

49500WS



Sn100e Water Soluble Solder Wire

49500WS is an electronics grade solder wire. It uses a high-purity, eutectic 99.5% tin / 0.5% copper and cobalt alloy, with a water-soluble flux core.

It offers superior solder penetration into plated through-holes and surface mount interconnects. It is a suitable replacement for SAC305 solder because it forms brighter, shinier and less-grainy joints and is also less expensive.

It achieves a consistent solder and flux percentage due to our state-of-the-art extrusion wire-drawing machine, which continuously monitors the wire to prevent voids and ensure consistency, providing a top-grade solder wire.



Features & Benefits

Eutectic alloy (liquidus = solidus temperature)

Alloy exceeds J-STD-006C and meets ASTM

B 32 purity requirements

Flux meets J-STD-004B

Water soluble flux

Fast wetting and flowing

Low VOC

Available Packaging

Part #	Packaging	Gauge	Diameter	Net Wt.
49500WS-454G	Spool	21	0.032"	454 g

Storage and Handling

Store between 18 and 25 °C in a dry area, away from sunlight (see SDS).

Properties

Flux Classification	ORH1	J-STD-004B, MIL-F-14256F
Flux Type	Organic	J-STD-004B
Flux Activity	High	J-STD-004B
Solder Flux Color	Opaque	—
Surface Insulation Resistance (SIR)	>1.0 x 10 ⁹ Ω	IPC-TM-650 2.6.3.7
Acid Number (mgKOH/g sample)	180–200	IPC-TM-650 2.3.13
Halides (by weight)	>2 %	IPC-TM-650 2.3.35
Silver Chromate (Cl ⁻ + Br ⁻)	Detection	—
Softening Point of Flux Residue	60 °C	—
Shelf Life	10 y	—

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