4860–4865

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	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 18–25 °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.