



No-Clean Cored Wire Solder Product Bulletin

High Purity Wire Solder

Metallic Resources high purity No-Clean Sn63 Cored Wire Solder exhibits a synthetic resin-based void-free flux core. Standard flux percentage is 2% by weight (1% and 3% flux percentages are available through special order). Standard packaging is on one pound spools, packed 12 spools per case, in .015", .020", .032", and .062" thickness. Other diameters and spool sizes are available.

Solid wire solder is also available in .125" thickness in 300 pound payoff packages upon special order.



Perfect for SMT

No-Clean Cored Wire Solder is ideally suited for manual assembly SMT (Surface Mount Technology), hybrid, and through hole touch up and repair applications.

Reduces Cleaning Costs

No-Clean Cored Wire Solder drastically reduces or eliminates cleaning costs. It complies with most current cleanliness standards. It promotes superior solder penetration into plated through holes or surface mount interconnections. No-Clean Cored Wire Solder has no odor when in use. 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.

Engineered for Ease of Use

Solder iron tip temperatures should be in a range of 650° F to 850° F for best results. The solder iron should be held at a 45° to 60° angle to the work surface. The iron should contact both the PCB pad surface and the component lead. The solder and flux should flow onto both the lead and pad (or barrel) to achieve the best flux activity for the joint being worked. If cleaning is desired, use saponified tap water or an alcohol and water blend. A water temperature of 140° is recommended.

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 flame.



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Standards Met

Metallic Resources No-Clean Cored Wire Solder passes BELLCORE and IPC standards and meets MIL SPEC requirements. Supporting data is available upon request. It is Telecommunication acceptable. This Wire Solder conforms to J-STD-004 and is rated ORL0. The Flux classification according to J-STD-004 is ROL1.

Superior Quality

Metallic Resources unique solders outshine all others to provide greater cost effectiveness, higher finished goods quality, and superior production line performance.



Recommendations made by this company and its representatives are based upon test data, experiments, and experience believed to be reliable. No guarantee of accuracy is made, however. All products are sold upon the condition that the buyer will make his own tests and assume the responsibility for the suitability of the product under his application and service conditions. Statements made herein will vary according to the nature of the surfaces to which the product is applied, application technique, and service condition. We in no event assume liability beyond the purchase price of our products involved and make as a condition of sale that we will refund the purchase price or replace materials proven to be defective and reported in a timely fashion, but no later than six (6) months after shipment. No representative of the manufacturer and/or seller has the authority to alter or extend these conditions.