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Language EN
SDS 950201



SUMMARY

The REL0 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.

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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]	227
Solidus	[°C]	310
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
RoHS Compliant	Available
Application Note	EN/DE

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]	ø		0.3 - 3.5
Minimum shelf-life in months	4-10 °C		60