



# Lead-free alloys

INTERFLUX®  
ELECTRONICS N.V.



Technical data lead-free alloys

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## Alloys composed of Sn, Cu and Ag

### Description:

The Interflux® **lead-free alloys** are high purity soldering alloys.

They correspond to or exceed the following specifications:

- J-STD-006B
- NEN-EN ISO 61190-1-3:2007

(\*) Excepted from these norms

Typical levels are given in the table below.

The alloys are available with and without the addition of an anti-oxidant (10-20ppm P).



Products pictured may differ from the product delivered



### More information:

Availability P.2

Safety P.2

### Abbreviations

- SAC305 = Sn96,5Ag3Cu0,5
- SAC387 = Sn95,5Ag3,8Cu0,7
- SAC0307 = Sn99Ag0,3Cu0,7
- SAC0807 = 98,5Ag0,8Cu0,7
- SA30 = Sn97Ag3
- SnCu = Sn99,3Cu0,7
- Sn100 = 100% Sn

## Composition

Element	Symbol	Typical levels in %							
		SAC305	SAC387	SAC0307	SAC0807	SA30	SnCu	Sn100	Sn99,8Cu0,2*
Tin	<b>Sn</b>	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest
Silver	<b>Ag</b>	2,8–3,2	3,6–4,0	0,1–0,5	0,6–1,0	2,8–3,2	≤0,1	-	≤0,1
Lead	<b>Pb</b>	≤0,1	≤0,1	≤0,1	≤0,1	≤0,1	≤0,1	≤0,1	≤0,1
Copper	<b>Cu</b>	0,3–0,7	0,5–0,9	0,5–0,9	0,5–0,9	≤0,08	0,5–0,9	-	0,1-0,3
Antimony	<b>Sb</b>	<0,05	<0,05	<0,05	<0,05	<0,05	<0,05	<0,05	<0,05
Cadmium	<b>Cd</b>	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002
Bismuth	<b>Bi</b>	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10
Arsenic	<b>As</b>	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03
Iron	<b>Fe</b>	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02
Aluminum	<b>Al</b>	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Nickel	<b>Ni</b>	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01
Zinc	<b>Zn</b>	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001



## Availability

+/- 300g bars in 20 and 25kg box  
Pellets +/-  $\varnothing$ 12mmx10mm in 2kg jar  
1,5mm, 2mm, 3 mm plain wire on 1kg and 4kg spools

In the alloys mentioned above  
Not all combinations are guaranteed  
Other types on request

## Safety

Please always consult the safety datasheet of the product.

Trade name: Interflux<sup>®</sup> solder alloys lead-free

D i s c l i m e r

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