

KT FLORIDA CIRTECH

SOLDER WIRE



Cored solder wires are available in variety alloy with high efficiency flux. The special combination of proven activators and wetting properties guarantee the very best soldering quality in automatic and manual soldering process.

LEAD FREE ALLOY SOLDER WIRE

Type Alloy	Composition	Melting range (°C)	Operation Temperature (°C)	Diameter Size
SC07	Sn99.3/Cu0.7	227	255 ~ 400	0.25 ~ 7.0mm
SAC0307	Sn99/Ag0.3/Cu0.7	217 ~ 227	255 ~ 350	
SAC305	An96.5/Ag3.0/Cu0.5	217 ~ 219	255 ~ 350	

* Other Alloy Composition by Request, available in cored flux and solid wire

LEADED ALLOY SOLDER WIRE

Type Alloy	Composition	Melting range (°C)	Operation Temperature (°C)	Diameter Size
63/37	Sn63/Pb37	183	240 ~ 260	0.25 ~ 7.0mm
60/40	Sn60/Pb40	183 ~ 190	240 ~ 260	

* Other Alloy Composition by Request, available in cored flux and solid wire

Flux Type	Description
SD - 61	RMA (Rosin Mildly Activated) solder wire, it exhibits fast wetting and suitable for soldering brass, copper wire and terminal, wire harness, and PCBA.
SD - 82	Solder wire SD-82 is a No clean solder wire, clear residue, suitable for PCBA and rework soldering.
SD - 92	Solder wire SD-92 is a No clean solder wire, clear residue, with improved wettability for lower cycle soldering time, suitable for PCBA also for rework soldering.
SD - 80HF	Halide Free, No Clean solder wire.
WS - 102	High activity Water soluble core flux wire suitable for copper tube or pipe soldering.
AC - 93	For soldering aluminium metal (Al to Cu, Al to Al).

- Stable flux content and No Void core flux wire
- Excellent Wetting in Standard Process and Speed Application
- Single and Multicore Possible
- Best Cost Efficiency

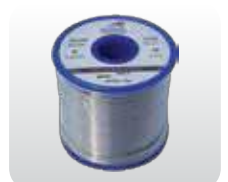
Solder Wire Delivery Forms



250Gr



500Gr



1Kg



Doped with optimum amount of antioxidant in special manufacturing process could eliminate solder dross generated rapidly during soldering process. For wide range of electronic application such as wave soldering application, and dipping solder.

LEAD FREE ALLOY SOLDER BAR

Type Alloy	Composition	Melting Range(°C)	Operation Temperature (°C)	Product Dimensions (L x W x H)	Weight Information
SC07	Sn99.3/Cu0.7	227	255 ~ 400	Extrude : 385mm x 20mm x 9mm	- Bar Jumbo : ± 5 Kg - Extrude : ± 0,5 Kg
SC02	Sn99.8/Cu0.2	227	255 ~ 400		
SAC0307	Sn99/Ag0.3/Cu0.7	217 ~ 227	255 ~ 350	Jumbo : 400mm x 70mm x 30mm	
SA03	Sn99.7/Ag0.3	217	255 ~ 350		
SAC305	An96.5/Ag3.0/Cu0.5	217 ~ 219	255 ~ 350	Casting : 310mm x 30mm x 20mm	
SA3	Sn97/Ag3.0	221	255 ~ 350		
SnBi	Sn42/Bi58	138	200 ~ 300		

LEADED ALLOY SOLDER BAR

Type Alloy	Composition	Melting Range(°C)	Operation Temperature (°C)	Product Dimensions (L x W x H)	Weight Information
63/37	Sn63/Pb37	183	240 ~ 260	Extrude : 385mm x 20mm x 9mm	- Bar Jumbo : ± 5 Kg
60/40	Sn60/Pb40	183 ~ 190	240 ~ 260	Jumbo : 400mm x 70mm x 30mm	- Casting : ± 1 Kg - Extrude : ± 0,5 Kg
50/50	Sn50/Pb50	183 ~ 212	240 ~ 260	Casting : 310mm x 30mm x 20mm	
40/60	Sn40/Pb60	183 ~ 247	240 ~ 280		

