



# TECHNICAL DATA SHEET

CATEGORY: **ROSIN SUPER ACTIVATED CORED WIRE**  
NAME: **RSA-601 WIRE**

## FEATURES

- HIGH ACTIVITY LEVEL
- SUPER ACTIVATED FLUX
- GOOD THERMAL TRANSFER
- GLYCOL FREE
- WIDE PROCESS WINDOW
- IMPROVED WETTING PROPERTIES

## DESCRIPTION

**AIM RSA-601 WIRE** is a super activated general-purpose wire solder for use in applications where activated fluxes are too weak. RSA-601 cored wire is strong enough for excellent tarnish and oxide removal, and will produce bright shiny solder joints. RSA-601 wire will leave moderate post process residues that may be left on non-critical applications, but should be removed from any critical applications.

## HANDLING

- RSA-601 cored wire has a 7 year shelf life when stored < 85°F (< 29°C).
- Store product in a clean dry area away from moisture and sunlight. Do not freeze this product.

## APPLICATION

- Solder iron tip temperature should be between 650° and 750°F for Sn63 and Sn62 alloys.
- Hold the solder iron at a 45° to 60° angle to the work surface.
- The solder iron should contact both the component lead and PCB pad surface.
- Solder and flux should flow onto both the lead and pad or lead and barrel to promote optimum flux activity to the joint being worked.

## CLEANING

- If post-process cleaning is desired, is easiest if performed within a two to three hour period.
- Adequate cleaning may be accomplished using a saponifier. AIMTERGE-520A is recommended.
- A temperature of 100°-150°F is sufficient for removing residues. An in-line or other pressurized spray cleaning system is suggested, but is not required.

## PACKAGING

- RSA-601 WIRE comes standard with a 3% flux core. Other flux cores %'s are available upon request.
- RSA-601 WIRE is available in Sn60, Sn62, Sn63, Sn96, CASTIN® and other custom alloys upon request.
- Standard spool sizes: ½ lb. for .010 and .015 diameters; 1 lb. for .020, .032, .040, .050, and .062 diameters. Other spool sizes and wire diameters are available upon special request.
- Packaging of ½ lb. and 1 lb. spools is standard in 12 lb. and 24 lb. cases.

## SAFETY

- Use with adequate ventilation and proper personal protective equipment.
- Refer to the accompanying **Material Safety Data Sheet** for any specific emergency information.
- Do not dispose of any waste materials in non-approved containers.

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