

## High Purity Wire Solder

Metallic Resources' SAC305 lead-free No-Clean wire solder is manufactured to exceed most common specification requirements, including: ASTM (American Society for Testing Materials), IPC (Association Connecting Electronics Industries), and Military and DOD requirements. The SAC305 alloy is Sn96.5/Ag3.0/Cu0.5. It is RoHS compliant and does not contain any substances of very high concern (SVHC). It is Halide-Free. Standard packaging is one-pound spools in .032" or .062" thickness.

## Reduces Cleaning Costs

No-Clean cored wire solder promotes superior solder penetration into plated through holes or surface mount interconnections drastically reducing or eliminating cleaning costs. With low to moderate post-process residues that are electrically safe, it is operator friendly and can easily be substituted for any RMA cored wire solder application. Residue that is left is clear and hard, leaving no visible or sticky residues.

## Exceeds Industry Standards

IPC J-STD-004  
Type RELO flux classification.

## Physical Properties

Melting Point	217°C
Density	7.4 g/cm <sup>3</sup>
Operating Temperature	250-275°C
Tensile Strength	52 M Pa
Tensile Elongation	27%
Thermal Conductivity	64 J/m <sup>2</sup> ·K
Electrical Resistivity	0.000015 Ohm-cm
Thermal Shock -10 to +100°C	> 1000 cycles

The product shelf life is indefinite when stored in a clean, dry area (72°F ± 10°F) away from moisture and sunlight. Do not store near fire or flames. Water soluble cored wire has no odor when in use.

## Wide Range of Uses

Metallic Resources' SAC305 lead-free No-Clean wire solder is specially designed for use in all hand soldering applications. It is primarily used for manual soldering and repair work of printed circuit board assembly operations common to the electronics market.



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