

# Electronic

# BALVER ZINN®

## Technical Data Sheet

## BALVER ZINN SOLDER WIRE

### SnPb LF3135 NC

Leaded cored solder wire with activated rosin flux

### General Information

**BALVER ZINN SOLDER WIRE SnPb 3135 NC** allows optimal soldering results with low flux contents. The standard flux content is 2.2 %. **BALVER ZINN SOLDER WIRE SnPb 3135 NC** is a no-clean formulation, despite its content of halides and can be used for difficult soldering applications without cleaning. Typical applications for **3135 NC** include manual soldering, automatic soldering and rework. **3135 NC** is offered in diameters from 0.3 mm to 3.5 mm and is available in leaded alloy **Sn63Pb37**. Additional leaded and lead-free alloys on request. The leaded alloy **Sn63Pb37 I** in accordance to **J-STD-006B!** Product contains SVHC substance Lead with more than 0,1 Mass%.

Further information is available in the **BALVER ZINN information "5 golden rules for hand soldering."** Technical information and Data Sheets can be found on our website ([www.BALVERZINN.com](http://www.BALVERZINN.com)). You can also obtain all information and documents directly from **BALVER ZINN**.

### BALVER ZINN Production Programme

The **BALVER ZINN** production programme also includes solder bar, solder pastes and flux. In addition to the **SN100C** product family, **BALVER ZINN** offers additional unpatented and patented solder alloys for wave soldering, reflow and rework.

### Product Properties

- Flux classified according to J-STD-004 as: **REM1**
- Solder classified according to EN 61190-1-3 as: **REM1**

### Physical and Chemical Properties of flux 3135 NC

<b>Acid value:</b> J-STD-004; IPC-TM-650, Method 2.3.13; 06/04 A	195mg KOH/g ± 5%
<b>Copper mirror test:</b> J-STD-004; IPC-TM-650, Method 2.3.32; 06/04 D	M
<b>Silver chromate test:</b> J-STD-004; IPC-TM-650, Method 2.3.33; 06/04 D	not passed
<b>Solid content, flux:</b> J-STD-004; IPC-TM-650, Method 2.3.34; 06/04 C	n. d.
<b>Bromide und Chloride Test:</b> J-STD-004; IPC-TM-650, Method 2.3.35; 06/04 C	1,00% ± 0,2
<b>Fluoride after spot test:</b> J-STD-004; IPC-TM-650, Method 2.3.35.1; 06/04 A	passed
<b>Insulation resistance:</b> J-STD-004; IPC-TM-650, Method 2.6.3.3; 06/04 B	> 1x10 E8 Ohm
<b>Corrosion test:</b> J-STD-004; IPC-TM-650, Method 2.6.15; 06/04 C	passed

### Available alloys

Alloy	Composition	Melting point (°C)
Sn60Pb40	Sn60Pb40	183 – 188
Sn60PbCu2	Sn60Pb38Cu2	183 – 190
Sn60PbAg2	Sn60Pb38Ag2	178 – 190
Sn63Pb37	Sn63Pb37	183

### Delivery Sizes

Weight	0.25 / 0.4 kg	0.5 / 1.0 kg	0.4 / 0.8 kg
Marking	63/37	BZ	K80
Height	63 mm	80 mm	80 mm
Outside diameter	63 mm	76 mm	80 mm
Inside diameter	11 mm	30 mm	16 mm
Reels./carton)	10	10	10

### Storage Conditions / Shelf life

Dry at room temperature / minimum 2 years shelf life.

### Safety Advice

Before use please refer to the appropriate safety Data Sheet.

Although the information in this data sheet is considered accurate, the measured values do not represent assured properties or delivery specifications. Because of the wide range of potential materials and applications, and with respect to possible protective rights and third parties, Balver Zinn Josef Jost GmbH & Co. KG **cannot** accept any liability.

### OUR GLOBAL DISTRIBUTION NETWORK

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