

LNM CuSi3

TOP FEATURES

- This wire is frequently used for joining in artistic foundries, for welding galvanized sheets and even as a steel cladding.
- It is also suitable for surfaces subject to corrosion.
- Used also for GMA Brazing where a very small active component is suggested in the shielding gas.

TYPICAL APPLICATIONS

- Cladding
- Brazing
- Automotive

CLASSIFICATION

AWS A5.7	ERCuSi-A
EN ISO 24373-A	S Cu 6560 (CuSi3Mn1)

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He

APPROVALS

CE
+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL WIRE

Cu	Sn	Mn	Si	Zn
bal.	0.1	1.0	3.0	0.1

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	0.2% Proof strength (MPa)	Tensile strength (MPa)	Elongation (%)	Hardness (HB)	Impact ISO-V (J) +20°C
Typical values	I1	AW	120	350	40	95	60

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
0.8	SPOOL (S200)	5.0	587012
	SPOOL (BS300)	12.0	587029
1.0	SPOOL (BS300)	12.0	587036
1.2	SPOOL (BS300)	12.0	587039

TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.eu for any updated information.

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