



General Information

BALVER ZINN SOLDER WIRE LF3135 NC is a new development for lead-free and leaded soldering applications, when halide-containing activators are allowed. **BALVER ZINN SOLDER WIRE LF3135 NC** allows optimal soldering results with low flux contents. The standard flux content is 2.2 %. **BALVER ZINN SOLDER WIRE LF3135 NC** is, despite its content of halides, a „no-clean“ formulation and can be used for difficult soldering applications without cleaning. Typical applications for **BALVER ZINN SOLDER WIRE LF3135 NC** are manual soldering, automatic soldering and rework. **BALVER ZINN SOLDER WIRE LF3135 NC** is available in diameters from 0.3 mm to 3.5 mm. **BALVER ZINN SOLDER WIRE LF3135 NC** is available in Sn63Pb and other lead containing alloys.

Further information are available in the **BALVER ZINN information „5 golden rules for hand soldering.“** Technical information and further Technical Data Sheets can be found on our website (www.BALVERZINN.com). And of course, 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 other 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**
- Bright and shiny solder joints with the lead free alloy SN100C
- Ensures good wetting and flow during the soldering process
- Clear, dry, non-sticky residues

Physical and Chemical Properties of flux LF3135 NC

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



Reels

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

Physical Properties of leaded Alloys

LF3135 NC is available with the following, leaded alloys:

Alloy	Melting point (°C)
Sn63Pb37	183
Sn60Pb38Cu2	183 - 190

Delivery Sizes

Parameter	Standard
Wire diameter (mm)	0.3 / 0.5 / 0.8 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0 / 3.5
Flux content (weight-%)	2.2

*Other diameters, flux contents and features on request.

Storage Conditions / Durability

Dry at room temperature / minimum 2 years shelf life.

Safety Advice

Before using please refer to the appropriate Material Safety Data Sheet.

The information in this Data Sheet is based on data considered accurate. The measured values stated are based on own measurements, but do not represent assured properties or delivery specifications. Because of the vast number of different materials and applications – also with respect to possible protective rights of third parties – Balver Zinn Josef Jost GmbH & Co. KG **cannot** accept any liability.



OUR GLOBAL PARTNERS FOR LEAD-FREE SOLDERS

Nihon Superior Co., Ltd
 Phone:+81(0) 6-63 80 11 21
 Fax: +81(0) 6-63 80 12 62
 E-mail:info@nihonsuperior.co.jp
 Web page:www.nihonsuperior.co.jp

DKL Metals Ltd., Avontoun Works
 Phone:+44 (0)1506-847710
 Fax: +44 (0)1506-848199
 E-mail:sales@dklmetals.co.uk
 Web page:www.dklmetals.co.uk

Florida CirTech, Inc.
 Phone:+1 (970) 346-8002
 Fax: +1 (970) 346-8331
 E-mail:b.gilbert@fctassembly.com
 Web page:www.fctassembly.com