



LOW CARBON COPPER

Less than half of the global
average CO₂ emissions per
kg of copper



PROVIDING AND SECURING A SUSTAINABLE FUTURE

elcowire

INTRODUCING A BRAND NEW STANDARD

Elcowire is presenting a new certified copper quality that sets a brand new standard for low CO₂ emissions. Low-carbon Copper comes from the mines in northern Sweden and Finland where new production methods have paved the way for a greener solution that reduces CO₂ emissions by as much as 50%.

Image: Boliden copper mine



Electrified heavy dumper

Low-carbon Copper will play an important role in the sustainable transition to achieve the goal of net-zero CO₂ emissions by 2050 set by the EU.

HOW IT IS ACHIEVED

The copper cathodes that we use in our production come from mines and smelters in Sweden, Finland and Norway. Production there has undergone a substantial transformation due to electrification of various stages of the process. The new Low-carbon Copper has also been made possible by a very efficient ore concentration process and a world-class green energy mix. Elcowire wants to set an example by producing semi-finished and finished products that have a low impact on nature and the climate. And we are proud to be on board in that transition.

ACCELERATE YOUR JOURNEY TOWARDS A LOWER CARBON FOOTPRINT

The reduced CO₂ emissions of our Low-carbon Copper have been validated scientifically, and will help our customers to achieve their emission reduction targets faster and more efficiently.

As Northern Europe's leading provider of copper wire products Elcowire is devoted to supporting our planet's shift to greener energy sources and raw materials. We focus on developing solutions that enable electrification of transport, expanding solar and wind power sources and the widespread growth of a modern and sustainable infrastructure. The introduction of Low-carbon Copper in our production is a great move towards that goal.

“ Less than half of the global average CO₂ emissions per kg of copper quoted by the International Copper Association (ICA).

ACCELERATE YOUR JOURNEY FOR LOWER CO₂

A new branch standard is set with Low-carbon Copper, which reduces CO₂ emissions by at least 50%

As one of Europe's leading suppliers of wire-rod based products and services, our solutions are an essential component in the electrical and infrastructure industries.

Our challenge is to continuously innovate improvements in our processes, and by doing so, pave the way for a more sustainable world. Our technologies form the core of electrification of the society and clean energy solutions, as well as transportation and communications networks. That is how we are enabling greener ways to meet tomorrow's electricity need.

With products that set a new industry standard for low carbon footprint, we are helping customers build a more efficient energy infrastructure and make the shift to e-mobility.



By introducing the new Low-carbon Copper in our production we will also contribute to a more sustainable world and help our customers to accelerate their journey towards their set goals for reducing CO₂ emissions. We are proud of being able to introduce Low-carbon copper and already there are numerous examples of how emissions will be lowered in a significant way when compared to other solutions.

Elcowire Low-carbon Copper is provided through our long-term cooperation with our suppliers and sets a new standard for reducing the carbon footprint in all the applications that our products are used in.

FACTS & FIGURES

The significantly lower CO₂ emissions of the Low-carbon Copper cathodes that we use in our production are verified through several validation processes

LESS THAN HALF OF THE GLOBAL AVERAGE CO₂ EMISSIONS PER KG OF COPPER QUOTED BY THE INTERNATIONAL COPPER ASSOCIATION (ICA).

The reporting protocol that was used for verification is the Greenhouse Gas Protocol – Product Life Cycle Accounting and Reporting Standard. The product was also validated and reviewed against the general principles in ISO 14064-3 Standard (*Greenhouse Gases – Part 3: Specification with Guidance for the Validation and Verification of Greenhouse Gas Assertions*)



VALIDATED PROCESS FOR LOW-CARBON COPPER

The production of copper from cradle-to-Elcowire-gate includes mining and milling, transportation, smelting and refining. GHG emissions from mining and milling include all three scopes. Smelting and refining include scope 1 and 2, while transportation and auxiliary bulk goods & chemicals used in the process of producing metals are scope 3.

//As one of the leading European suppliers of copper products, we are committed to sustainable copper sourcing. We are developing advanced technologies to provide outstanding energy-saving products with maximum useful life to enable sustainable solutions.//



–WHAT IS ELCOWIRE LOW-CARBON COPPER?

Our Low-carbon Copper has less than half of the global average CO₂ emissions per kg of copper quoted by the International Copper Association (ICA).

–HOW DO YOU ENSURE THAT THE NUMBERS ARE CORRECT?

The footprint has been calculated in accordance with the GHG Protocol Product Standard and ISO 14064-3 with support from Sphera. It has also been verified to comply with the GHG Protocol and reviewed according to the principles of ISO 14064-3 by a third party, Intertek.

–WHICH LOW-CARBON COPPER PRODUCTS IS ELCOWIRE OFFERING?

We are offering Low-Carbon Copper to customers that value an efficient improvement supporting policies and fulfilling obligations for lowering their CO₂ footprint.

– WHERE ARE THE ELCOWIRE LOW-CARBON COPPER CATHODES PRODUCED?

Our Low-carbon Copper cathodes are produced at Rönnskärsverken in Sweden and Harjavalta in Finland by Boliden.

– HOW CAN YOUR NUMBERS BE LOWER THAN AVERAGE?

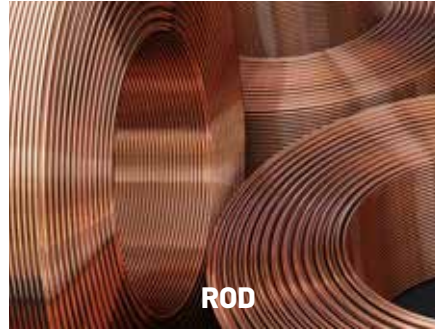
The mines and smelters where our copper cathodes are produced achieve a lower CO₂ footprint than the industry average due to higher efficiency and level of electrification, in combination with fossil free-energy sources.

–WHAT DO YOU INCLUDE IN YOUR CO₂ FOOTPRINT?

When calculating the CO₂ footprint, Scope 1, 2 and 3 emissions have been included. All categories in the Greenhouse Gas Protocol with a relevant impact on the final carbon footprint from cradle-to-Elcowire gate are included.



RAIL



ROD



HIGH VOLTAGE



SPECIALS

We are one of the leading suppliers in Europe, developing products and services based on wire rod for the electrical and infrastructure industry with copper and aluminum solutions. Operations are located in Sweden, Germany and China. Elcowire consists of four business units: Rod, Rail, High Voltage and Specials. We employ 200 people and our headquarters are located in Helsingborg, Sweden. Elcowire is part of Liljedahl Group

CONTACTS

SWEDEN: Elcowire, Box 914, SE-251 09 Helsingborg, Sweden
Tel +46 (0)42 19 53 00 Fax +46 (0)42 19 53 45

GERMANY: Lichtlöcherberg 40, D-06333 Hettstedt, Germany
Tel +49 (0)152 5873 4951

info@elcowire.com www.elcowire.com