

## Grosvenor Electronics (UK)

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# LEAD FREE SOLDER WIRES S-Sn99Cu1 GR100

## 1. General characteristics

S-Sn99Cu1 solder manufactured in the first melt of tin and copper according to EN-ISO 9453:2006 standard in continuous casting process in air-free environment; afterwards extruded, in order to eliminate oxide occurrence.

## 2. Chemical characteristics

2.1 Tin contents:	rest
2.2 Copper contents:	0,45 – 0,90%
2.3 Tin and copper of first smelting purity:	min 99,9
2.4 Max. Impurities:	

Cu	Pb	Cd	Sb	Bi	Fe	Zn	Al	As	other
-	0.10%	0.002%	0.05%	0.10%	0.02%	0.001%	0.001%	0.03%	0.08%

## 3. Physical characteristic

3.1 Melting point:	- 227°C (Cu0,7)
3.2 Density:	- 7.30 g/cm <sup>3</sup>
3.3 Assortment:	- rods, - bars - solid wires from 0,25 mm to 5,00 mm
3.4 Working temperature:	- more than 260°C

## 4. Packaging

- 4.1 Spooled wire 250 g, 500 g and 1 kg
- 4.2 Spools and cartons marked by kind of solder, diameter and batch number.
- 4.3 Marked with solder type and batch number
- 4.4 Rods - marked with solder type and batch number