



26. April 2006

## Technical Data Sheet

### Product Data SSC: Alloy S-Sn99.3 Cu0.7

## GENERAL CHARACTERISTICS

Soldering lead-free binary alloy used in the electronic industry.

- Eutectic alloy containing 0.7% copper with a 227 °C melting point
- Very good mechanical strength
- Bright alloy
- Very good electrical conductivity
- Lead free

STANDARD: International

Metal: ISO 9453

Flux ISO 9454.1

## PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>Copper rate, Cu:</b>	0,45 % to 0,9 %
<b>Tin rate, Sn:</b>	Rest
<b>Melting range:</b>	227 °C – 240 °C
<b>Specific Gravity:</b>	7.3
<b>Temperature:</b>	For iron soldering 315 °C - 370 °C
<b>Mechanical strength:</b>	Brinell hardness: 14 H.B.
<b>Electric conductance:</b>	14 % IACS
<b>Electrical resistivity:</b>	12 µcm

## SUPPLY FORMS

EDSYN GmbH Europa can supply this alloy as:

<b>Wire:</b>	Standard diameters: 0,5 / 0,8 / 1,0 and 1,5 mm
<b>Conditioning standard:</b>	DIN reel of 250 g, 500 g, 1 kg
<b>Solid or flux cored wires:</b>	F-SW 32 No-clean

## QUALITY INSURANCE

A certificate of analysis is issued with each delivery of the goods. Quality is assured by using the best materials and one of the most up to date manufacturing process with constant control in production.

