

High Purity Wire Solder

Metallic Resources' high purity fully activated Sn63 RA (rosin activated) Cored Wire Solder is manufactured with a void-free flux core. Standard packaging is one-pound spools in .032" or .062" thickness. Metallic Resources' wire solder is manufactured to exceed most common specification requirements, including: ASTM (American Society for Testing Materials), IPC (Institute for Interconnecting Electronics Industries), and Military and DOD requirements.

Highly Active / Excellent Wetting

RA Cored Wire Solder's flux is strong enough for excellent removal of oxides and tarnish; producing bright, shiny solder joints. RA Cored Wire Solder stays highly active at soldering temperatures for excellent wetting properties resulting in superior flow. It is solvent soluble and exhibits low fuming and smoke characteristics.

Exceeds Industry Standards

IPC J-STD-004
Type ROM1 flux classification.

Physical Properties

Melting Point	361°F
Density	8.39 g/cm ³
Tensile Strength	7,700 psi
Tensile Elongation	32%
Thermal Conductivity	50.03 W/m•K
Electrical Resistivity	0.0000145 Ohm-cm

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.

Engineered for Ease of Use

Post process cleaning is recommended and should take place within two hours of application. Adequate cleaning may be accomplished by simply using a saponifier dip or in-line cleaning application. A temperature range of 100° F to 150°F will be sufficient to remove any residue. An inline or other pressurized spray cleaning system is recommended but is not required.



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