

PRODUCT DATA SHEET

CORE 92 No-Clean

Cored Wire Solder

Introduction

CORE 92 No-Clean Cored Wire Solder is manufactured to demanding quality standards. It is an excellent complementary product for rework with NC-SMQ®92J and Indium5.8LS solder pastes.

Features

- Halogen-free
- Optimized for use in both Sn/Pb and Pb-free processes
- Excellent wetting
- Low smoking

Product Description

Spool Weight	500g or 1 lb
Flux Percentage	1.6–2.2% by weight
Available Alloys	Per J-STD-006 Variation C 63Sn/37Pb 62Sn/36Pb/2Ag 96.5Sn/3.0Ag/0.5Cu

Wire Diameters

CORE 92 No-Clean Cored Wire Solder Length per Spool			
Wire Diameter	Sn62	Sn63	96.5Sn/3.0Ag/0.5Cu
.010" ± .002" (.254mm ± .051mm)	4,695ft (1,431m)	4,691ft (1,429.8m)	1,996ft (608m)
.015" ± .002" (.381mm ± .051mm)	2,087ft (636m)	2,085ft (635.5m)	2,087ft (636m)
.020" ± .002" (.508mm ± .051mm)	1,174ft (357.7m)	1,173ft (357.4m)	1,174ft (357.7m)
.032" ± .002" (.813mm ± .051mm)	459ft (139.8m)	458ft (139.6m)	459ft (139.8m)

Values are only approximate. Actual lengths will vary.

Bellcore and J-STD Tests and Results

Test	Result	Test	Result
J-STD-004-A (IPC-TM-650)		Bellcore GR-78	
Flux Type Classification	ROLO	SIR	Pass
Flux Induced Corrosion (Copper Mirror)	Pass	<i>All information is for reference only. Not to be used as incoming product specifications.</i>	
Presence of Halide Fluoride Spot Test	Pass		
Elemental Analysis (Br, Cl, F)	0%		
Corrosion	Pass		
SIR	Pass		

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Residue Removal

The flux in **CORE 92** is formulated for use in a no-clean assembly process. If cosmetics or the end use application requires removal of the post reflow residue, standard rosin-based residue removal techniques can be utilized. This includes, but is not limited to; spray-in air, immersion spray, vapor degreasing, or ultrasonic type cleaning processes.

Storage

CORE 92 has a shelf life of 3 years when stored in a dry, non-corrosive environment like a low humidity dry cabinet. Direct sunlight, excessive humidity, and storage near heat sources should be avoided.

Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Material Science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon, and paste. Indium Corporation's Technical Support Engineers provide rapid response to all technical inquiries.

Safety Data Sheets

The SDS for this product can be found online at <http://www.indium.com/sds>

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Contact our engineers today: askus@indium.com

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ASIA +65 6268 8678 • CHINA +86 (0) 512 628 34900 • EUROPE +44 (0) 1908 580400 • USA +1 315 853 4900

Form No. 97733 R6



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