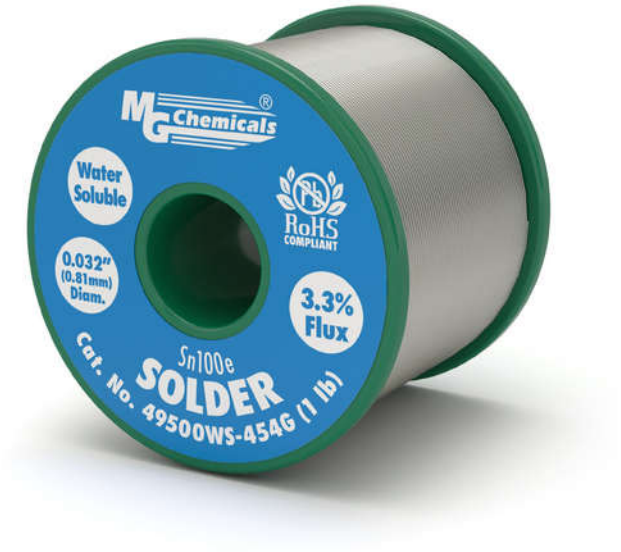
49500WS

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

Properties

Flux Classification	ORH1
Flux Type	Organic
Flux Activity	High
Solder Flux Color	Opaque
Silver Chromate–Cl^- + Br^-	Detection
Acid Number (mgKOH/g sample)	180–200
Softening Point of Flux Extract	60 °C
Halides (by weight)	>2 %
Surface Insulation Resistance (SIR)	>1.0 x 10^9 Ω

Available Packaging

Cat. No.	Packaging	Gauge	Diameter	Net Wt.
49500WS-454G	Spool	21	0.032"	454 g

Storage and Handling

Store refrigerated between 18–25 °C away from direct heat or sunlight.

Contact Information

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