

SN100C3-395-90

Rev: 21.11

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Language English
SDS 950201



SUMMARY

The RELO classified, halide-free, no-clean cored solder wire SN100C3 395-90 is equipped with a specially tuned activator system to improve the soldering properties of the lead-free high-temperature solder SN100C3.

Solder Wire	SN100C3-395-90	
PROCESS		
No-Clean process	9	
Post-solder cleaning	8	
Water soluble	1	

INDUSTRY APPLICATION		
Standard electronics	7	
Industrial electronics	8	
Hi-Rel electronics (automotive)	7	

PROCESS CAPABILITY		
Manual soldering	8	
Robot soldering	8	
Laser soldering	7	
Wetting properties	8	
Wetting time	9	
Solderball formation	8	
Flux spattering	8	
Smoke formation	7	
Tip lifetime	8	
Shiny joint appearance	7	
Cosmetic cleanliness	8	
ICCT compatible	8	
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:
 This information is intended as advice to the best of our knowledge. The provided data is based on our own measurements, they do not provide any guaranteed properties nor are these delivery specifications. Due to the versatility of materials, applications and taking in consideration the industrial property rights of third parties, Balver Zinn Josef Jost GmbH & Co. KG cannot take any liability.

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

PROPERTIES		
Flux code	395-90	
Alloy code	SN100C3	
Alloy composition	SnCu3Ni	
Liquidus	[°C]	310
Solidus	[°C]	227
Recommended soldering temp.	[°C]	410 - 450
Acid number	[mg KOH/g]	-
Flux content	[% w/w]	2.2
Residues	Colorless	

TEST REPORTS	
Certificate of Compliance	Website
Declaration of Conformity 2011/65/EU (RoHS)	Website
Application Note	EN/DE

PACKAGING AND STORAGE		
Reels		
Label	K63	BZ
Weight [kg]	0.4	0.25 / 0.5 / 1.0
Height [mm]	63	80
External diameter [mm]	63	76
Internal diameter [mm]	11	30
Reels per carton	10	10
Standard wire diameter [mm]	ø	0.3 - 3.5
Minimum shelf-life in months	20-25 °C	60