



**Bo'ness Road, Grangemouth**  
**Stirlingshire, FK3 9XF**  
**Tel: +44(0)1506 847710**  
**E-mail: [sales@dklmetals.co.uk](mailto:sales@dklmetals.co.uk)**  
**Internet: [www.dklmetals.co.uk](http://www.dklmetals.co.uk)**

## **Nihon Superior SN100C (030) Cored Solder Wire**



### **Description**

**Nihon Superior SN100C (030) Cored Solder Wire** is a general purpose, lead free, product applicable to a wide range of soldering applications. It is however particularly suited to sequential or robotic soldering applications due to it's innovative design. The flux system has been specially formulated to resist soldering iron tip wear and promote fast wetting speeds. The flux is carefully distributed throughout the core producing consistent repetitive results. The SN100C® silver free alloy produces bright shiny joints and cost benefits when compared to SAC Alloys.

### **Features**

Minimum flux charring

Silver free alloy formulation

Consistent flux distribution

### **Benefits**

Extended iron tip life  
Enhanced cosmetics

Fast wetting properties  
Potential cost savings over SAC wires

Higher productivity  
Less wastage

### **Properties**

Alloy composition SN100C®

Sn99.25,Cu0.7,Ni0.05  
ISO 9453:2020(E)

Liquidus  
Solidus

227°C  
227°C

|  |                             |
|--|-----------------------------|
| Flux Classification to J-STD-004B                        | ROL01                       |
| Flux Content   | 3% w/w                      |
| Halide Content   | Zero (Halide Free)          |
| Copper Mirror, IPC J-STD-004B TM-650 2.3.32              | L / No Corrosion            |
| Copper Corrosion, IPC J-STD-004B TM-650 2.6.15           | L / No Corrosion            |
| SIR 72hrs, IPC J-STD-004 TM-650 2.6.3.7                  | $1.7 \times 10^{10} \Omega$ |
| Electrochemical Migration, IPC J-STD-004B TM-65 2.6.14.1 | $5.3 \times 10^8 \Omega$    |

## Availability

**Nihon Superior SN100C (030) Cored Solder Wire** is available in all common diameters, 0.3mm, 0.4mm, 0.5mm, 0.6mm, 0.8mm, 1.0mm, 1.2mm and 1.6mm on 0.5kg reels. The preferred diameter for robotic soldering is 0.8mm.

## Health and Safety

Eye and skin protection should be worn when handling and using this material. Avoid breathing fumes that may be evolved during use. Ensure adequate extraction is provided in the workspace. For more detailed information consult the Material Safety Data Sheet (MSDS) which is available on request.

The information given in this technical data sheet is to the best of our knowledge accurate. It is intended to be helpful but no warranty is expressed or implied regarding the accuracy of such data. It is the user's responsibility to determine the suitability of his own use of the product described herein: and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as permission or as recommendations to practice any patented invention without a license from the patent owner nor as recommendation to use any product or to practise any patented invention without a license from the patent owner nor as recommendation to use any product or to practise any process in violation of any law or any government regulations.

Version 3, 28/04/2026

Take this opportunity to try out the Nihon Superior SN100C 030 Cored Solder Wire and start reaping the benefits. Contact [sales@dklmetals.co.uk](mailto:sales@dklmetals.co.uk) or call 01506 847710