* Other Alloy Composition by Request

- Less Dross Generated
- Suitable for Wave Soldering and Dipping Soldering
- Excellent Solder and Wetting
- Best Cost Efficiency

Dross Comparison



Low Dross

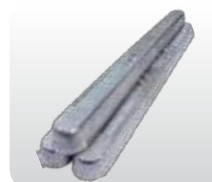


Standard

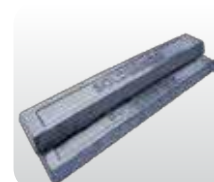
Solder Bar Delivery Forms



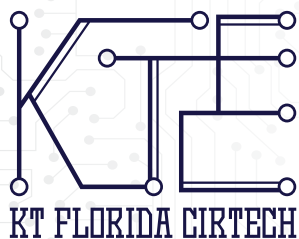
Extrude



Casting



Bar Jumbo



SOLDER PASTE



We provide Solder Paste for SMT process and repair. Consistency flux is the key to advance our solder paste formulation. With stringent processing controls we ensure its solder paste result never varies.

LEAD FREE ALLOY SOLDER PASTE

Type Alloy	Composition	Melting range (°C)	Powder Size	Flux Content
Sn42Bi57Ag1	Sn42/Bi57/Ag1	139	20 ~ 38 μ m 25 ~ 45 μ m	10 ~ 12,5 %
SAC0307	Sn99/Ag0.3/Cu0.7	217 ~ 227	20 ~ 38 μ m 20 ~ 45 μ m	
SAC305	Sn96.5/Ag3.0/Cu0.5	217 ~ 219	20 ~ 38 μ m 20 ~ 45 μ m	
SAC105	Sn 98.5/Ag1/Cu0.5	217 ~ 227	20 ~ 38 μ m 20 ~ 45 μ m	

LEADED ALLOY SOLDER PASTE

Type Alloy	Composition	Melting range (°C)	Powder Size	Flux Content
SnPb 63/37	Sn63/Pb37	183	20 ~ 38 μ m	10 ~ 12,5 %
SnPbAg	Sn62/Pb36/Ag2	179	20 ~ 45 μ m	

- Very Stable Solder Paste Viscosity
- For High End Printing Applications
- No Slump
- Long Tackiness
- Excellent Wetability
- Possible to Use It Again While in Stencil

Solder Paste Delivery Forms



1 Pot = 500Gr



We supply a complete range of fluxes. Consistency of soldering process is depend on flux quality. It must prepare the surface to be soldered for the actual soldering process as well promote wetting.

Type	Specific Gravity	Solid Content	Application
MR-825HF	0.825	17%	PCBA Wave Soldering
GR-808HF	0.808	3%	PCBA Wave Soldering
GR-822HF	0.822	8%	PCBA Wave Soldering
NC-805	0.805	3%	PCBA Wave Soldering
GR-302	0.815	13%	Wire Tinning
WH-223	0.805	2%	Wire Tinning
WH-1055	0.808	-	Wire Tinning
WH-3055WS	0.855	-	Wire Tinning
R-365	0.798	-	Flux Residue Remover
Solvent S-99	0.773	-	Flux Diluent
PVR 135	0.803	-	Solar Panel Assembly Flux
AC -93	1.264	-	Aluminium Soldering Flux
CB-3330	1.200	-	Copper Brass Radiator Assembly Flux, In Concentrate Form
CW-3163	1.015	-	Copper Wire Tinning
FF-1188	1.314	-	Steel Soldering Flux
SS-2525	1.258	-	Stainless Steel Soldering Flux
LB-1090	1.076	-	Stained Glass Frame Soldering for Zinc Material

