

# WIRE

WELDING WIRE

KME Mansfeld GmbH  
COPPER DIVISION  
[GB]



# TIN, CAN & CO.

## Firmly welded with KME.

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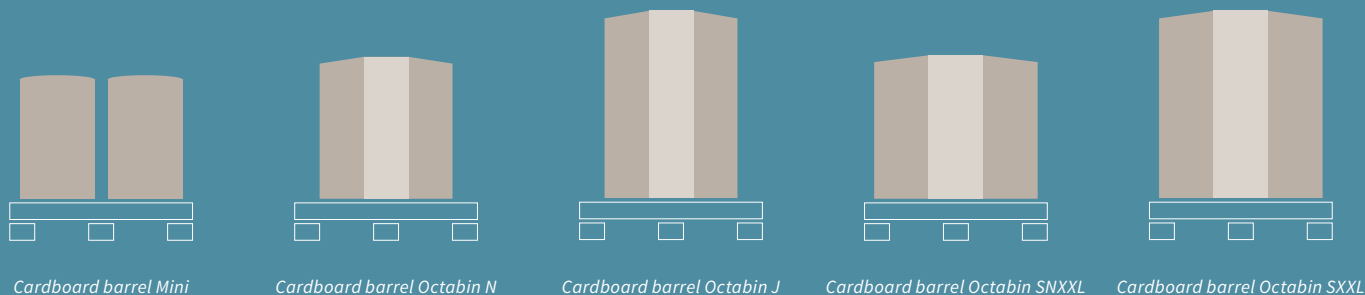
In many countries, metal outer packaging is common. Fruit, vegetables, edible oil or confectionery can be better protected from light and temperature in canned goods. Flammable substances such as paints, varnishes and machine oil can also be stored more safely in canisters or aerosol cans. Welding wire is indispensable for their production. Parts can be joined much faster with the welding-soldering process than with the folding method. Up to 140 metres of wire pass through the machines every minute, which means that up to 1,000 cans can be closed, depending on their circumference. The prerequisite is the best material, which fits without gaps and is able to cope with anything. Just like KME welding wire.

### DELIVERY

All KME products are packaged in specific, safe packaging that conforms to standards. They guarantee dimensionally stable shipping that maximally preserves the product characteristics ex works. Seaworthy packaging is also part of our standard. Individual requests can be checked, as far as technically feasible, and are possible at an extra charge.

### With wire products from KME you are opting for:

- maximum product and dimensional (diameter) variety
- integrated production
- flexible machinery with continuous expansion
- over 100 years of expertise in the entire spectrum of copper production and processing
- highly qualified employees
- Comprehensive advice and support
  - in product development, the surface qualities
  - new material qualities and alloys
  - the optimization of material usage (diameter and cross sections)
  - Development of new applications
  - improvement of business and technological processes
  - product- and order-specific packaging



## WELDING WIRE made of Cu-ETP or CU-OF according to DIN EN 13602

### MATERIAL PROPERTIES OF THE SEMI-FINISHED COPPER PRODUCT

<b>Cu-ETP</b>	Copper $\geq 99.90\%$	Oxygen O <sub>2</sub> max. 0.04 %
<b>Cu-OF</b>	Copper $\geq 99.95\%$	Oxygen O <sub>2</sub> max. 0.0015 %

### MATERIAL PROPERTIES IN DELIVERY CONDITION

		1.24	1.38	1.50	1.60	1.80	2.00	2.50
<b>Round wire nominal-Ø</b>	mm	1.24	1.38	1.50	1.60	1.80	2.00	2.50
<b>Cross section approx.</b>	mm <sup>2</sup>	1.21	1.50	1.77	2.01	2.54	3.14	4.91
<b>Ø-Tolerance</b>	mm	0 / -0.04	0 / -0.04	0 / -0.04	0 / -0.04	0 / -0.04	0 / -0.04	0 / -0.04
<b>Weight (density 8.9 kg/dm<sup>3</sup>)</b>	kg/km	10.7	13.3	15.7	17.9	22.6	28.0	43.7
<b>Specific resistance at 20°C max.</b>	Ω*mm <sup>2</sup> /m	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Conductivity min.</b>	MS/m	57.50	57.50	57.50	57.50	57.50	57.50	57.50
<b>Yield strength. Rp 0.2</b>	N/mm <sup>2</sup>	min. 180	min. 180	min. 180	min. 180	min. 180	min. 180	min. 180
<b>Tensile strength. Rm</b>	N/mm <sup>2</sup>	245 – 285	245 – 285	245 – 285	245 – 285	245 – 285	245 – 285	245 – 285
<b>Elongation at break. A</b>	%	22 – 28	22 – 28	22 – 28	22 – 28	22 – 28	22 – 28	22 – 28

Suitable for machines made by SOUDRONIC, CAN MAN, CEVOLANI and many more.

## PACKAGING

CARDBOARD BARREL TYPE	FILLING WEIGHT max. (in kg)	HEIGHT (in mm)	WIDTH (in mm)	PALLET DIMENSIONS L x W x H (in mm)
<b>Mini</b>	max. 300	800	Ø 500	1020 x 1020 x 140 (4 Fässer)
<b>N</b>	max. 1,200	900	890	890 x 890 x 140
<b>J</b>	max. 1,700	1200	890	890 x 890 x 140
<b>SNXXL</b>	max. 1,700	910	1090	1100 x 1100 x 140
<b>SXXL</b>	max. 2,300	1200	1090	1100 x 1100 x 140

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