


Update: 24/01/2019	TECHNICAL DATA SHEET	
Ref: Wire	Solder Wire	
Created on: 09/02/01	Sn95.5Ag3.8Cu0.7 S45V	



GENERAL CHARACTERISTICS:

This ternary soldering alloy is produced from 'first melting' tin, silver and copper and conforms to standards ISO 9453 : alloy n° 713.

CHEMICAL CHARACTERISTICS:

Amount of Tin : Rest
Amount of Silver : 3.8 % ± 0.3 %
Amount of Copper : 0.7 % ± 0.2 %
Tin, Silver and Copper of high purity
Type of cored flux : **S45V**
Amount of cored flux : available in 1.2% (standard). Other: consult us.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

ALLOY : Sn95.5Ag3.8Cu0.7

Melting point : Eutectic 217°C
Specific weight : 7.4 g/cm³
Wire diameter : from 0.3 mm to 6 mm

FLUX : S45V

Synthetic resin.
Halide content : 0 %
Acid value: 230 mgKOH/g
Non corrosive (Complies with copper mirror test)
S45V flux is classified **RELO** according to J-STD 004.
Solderability : good on copper and excellent onto surfaces of tin and lead.
Low spattering

USING CHARACTERISTICS:

Working temperature : 300°C to 450 °C

PACKAGING / STORAGE:

Solder wire : Various types of reels available adapted to Customer's needs.
Depending on diameter and length.
Other product shape : On request
Storage : In original packaging at room temperature for 12 months.

SAFETY:

Material Safety Data Sheet available on request.
Please consult it before use.

ADDITIONAL INFORMATION:

Quality Certificate available on request.
Our manufacturing processes have been subjected to FMECA analysis (equivalent of AMDEC in France).



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