the clients premises.