



Lamifil brings connections to life by producing premium innovative copper alloy wires for critical applications where space, weight, flexlife and conductivity are vitally important.

We empower our customers to excel and thrive in their respective industries by offering them a technological edge in today's competitive markets. Lamifil understands the need of its customers and delivers tailor-made alloys that enhance the performance, processability and durability of their applications. Lamifil's ambition is to lead the way in the sustainable production of high-end cables and wires.

INCREASING PROCESS RELIABILITY

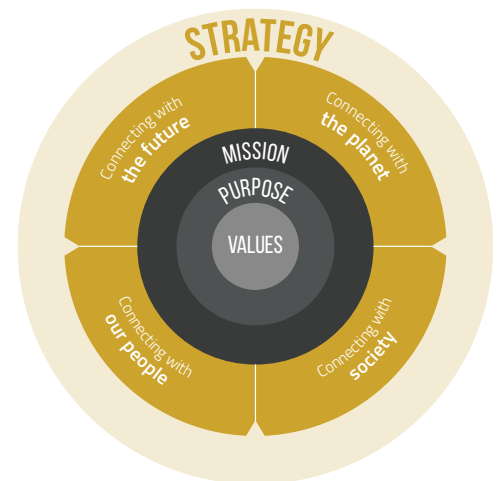
- > **Customized alloying** as a result of **continuous upcasting process**
- > **Shorter lead times** and **full process control** thanks to consistent output and quality

DELIVERING CONSISTENT QUALITY AND SPECIFICATIONS

- > Fully **automated**, process-driven and **oxygen-free alloying** and **casting**
- > **Homogeneous products and highest purity alloys**
- > Highly suitable for **metal plating and argon gas atomization**

HELPING CUSTOMERS TO MANUFACTURE COST-EFFICIENTLY

- > **Excellent drawability, flexlife, conductivity, tensile strengths** and **thermal stability**
- > **Less material testing required** and **maximum metal yield** due to longer lengths on coil



More information about our sustainability approach





COPPER ALLOYS OVERVIEW

ALLOY	Brand name	UNS number	O ₂	Average electrical conductivity	Average tensile strength	Elongation	Flexlife	Application
				% IACS	MPa	%	%	
COPPER ALLOYS								
CuAg0,1	970	C11600	< 400ppm	99,0	470	1,0	150	Automotive/Electronics
CuMg0,2	951F	C18661	< 5ppm	85,5	550	1,0	330	Automotive/Railway/Electronics/Medical/Robotics
CuMg0,4	955L	C18665	< 5ppm	66,0	675	1,0	650	Automotive/Railway/Resistance wire/Antenna
CuSn0,3	930A	C18835	< 5ppm	80,0	540	1,0	290	Automotive/Resistance wire
CuSn0,8	936L		< 5ppm	56,0	650	1,0		Automotive/Resistance wire
CuP	960	C10300	< 5ppm	95,5	490	1,0		Music Strings
HIGH PERFORMANCE COPPER ALLOYS								
CuCr0,3Zr	PowerFil, 943H	C18147	< 5ppm	93,0	450	7,0	900	Aerospace/Robotics/Medical/Railway/Coax cables
CuCr1Zr	945	C18150	< 5ppm	87,0	500	7,0		Additive Manufacturing/Welding wire/Welding tips
CuCrAgSi	975	C18080	< 5ppm	93,0	450	10,0		Aerospace/Medical/Electronics
CuAg0,2	971L		< 5ppm	97,0	510	1,0		Electronics/Additive Manufacturing/Loudspeaker
CuAg1,6	971H		< 5ppm	87	570	1,0		Electronics/Additive Manufacturing/Loudspeaker
CuAg2	972L		< 5ppm	89,5	610	1,0		Electronics/Additive Manufacturing/Loudspeaker

OUR STANDARD DIAMETERS

EU DW	2mm	1,8mm	1,5mm	1mm	0,9mm			
EU R/SW	20mm	16mm	12,5mm	10mm	8mm	7mm	6,35mm	6mm
US	18 AWG	14 AWG	12 AWG	8 AWG				

MORE INFORMATION

To find out more on the specifications, benefits and packaging of our copper alloys, visit our website www.lamifil.be or get in touch with our team: E: info@lamifil.be, T: + 32 (0)3 870 0611

