

SN100CV-StarCore234-E

Rev: 24.6

Date 2025.09.04  
 Language English  
 SDS 950228



SUMMARY

The ROLO classified, no-clean solder wire StarCore234-E has been specially developed for lead-free repair and rework soldering.

Solder Wire	SN100CV-StarCore234-E	
<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	7	
Wetting properties	9	
Wetting time	9	
Solderball formation	7	
Flux spattering	7	
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.

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CLASSIFICATION	
DIN-EN-ISO-9454-1: 2016	1122
IPC-J-STD-004-A: 2004	ROLO

PROPERTIES		
Flux code	234-E	
Alloy code	SN100CV	
Alloy composition	SnBi1.5Cu0.7	
Liquidus	[°C]	225
Solidus	[°C]	221
Recommended soldering temp.	[°C]	320 - 370
Acid number	[mg KOH/g]	195
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	
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	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]	∅	0.3 - 3.5
Minimum shelf-life in months	20-25 °C	60

Disclaimer:

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