

Weller®

WSW SAC L0 Lead free solder wire



Product Specification

1. **Product-Name:** WSW SAC L0

2. **Validity:** This specification is specified for:
Weller-Solder Wire WSW SAC L0

3. **Diameter and Allowance:**

Diameter	Order No.	Tolerance
ø 0.3 mm	T005 13 872 99	+ 0.05
ø 0.5 mm	T005 13 870 99	+ 0.05
ø 0.8 mm	T005 13 869 99	+ 0.05
ø 1.0 mm	T005 13 868 99	+ 0.05
ø 1.2 mm	T005 13 867 99	+ 0.05
ø 1.6 mm	T005 13 866 99	+ 0.05

4. **Deliverable Reel Size:**

Net Weight per Reel (kg)
0.5
+ 0.01

5. **Physical Properties:**

Solidus °C	Liquidus °C	Specific Gravity
217	221	7.4

6. **Chemical Composition: (%)**

Composition	Main components		
	Sn	Ag	Cu
Standard	Rest	3.0	0.5

7. Characteristics:

Test	Characteritics	Test Methods
Flux content (%)	3,5% 3.0 ~ 4.0 (%)	IPC-TM-650:2.3.34
Copper Mirror Test	pass	IPC-TM-650:2.3.32
Silver Chromate	pass	IPC-TM-650:2.3.33
Flux materials composition	RO	J-Std-004:1.2
Quantitative Halide	L0 < 0.0 %	IPC-TM-650:2.3.35
Solder spreading	n.a.	IPC-TM-650;2.4.46
SIR (85°C, 85%, 168 h) (Ω)	$\geq 1 \times 10^9$	IPC-TM-650:2.6.3.3
Corrosion Test	pass	IPC-TM-650:2.6.15

8. Identification:

Reel		Cardboard	
Name	WSW SAC L0	Name	WSW SAC L0
Flux Content	3.5%	Flux Content	3.5%
Diameter (mm)	0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.6	Diameter (mm)	0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.6
Weight	500 g	Weight	5.0 kg
Supplier	Weller Tools GmbH	Supplier	Weller Tools GmbH

9. Packing:

Individual Package		Outer Package
Weight (kg)	Packing	Cardboard
0.5	Plastic Sheet	

10. Supplier Adress: **Weller Tools GmbH**
 Carl-Benz-Str. 2
 74354 Besigheim, Germany

11. In case of changing this specification it should be accepted by:
 Weller Tools GmbH, Besigheim Engineering department

12. This product is manufactured, using all guaranteed materials according to the legal law regulations.

13. Shelf life:
Up to two (2) years from the manufactured date (lot number).