

## 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. |
|-----------|-------------|-------|----------|---------|
| 4900-18G  | Pocket pack | 21    | 0.032"   | 18 g    |
| 4900-112G | Spool       | 21    | 0.032"   | 112 g   |
| 4900-227G | Spool       | 21    | 0.032"   | 227 g   |
| 4900-454G | 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 <sup>-</sup> + Br <sup>-</sup> | Pass                     |
| Flux Residue Dryness                              | Pass                     |
| Acid Number (mgKOH/g sample)                      | 190–210                  |
| Softening Point of Flux Extract                   | 24 °C                    |
| Solder Spread                                     | 130 mm <sup>2</sup>      |
| 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 <sup>11</sup> Ω |
| Bellcore (Telecordia)                             | 6.1 x 10 <sup>11</sup> 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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