

## SN97C-LF2220NC-StarCore

Rev: PRELIMINARY

Date	2021.11.15
Language	EN
SDS	950202



## SUMMARY

The RELO classified, halide-free, no-clean solder wire LF2220NC has been specially developed for lead-free repair and rework soldering.

Solder Wire	SN97C-LF2220NC-StarCore
<b>PROCESS</b>	
No-Clean process	9
Post-solder cleaning	8
Water soluble	1

INDUSTRY APPLICATION	
Standard electronics	6
Industrial electronics	8
Hi-Rel electronics (automotive)	9

PROCESS CAPABILITY	
Manual soldering	9
Robot soldering	9
Laser soldering	8
Wetting properties	9
Wetting time	9
Solderball formation	8
Flux spattering	9
Smoke formation	8
Tip lifetime	8
Shiny joint appearance	7
Cosmetic cleanliness	9
ICCT compatible	9
Conformal coating	7

Legend	
<i>Especially made for this purpose</i>	9 - 10
<i>Generally qualified for this purpose</i>	7 - 8
<i>Generally usable, but not the best choice</i>	5 - 6
<i>Generally not usable for this purpose</i>	3 - 4
<i>Wrong choice</i>	1 - 2

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

## Disclaimer:

The information given in this publication has been worked up to the best of the knowledge of Cobar as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

## CLASSIFICATION

DIN-EN-ISO-9454-1: 2016	1222
IPC-J-STD-004-A: 2004	RELO

## PROPERTIES

Flux code	2220	
Alloy code	SN97C	
Alloy composition	SnAg3Cu0.5	
Liquidus	[°C]	217
Solidus	[°C]	220
Recommended soldering temp.	[°C]	320 - 370
Acid number	[mg KOH/g]	220
Flux content	[% w/w]	2.2
Residues	Colorless	

## TEST REPORTS

Certificate of Compliance			Website
RoHS Compliant			Available
Application Note			EN/DE
Copper Mirror	IPC-TM-650 2.3.32		Pass
Halides	IPC-TM-650 2.3.33	[Silver Chromate]	Pass
Halide	IPC-TM-650 2.3.35.1	[Fluoride by Spot]	Pass
Copper Corrosion	IPC-TM-650 2.6.15		Pass
SIR	IPC-TM-650 2.6.3.3		Pass
ECM	IPC-TM-650 2.6.14.1		Pass

## PACKAGING AND STORAGE

Reels			
Label	63/37	BZ	K80
Weight [kg]	0.25 / 0.4	0.5 / 1.0	0.4 / 0.8
Height [mm]	63	80	80
External diameter [mm]	63	76	80
Internal diameter [mm]	11	30	16
Reels per carton	10	10	10
Standard wire diameter [mm]			0.3 - 3.5
Minimum shelf-life in months	4-10 °C		60