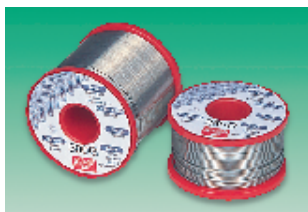


Solder — continued

Crystal Cored 60/40 Alloy



- Halide free version Crystal 400
- Halide activated Crystal 511 (1.1% Halide)
- Fast soldering
- Good spread on copper brass and nickel
- Clear residues
- Heat stable - low fuming and low spitting
- Mild odour
- Melting temperature 188°C (bit temperature approximately 340°C)

SOL17

Crystal 400 (Halide free)

250g Reels	Order Code	1+	5+	10+	20+
0.91mm	609-950				
0.71mm	609-961				

500g Reels	Order Code	1+	5+	10+	20+
0.91mm	609-973				
0.71mm	609-985				

Crystal 505

500g Reels	Order Code	1+	5+	10+	20+
0.91mm	329-4158				
0.71mm	329-4160				

Crystal 511 (contains Halide)

250g Reels	Order Code	1+	5+	10+	20+
0.91mm	609-997				
0.71mm	610-008				

500g Reels	Order Code	1+	5+	10+	20+
0.91mm	610-010				
0.71mm	610-021				

Smart Wire



- Silver loaded solder
- 62/36/2 tin/lead/silver
- Good resistance to thermal fatigue
- Minimises silver leaching from plated terminations
- Non-corrosive residue
- Designed to optimise hand soldering of surface mount components
- Melting temperature 179°C
- Bit temperature approximately 320°C

SOL113

250g Reel, 26swg/0.46mm

Mftrs. List No.	Order Code	1+	5+	10+	20+	40+	100+
SMART26	419-503						

No Clean, Low Fuming X38, X39 Flux



- Low flux content (1%)
- Specially formulated to compliment "no clean" wave and reflow soldering processes
- Halide free
- Low fuming and low spitting
- Limited flux residues meet reliability requirements of Bellcore and IPC Class 3 specifications
- Melting temperature 188°C

- Bit temperature approx. 308°C
- Suitable for repair work following a cleaning process to eliminate the need for further cleaning

X39 Flux

- Aggressive
- Acts marginally better on copper than X38
- Leaves turbid residue
- Wets brass very effectively

X38 Flux

- Leaves clear residues
- Good post production inspection

SOL008

mm	Length (m)	Order Code	Price Per Reel					
			1+	5+	10+	20+	40+	100+
X38, 250g Reels								
1.22mm	30	289-796						
0.71mm	89	289-802						
X38, 500g Reels								
1.22mm	61	289-814						
0.71mm	178	289-826						
X39, 250g Reels								
1.22mm	30	289-838						
0.71mm	89	289-840						
X39, 500g Reels								
1.22mm	61	289-851						
0.71mm	178	289-863						

No Clean X52 flux



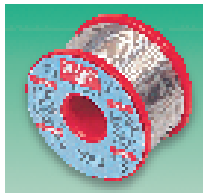
- X52 cored 60/40 tin/lead solder
- Nominal flux content (1%)
- Negligible residues eliminate cost of cleaning
- Non-corrosive
- Offers fast and sustained soldering on copper and brass
- Conforms to EN29453 and S-Sn60Pb40E
- Specially formulated to compliment no clean wave and reflow soldering processes where extra activity is required

- Also can be used to repair after a cleaning process to eliminate the need for further cleaning
- Recommended tip temperature 340-420°C

SOL217

mm	Order Code	Price Per Reel				
		1+	5+	10+	20+	40+
250g Reels						
1.22mm	904-533					
0.71mm	904-545					
500g Reels						
1.22mm	904-557					
0.71mm	904-569					

High and Low Melting Point



High Melting Point

- Suitable to solder products that will operate under high temperatures in working life
- Used for selective soldering of adjacent components during multi-stage board assembly
- Contains 5% tin, 93.5% lead, 1.5% silver
- Melting temperature 301°C
- Recommended junction temperature 356°C
- Bit temperature approximately 421°C

Low Melting Point

- Slightly lower melting point than standard 60/40 solder
- Superior wetting and electrical conductivity
- Contains 62% tin, 36% lead, 2% silver
- 2% silver content prevents leaching and the formation of brittle joints during soldering of silver and gold plated surfaces
- Melting temperature 179°C
- Bit temperature approximately 299°C

SOL067

mm	Length (m)	Mftrs. List No.	Order Code	Price Per Reel					
				1+	5+	10+	20+	40+	100+
Low Temperature 179°C									
250g Reels									
0.71mm	93	DLMP222	419-540						
0.56mm	150	DLMP242	419-552						
0.46mm	224	DLMP262	419-564						
500g Reels									
1.22m	63	DLMP	419-576						
0.71mm	165	DLMP225	419-588						
High Temperature 301°C									
500g Reels									
1.22mm	46	DHMP	419-590						