

Sn63/Pb37 No-Clean Solder Wires

4860–4865 solder wires are electronic grade and use the eutectic tin-to-lead alloy ratio, with a no-clean, synthetically refined, splatter-proof, resin flux core. They are the easiest solders to work with because it offers a low-melting temperature with a sharp melting/solidification point, which results in robust and reliable joints that are highly resistant to whisker formation.

They achieve a consistent solder and flux percentage thanks 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
- Flux meets J-STD-004B
- Spreads like rosin-activated flux
- Virtually non-splattering
- Non-corrosive and non-conductive residue
- Halide free

Available Packaging

Cat. No.	Packaging	Gauge	Diameter	Net Wt.
4860-18G	Pocket pack	21	0.032"	18 g
4865-227G	Spool	21	0.032"	227 g
4865-454G	Spool	21	0.032"	454 g

Contact Information

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Properties

Flux Classification	RELO
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 %
Surface Insulation Resistance (SIR)	2.3 x 10 ¹¹ Ω
Bellcore (Telecordia)	6.1 x 10 ¹¹ Ω

Storage and Handling

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

Disclaimer

This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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