4900

SAC305 No-Clean Solder Wire



4900 solder wire is an electronics grade and lead-free. It is complemented with a no-clean synthetically refined, splatter-proof resin flux core. This solder is a great alternative to leaded solders.

SAC305 solder 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.

Features & Benefits

- Alloy exceeds J-STD-006C and meets ASTM B 32 purity requirements
- Flux meets J-STD-004B
- Resin spreads like rosin-activated flux
- Non-corrosive and non-conductive residues
- Halide-free
- About 14% longer by weight than leaded solder wires
- Suitable for Use in Food Facilities as a Non-Food Chemical—Canadian and NFS recognition letters available on request

Available Packaging

Cat. No.	Packaging	Gauge	Diameter	Net Wt.
4900-112G	Spool	21	0.032"	112 g
4900-227G	Spool	21	0.032"	227 g
4900-454G	Spool	21	0.032"	454 g

Properties

Flux Classification	REL0	
Flux Type	Resin	
Flux Activity	Low	
Copper Mirror	No removal	
Corrosion Test	Pass	
Electromigration	Pass	
Silver Chromate–Cl^- + Br^-	Pass	
Flux Residue Dryness	Pass	
Acid Number (mgKOH/g sample)	190–210	
Softening Point of Flux Extract	24	°C
Solder Spread	130	mm^2
Splitting of Flux–Cored Wire Solder	0.30	%
Halides (by weight)	<0.05	%
Post Reflow Flux Residue	55	%
Suface Insulation Resistance (SIR)	2.3×10^{11}	Ω
Bellcore (Telecordia)	6.1×10^{11}	Ω

Storage and Handling

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

Contact Information

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Disclaimer

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