

Update: 23/01/2019	TECHNICAL DATA SHEET	
Ref: Wire	Solder Wire	
Created on: 03/05/2001	Sn96.5Ag3.5 HC3	



GENERAL CHARACTERISTICS:

This binary soldering alloy is produced from 'first melting' tin and silver and conforms to standards ISO 9453 : alloy n° 703.

A high quality binary alloy for mechanical or electrical applications which demand lead free solders on difficult-to-solder surfaces composed of tin and silver. It is an efficient suitable alternative to Tin/Lead. Others benefits are increased joint strength. It highly recommended removing residues after soldering.

CHEMICAL CHARACTERISTICS:

Amount of Tin : Rest
Amount of Silver : 3.5 % ± 0.2 %
Tin and Silver from first melting
Type of cored flux : HC3
Amount of cored flux : available in 2.4% and 3 % (standard). Other: consult us.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

ALLOY : Sn96.5Ag3.5

Melting point : Eutectic 221°C
Specific weight : 7.3 g/cm³
Wire diameter : from 0.7 mm to 5 mm

FLUX : HC3

Water soluble highly activated
Halide: 6.5 %
Residues must be cleaned with water after soldering
Classification : INH1 (J-STD 004)

USING CHARACTERISTICS:

Working temperature : 350°C to 420 °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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