

# AMTECH

Advanced SMT Solder Products

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An ISO 9001 Certified Company

## Product Data Sheet

### Water Soluble Solder Wire (WS-231)

#### Product Description

AMTECH WS-231 water soluble core wire is a halide-free, water soluble flux cored solder. Its post-soldering residue is water soluble and can be easily cleaned with DI water. Amtech water soluble core wire is recommended for use in any hand soldering application where high flux activity is desired.

#### Physical Properties

Standard Alloys: Sn63/Pb37, Sn62/Pb36/Ag2, Sn96.5/Ag3.5, & Sn96.5/Ag3.0/Cu.5  
Standard Roll Size: 1 LB  
Flux Solids Percentage: 16%  
pH: Neutral  
Standard diameters: .010", .015", .020", .025", .031", .040", .062"

#### Test to ANSI/IPC-J-STD-004 Results

Copper Mirror	Pass
Silver Chromate Paper	Pass
Corrosion	Pass
Polyglycols	None
Water Extract Resistivity (ohm-cm)	32,000
Flux Designation	ORH1

#### Flux Removal

Clean in water temperatures of 100F to 140F (37.8C to 60C)  
\*\*Material may be left on board a MAXIMUM of 8 (Eight) hours before cleaning\*\*

#### Safety

See the material safety data sheet for the appropriate safety procedures.

#### Packaging

Standard 1 lb. spools

#### Storage

The expected shelf life is at least 12 months when stored in normal conditions.

The information contained herein is based on technical data that we believe to be reliable and is intended for use by persons having technical skill, at their own risk. Users of our products should make their own tests to determine the suitability of each product for their particular process. AMTECH will assume no liability for results obtained or damages incurred through the application of the data presented.

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