

ALFA E CORED SOLDER WIRE

FEATURES

ALFA E cored solder wire is produced in many different lead-bearing alloys and also in the main lead-free alloys; it contains three cores of mildly activated rosin, that allow a fast soldering even in presence of difficult surfaces. The alloys 60Sn40Pb and 50Sn50Pb contain a percentage of copper that prevents the corrosion of solder tips.

We use a hydrogenated rosin (higher purity than WW grade) in a quantity ranging 2,2 +/- 0,2%. Different flux % available upon request

ALFA E cored solder wire complies to **ISO 9453:1990 (E) (alloys)** and **DIN EN 29454.1, 1.1.3.B (F-SW32). (flux activation)**.

Flux classification according IPC J STD-004B: R0L1

APPLICATIONS

ALFA E cored solder wire is used in electronics, telecommunications, avionics and generally where fast and reliable joints are required.

PACKAGING

Industrial use: all diameters from 0,5 mm up to 8 mm., standard 1 Kg spools.. 250/500 gr., 3Kg.(2,5Kg for lead-free) Spools available upon request.

For bench distribution: 1 mm. - 3 mm., in 250-500 gr. spools

Standard composition of the alloys according ISO 9453: 2014 (E) .

Nr le- ga	Denominazione	punto / inter- vallo di fu- sione °C	Sn	Pb	Sb	Bi	Cd	Cu	In	Ag	Al	As	Fe	Zn	Ni
401	Sn99,3Cu0,7	227	Resto	0,07	0,10	0,10	0,002	0,5-0,9	0,10	0,10	0,00 1	0,03	0,02	0,00 1	0,01
402	S-Sn97Cu3	227- 310	Resto	0,07	0,10	0,10	0,002	2,5-3,5	0,10	0,10	0,00 1	0,03	0,02	0,00 1	0,01
162	Sn50Pb49Cu1	183- 215	49,5- 50,5	Resto	0,20	0,10	0,002	1,2-1,6	0,10	0,10	0,00 1	0,03	0,02	0,00 1	0,01
702	Sn97Ag3	221- 224	Resto	0,07	0,10	0,10	0,002	0,05	0,10	2,8-3,2	0,00 1	0,03	0,02	0,00 1	0,01
171	Sn62Pb36Ag2	179	61,5- 62,5	Resto	0,20	0,10	0,002	0,08	0,05	1,8-2,2	0,00 1	0,03	0,02	0,00 1	0,01
501	Sn99Cu0,7Ag0,3	217- 227	Resto	0,07	0,1	0,06	0,002	0,5-0,9	0,10	0,2-0,4	0,00 1	0,03	0,02	0,00 1	0,01
711	Sn96,5Ag3Cu0,5	217- 220	Resto	0,07	0,1	0,1	0,002	0,3-0,7	0,1	2,8-3,2	0,00 1	0,03	0,02	0,00 1	0,01

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