MULTICORE

TECHNICAL DATA SHEET
FEBRUARY 2023

NC WICK

NC WICK is designed for de-soldering applications and repair of circuit boards, without the need for subsequent clean-up. NC WICK is a specially processed copper braid coated with a reduced volume of special halide free synthetic resin flux making the quantity of residue after use significantly less than conventional de-soldering wick. NC WICK will not lose its efficiency even after prolonged storage in humid conditions. It is made to remain flexible and will not flake. It is designed for use in manual reworking of soldered joints and is available in four braid widths allowing the use over a wide range of component types. NC WICK is recommended for reworking in telecommunications, consumer electronics and for professional applications.

FEATURES AND BENEFITS

- Wound on static dissipative spools
- Fast absorption of solder
- Reworked boards will meet the requirements of MIL-P-28809A without cleaning
- Negligible clear, non-corrosive residue
- Heat stable flux coating
- Vacuum packed

RELIABILTY PROPERTIES (FLUX)

Test	Specification	Test Method	Results
Copper Mirror Corrosion	IPC/J-STD-004A	2.3.32D	Pass
Chlorides & Bromides	IPC/J-STD-004A	2.3.33	Pass
Surface Insulation Resistance (SIR) (without cleaning)	IPC/J-STD-004A Bellcore TR-NWT-000078	2.6.3.7 13.1.4	Pass Pass
Electromigration (ECM) (without cleaning)	Bellcore TR-NWT-000078	13.1.5	Pass
Flux Activity Classification (without cleaning)	IPC/J-STD-004A ISO 9454		REL0 1.2.3

DIRECTIONS FOR USE

Place NC WICK over the solder requiring removal and place a hot soldering iron tip on top of the copper braid. The braid and solder beneath will gradually heat until the solder melts and is absorbed into the braid by capillary action. Remove the braid, cut off the solder-filled length and dispose of the contaminated copper properly. Sudden heat shock, which may be produced when using a preheated vacuum de-soldering tool, is prevented since the braid is cold when it first contacts the joint to be de-soldered.

Cleaning:
NC WICK is designed as a no-clean material, however some applications may require board cleaning for which MCF 800 cleaner may be used. PCBs de-soldered with NC WICK will pass the MIL-P-28809A cleanliness test without cleaning, provided a No Clean Flux and a clean system and components are used. PCBs will also pass this test if they have been cleaned after the soldering operation, provided they have been reworked using a No Clean flux in a clean environment.

PACKAGING

NC WICK is supplied in static dissipative spools conforming to both DOD Standard 1686 and DOC Handbook 263 for static discharge protection. It also meets the decay rate provision of MIL-B-81705B.
NC WICK is supplied in spools of 1.5m (5 ft). This allows convenient application and protects the user from heat. The spools are packed in cartons containing five vacuum packed sleeves, each sleeve containing ten static dissipative spools (a total of fifty spools per carton).
NC WICK is also available in 30m (100 ft) Econo-spools.

AVAILABLE OPTIONS

WICK Code	Approximate Width	Label Colour
NC-OO	0.89mm (0.035in) ± 10%	White
NC-AA	1.42mm (0.056in) ± 10%	Yellow
NC-AB	1.88mm (0.074in) ± 10%	Green
NC-BB	2.59mm (0.102in) ± 10%	Blue

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Storage:
It is recommended to store NC WICK in a dry environment at room temperature.

Shelf Life:
Provided NC WICK is stored as recommended above a minimum shelf life of 2 years can be expected.

GENERAL INFORMATION
For safe handling information on this product consult the relevant Safety Data Sheet (SDS)

Disclaimer
The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. HARIMA is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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