



# TECHNICAL DATA SHEET

## **Sn97Cu3 NCL30 Solder Wire**

Lead Free, No Clean, Halide Free



### Description

NCL30 Flux provided the fluxing activity levels that promote fast wetting and leaves clear residue with help of the NCL30 flux type. Halide free eliminates any long term corrosion potential.

For a high quality soldering, the purity of solder alloy and the correct flux with clear residue are the essential parts. Besides these properties, the working temperatures and the ultimate strength of the soldered joint are also important in soldering process.

**NCL30** can be used for difficult soldering applications like rework, repair and manual-automatic soldering.

**Sn97Cu3** Solder alloy with NCL30 flux type classified according to J-STD-004B and EN 61190-1-3 as **RELO**. Also this product suitable for the **RoHS II**.

NCL30's advantages:

- Excellent wettability
- Fast soldering
- High spread speed
- Clear residues
- High reliability
- Noncorrosive

### Technical Data & Physical Properties

<b>Properties (J-STD-006B)</b>	<b>NCL 30 Flux</b>
Acid Value IPC-TM-650, 2.3.13	195-200 mg KOH / g $\pm$ %5
Corrosion Test IPC-TM-650, 2.6.15	Passed
Copper Mirror Test IPC-TM-650, 2.3.32	L
Surface insulation resistance IPC-TM-650, 2.6.3.3	>1x10 E8 Ohm
Bromide and chloride Test IPC-TM-650, 2.3.35	Not detected
Silver Chromate Test IPC-TM-650, 2.3.33	Not Passed
Solid Content, flux IPC-TM-650, 2.3.34	Not detected
Fluoride after spot Test IPC-TM-650, 2.3.35.1	Passed



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Solder Composition:	Sn %97 ( $\pm 0,15$ ) Cu %3 ( $\pm 0,15$ )
Melting Point:	230 °C Solidus 300 °C Liquidus
Density:	7,34 g/cm <sup>3</sup>
Flux Content:	%1,1 - %2,2 - % 3
Available diameters:	from 0,4 mm

### Packaging & Reels

Kurtel Lead Free Solder Wire is available in nominal weights 500 gr reels in 10 kg packages.

( 500 gr ) Reels dimensions :

<u>Dimensions</u>	<u>500gr Reel</u>
Height	55 mm
Outside dia.	55 mm
Inside dia.	16 mm

### Storage & Shelf Life

Kurtel Solder Wires should be stored in dry at room temperature. Solder wire has an indefinite shelf life.

### Health & Safety

Before using please read the MSDS. Avoid contact directly by hand.