- High Quality Flux
- Eco Friendly
- Meet the Thoughtest Industry Requirements
- No Corrosive Electronic Flux Residues

Flux Delivery Forms



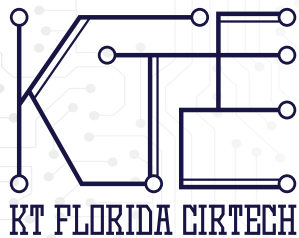
1 Liter



5 Liter



20 Liter



REWORK FLUX

Suitable for wide range of rework application, compatible with our Leaded and Lead Free Solder Products. Improve Soldering performance.

Properties	PF 622	PF 635	Flux Pen
Appearance	Gelatinous	Gelatinous	liquid
Specific Gravity	1.0 g/ cc	1.0 g/ cc	0.858 g/ cc
Color	Pale Yellow	Clear transparent	Clear transparent
Odor	Slight Rosin Odor	Odorless	Slight Rosin Odor
Viscosity	120.000 cP	300.000 cP	3.26 cP
Solid Content	60%	55%	15%
pH	5	5	5

- For Reworks and Touch Up of SMT, SMD, and Through Hole Solder Joints
- No Corrosive

Paste Flux



Flux Pen



Pot



Syringe



Lotfett



Tip Refresher



Made from high quality and high purity lead manufactured in our own factory facility. The process of lead alloy have separated treatment from our Lead Free product to ensure no contamination. Lead alloy available in shape ingot, bar jumbo, wire, and other shape.

Type / Chemical composition	Lead Alloy 1/2 C	Lead Alloy E	Pb/Sb1.5/Sn0.5	Pb/Sb5/Sn0.5
Lead (%)	Remainder			
Antimony (%)	< 0.005	0.15 ~ 0.25	1.4 ~ 1.6	4.5 ~ 5.5
Tin (%)	0.18 ~ 0.22	0.35 ~ 0.45	0.5	0.5
Cadmium (%)	0.06 ~ 0.09	< 0.02	< 0.005	< 0.005
Arsenic (%)	< 0.005	< 0.005	< 0.025	< 0.025
Silver (%)	< 0.005	< 0.005	< 0.1	< 0.1
Copper (%)	< 0.06	< 0.06	< 0.03	< 0.03
Bismuth (%)	< 0.05	< 0.05	< 0.5	< 0.5
Zinc (%)	< 0.002	< 0.002	< 0.003	< 0.003
Application	Cable Sheathing		Acessories, bullet, fishing tackle casting	

- Easy to extract
- Easy to smelt
- Highly malleable



Lead Alloy E



Lead Alloy 1/2 C



Made from high quality and high purity tin manufactured in our own factory facility.

Specification		Shape
Sn 99.9%	50 ppm Pb Max	Anode Bar, Ball, Nugget, Tin Shot
Sn 99.99%	100 ppm Total Impurities Max	

* Custom Tin Anode Shape by Request

Type	L (mm)	W (mm)	H (mm)	Weight	Diameter (mm)	Hole (mm)
Anode Bar	550	150	15	9 Kg	-	13
Anode Bar	500	100	20	7 Kg	-	20
Anode Bar	800	100	20	11.5 Kg	-	13
Nugget	26	26	10	45 Gram	-	-
Anode Ball	-	-	-	20 Gram	18	-
Button a	-	-	-	40 Gram	22	-
Button b	-	-	-	40 Gram	25	-

- Use by Most Efficient Plating Factory
- Best Cost Efficient
- Shipment Come With a Certificate of Analysis

Tin Anode Forms



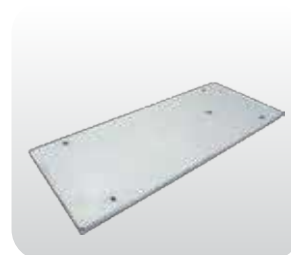
Tin Ball



Tin Shot



Nugget



Tin Anode Bar