Fine Braid Super Wick™

Description

Fine Braid Super Wick™ is a tightly woven, oxide-free copper braid coated with RMA flux. Its high purity and tight weave make it fast-wicking, quickly removing solder and minimizing dwell time.

It is suitable for general purpose solder removal, including reworking and repairing of circuit boards, benchtop repair and service, through-hole repair, and surface mount assembly touch-up.

Features and Benefits

- *Available in 1.0, 1.5, 2.0, 2.5 and 3.0 mm widths*
- *Available in 1.5, 7.5 and 15 m lengths*
- *ESD safe bobbins for 1.5 m size*
- *NSF—nonfood compounds program listed*

Selection Guide

Cat No.	Width		Length		ESD Safe Spools	Label Color Code
	in	mm	ft	m	anti-static	
423	0.04	1.0	5	1.5	Yes	WHITE
424	0.06	1.5	5	1.5	Yes	YELLOW
442	0.06	1.5	25	7.5	No	YELLOW
452	0.06	1.5	50	15	No	YELLOW
425	0.08	2.0	5	1.5	Yes	GREEN
443	0.08	2.0	25	7.5	No	GREEN
453	0.08	2.0	50	15	No	GREEN
426	0.10	2.5	5	1.5	Yes	BLUE
444	0.10	2.5	25	7.5	No	BLUE
454	0.10	2.5	50	15	No	BLUE
427	0.12	3.0	5	1.5	Yes	BROWN

Flux Properties

Physical Properties	Method	Value
Flux classification	Conforms to MIL-F-14256F J-STD-004	R (Rosin) ROL0
Flux percentage	—	<5%
Corrosion	JIS Z 3197 and QQ-SS-571d	Non-corrosive residue
Cleaning requirements	—	Recommended

Compatibility

Chemical—The flux residue from the Super Wick™ is inert under normal conditions. The flux residue can be cleaned with a flux cleaner like the MG 4140 or 413B.

Storage

Store between 22 to 27 °C [72 to 81 °F] in a dry area, away from sunlight. Keep away from moisture. Shrink wrapping is recommended for extended storage.

Health and Safety

Please see the 400 Series Safety Data Sheet (SDS) for further details on transportation, storage, handling, safety guidelines, and regulatory compliance.

Application Instructions

Wicking works best for the removal of surface solders. This desoldering method is not recommended for removal of solder in through plated holes. Choose a braid that matches the size of the solder to be removed. If there are small beads, choosing a wider braid will also speed up the desoldering process.

Removing surface solder:

1. Remove conformal coating or any contamination that may be present.
2. Heat up the soldering iron. For lead-free solder, start with tip temperature of about 315 °C (599 °F) and adjust as necessary.
3. (Optional) Apply flux to the lead or land area.
4. Set the braid on the solder to be removed.
5. Place the solder tip on the braid, avoiding contact with other components.
6. When wicking action has ended, remove the soldering iron and braid together from the surface.
7. Cut off the used section of the braid and discard.
8. Let the area cool, clean the tip with the sponge, and repeat removal steps as necessary.
9. Clean flux residue that may have accumulated.

Technical Support

Please contact us regarding any questions, suggestions for improvements, or problems with this product. Application notes, instructions and FAQs are located at www.mgchemicals.com.

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