

ALPHA® Cored Wire

Cored wire that sets a new standard in Cpk reliability.

The ALPHA® range of quality solder wires for no-clean, water-soluble and RMA processes is specifically designed for hand soldering, component attach and touch-up for surface mount technology. All products are manufactured to ISO 12224-1 specification and test methods.

[ALPHA® Cored Wire Selector Guide - Americas & Asia-Pacific Regions](#)

[ALPHA® Cored Wire Selector Guide - Europe](#)

ALPHA® Cored Wire Selector Guide - Americas & Asia-Pacific Regions

Alloy / Flux Chemistry / Flux % combination								
J-STD-006A	Alloy description	Solidus / liquidus temp F	SMT +	Telecore +	Cleanline 7000	Reliacore 15	Energized +	Pure Core
			Bellcore TR-NWT-000078	Bellcore TR-NWT-000078	Bellcore TR-NWT-000078	QPL Listed 571-28-89 RMA	QPL Listed 571-28-89 RA	Water Soluble
			ROL0	ROL0	ORM0	ROL1	ROM1	ORM1
Sn63Pb37A	Sn63Pb37	361 eutectic	1.1%,2.2%	1.1%,2.2%	1.1%,2.2%	2.2%,3.3%	2.2%,3.3%	2.2%,3.3%
Sn60Pb40A	Sn60Pb40	361 - 376				2.2%,3.3%	2.2%,3.3%	
Sn62Pb36Ag2B	Sn62Pb36Ag2	354 eutectic		1.1%,2.2%	2.2%			
Sn40Pb60A	Sn40Pb60	361 - 460					2.2%,3.3%	
Sn10Pb88Ag2B	Sn10Pb88Ag2	514 - 554					2.2%	
Sn5Pb93.4Ag1.5B	Sn5Pb93.4Ag1.5	565 - 574					2.2%	
Sn96.5Ag3.5B	Sn96.5Ag3.5	430 eutectic		2.2%,3.3%				

Vaculoy SAC 305	Sn96.5Ag3.0Cu0.5	423 - 426	2.2%,3.3%	2.2%,3.3%				3.3%
Sn99.3Cu0.7B	Sn99.3Cu0.7	442 eutectic		2.2%,3.3%				
Vaculoy SACX0307	SACX0307	423 - 442	2.2%,3.3%	2.2%,3.3%		2.2%,3.3%	2.2%,3.3%	3.3%
Industry Classifications		J-STD-004	ROL0	ROL0	ORM0	ROL1	ROM1	ORM1
		IPC-SF 818	L3CN	L3CN	M3CN	L3CN	M2CN	H3C
		ISO 12224	1.1.3	1.1.3	2.1.3	1.1.2	1.1.2	2.1.2

ALPHA® Cored Wire Selector Guide - Europe

			STANDARD FLUXES						
			FT-2002	Fluitin AS	Telecore +	SMT	FLUITIN1532	RS7MI	PureCore (Water Soluble)
		Melting or	ORL0	ROL0	ROL0	ROM0	ROM1	ROM1	ORM1
	Alloy	Solidus / Liquidus	None	None	<0.02%	None	0.80-1.10	1.45-1.80	2%
		Temp. °C	230-270			350-410	170-190	175-195	
LEAD-FREE STANDARD ALLOYS	SAC305	217-221	122,133	122,133	122,133	111,122	122,133		133
	SACX0307	217-228				111,122	122,133	133	
	SAC387	217-220			122				
	SAC405	217-225		122,133		111,122	122,133		
	Sn96.5/Ag3.5	221						122,133	
	SN99 CU1	228	122			122	122,133	122,133	
	Fusaloy No3	217 - 280							
	SN97 CU3	228-310					122	122,133	

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