

## Product Data Sheet

# CW-201 RA Cored Wire Solder

### Features

- Optimized for use with Pb-Free and Sn/Pb assembly and rework processes
- Excellent wetting to common surface finishes including: ImmSn, ENIG, OSP and ImmAg
- Minimal spattering & low odor
- Resistant to charring
- Reduced smoking

### Introduction

**CW-201 Cored Wire Solder** is cored with a high reliability flux that is compatible with Indium's full line of Pb-Free and Sn/Pb soldering materials. It provides excellent solder spread with minimal smoking and low odor. The fast wetting speed is beneficial in minimizing rework cycle time which is typically longer with Pb-Free solders.

### Product Description

Spool Weight	500g or 1lb
Flux Percentage	2%
Available Alloys	Per J-STD-006A Variation C Sn96.5 Ag3.0 Cu0.5 (SAC305) Sn63Pb37

### Wire Diameters

Approximate Wire Solder Length per Spool	
Wire Diameter	Sn96.5 Ag3.0 Cu0.5 (SAC305)
0.010 ±.002" (.254mm ±.051mm)	1280m (4200ft)
0.015 ±.002" (.381mm ±.051mm)	618m (2025ft)
0.020 ±.002" (.508mm ±.051mm)	347m (1140ft)
.032 ±.002" (.813mm ±.051mm)	136m (445ft)

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

### Residue Removal

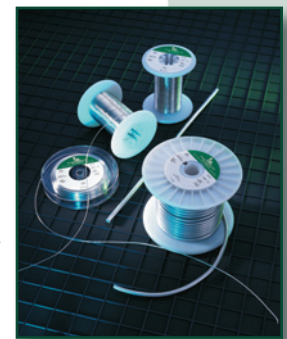
The flux in **CW-201** can be utilized in a no-clean process, passing IPC and Bellcore tests for SIR and electromigration. If cosmetics or the end use application requires removal of the post reflow residue, standard rosin-based residue removal techniques can be utilized. This includes but is not limited to, spray in air, spray, vapor degreasing or ultrasonic type cleaning processes.

### Storage

**CW-201** 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.

### 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-004A TESTING RESULTS

Test	Result	Test	Result
<b>IPC J-STD-004A</b> <ul style="list-style-type: none"> <li>• Flux Type Classification</li> <li>• Copper Mirror</li> <li>• Fluoride Spot Test</li> <li>• Corrosion</li> <li>• SIR</li> </ul>	ROM1 Type M Pass Pass Pass (>10 <sup>9</sup> OHM)	<b>Bellcore GR-78-CORE</b> <ul style="list-style-type: none"> <li>• Electromigration</li> </ul>	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, described which are sold subject exclusively to written warranties and limitations and shall not be construed, to warrant or guarantee the performance of the products thereon included in product packaging and invoices.

Form No. 98322 R1

[www.indium.com](http://www.indium.com)

[askus@indium.com](mailto:askus@indium.com)

ASIA: Singapore, Cheongju: +65 6268 8678  
 CHINA: Suzhou, Shenzhen, Liuzhou: +86 (0)512 628 34900  
 EUROPE: Milton Keynes, Torino: +44 (0) 1908 580400  
 USA: Utica, Clinton, Chicago: +1 315 853 4900



ISO 9001  
REGISTERED