



Ku Ping Enterprise Co., Ltd.

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Lead Solder Datasheet

Product Description

Our rosin-core solder wires, produced by hydrogenated process plus resinification, can be soldering with various materials. With its excellent features, our solder wires are suitable for soldering electronic components and reworking with efficient and effective results.

Product Name: Solder wire SN63/Pb37, SN60/Pb40

Shape: round

Size: diameters 0.3mm~0.6mm $\pm$ 0.05mm, 0.8mm~1.6mm $\pm$ 0.1mm

Appearance : single rosin core metal wire with 2% flux

Packing : 1kg or 0.5kg each reel, 10kgs or 5kg each carton

Markings on Master carton: Composition %, Batch No., Net weigh

Features: shinning soldering spots, non-corrosive, odorless,
less residue and time-saving

Methods of operation : manual or automatic

Chemical Compositions

Sn Tin	Pb Lead
63%	Impurities
60%	

Impurities WT%

Sb Antimony	Cu Copper	Bi Bismuth	Zn Zinc	Fe Iron	Ni Nickel	Al Aluminum	As Arsenic	Cd Cadmium
0.1	0.05	0.05	0.003	0.002	0.001	0.005	0.03	0.002

Melting points and Gravity:

Sn63/Pb37		Sn60/Pb40
Melting point	183°C	191°C
Gravity	8.4	8.5

Physical properties of Flux

SOLID FLUX CONTENT WT %	2% ~ 2.2%
CHLORIDES CONTENT WT %	0.3% 0.4%
CONDUCTIVITY Ωm	OVER 500 Ωm
SPREADABILITY %	OVER 90%
FLUX PH	PH 5.5
FLUX INSULATION RESISTANT	1X10 ¹⁰ OVER
FLUX MELTING POINT	95 °C
CORROSION TEST	PASS
DRYNESS	PASS

Suggestion: When using soldering iron, suggested temperature 280°C to 450°C E

Expiration : 5 years since manufactured date

Heath and safety: store in good air-condition environment. For further information, please refer to Ku Ping' s MSDS.