

Product Data Sheet

CORE 230 No-Clean Cored Wire Solder



Features

- Optimized for use with Pb-Free assembly processes
- Fast and excellent wetting to Pb-Free surface finishes including, Immersion Ag, ENIG and OSP
- Bellcore GR-78 compliant
- Resistant to charring
- Minimal spattering & low odor

Residue Removal

The flux in **CORE 230** 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.

Introduction

CORE 230 wire solder is cored with a no-clean flux fully compatible with Indium's NC-SMQ230 Pb-Free solder paste. It contains a heat-stabilized rosin that provides excellent wetting and solder spread on various metallizations used in Pb-Free assembly processes.

Storage

CORE 230 has a shelf life of 3 years when stored in a dry, non-corrosive environment such as a low-humidity dry cabinet. Direct sunlight, excessive humidity and storage near heat sources should be avoided.

Product Description

Spool Weight	500g or 1lb
Flux Percentage	2.7-3.2% by weight
Available Alloys	Per J-STD-006 Variation C Sn95.5 Ag3.8 Cu0.7

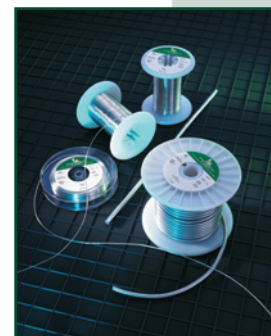
Wire Diameters

Core 230 Wire solder length per spool	
Wire Diameter	Sn95.5 Ag3.8 Cu0.7
0.010" ±.002" (.254mm ±.051mm)	1996ft (608m)
0.015" ±.002" (.381mm ±.051mm)	2087ft (636m)
0.020" ±.002" (.508mm ±.051mm)	1174ft (357.7m)
.032" ±.002" (.813mm ±.051mm)	459ft (139.8m)

Values are only **approximate**. Actual lengths will vary.

Technical and Customer 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.



Material Safety Data Sheets

The MSDS for this product can be found online at <http://www.indium.com/techlibrary/msds.php>

BELLCORE AND J-STD TESTS & RESULTS

Test	Result	Test	Result
J-STD-004 (IPC-TM-650)		Bellcore GR-78	
• Flux Type Classification	ROL1	• SIR	Pass
• Flux Induced Corrosion (Copper Mirror)	Pass		
• Presence of Halide Fluoride Spot Test	Pass		
• Corrosion	Pass		
• SIR	Pass		

All information is for reference only. Not to be used as incoming product specifications.

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products

described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices.

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