Solder Wire

DURATOOL

Specifications:

Rosin Activated (RA) Flux:

It is a high activity core flux designed for excellent instant wetting action, even on Nickel surfaces. Although it is a RA-based material, the residues are non-corrosive if not cleaned. Per J-STD-004. Classified as ROM1 flux.

Water Soluble Flux:

It is a high-activity water-soluble core flux for soldering difficult metals. It is designed for optimal cleanability, along with minimal smoke and odor. Its residues must be removed.

It is classified as ORH1 per J-STD-004.

Rosin Mildly Activated (RMA) Flux:

It is an RMA based core flux that provides wetting action comparable to typical RA flux. Although it is an RMA-based material, the residues are non-corrosive if not cleaned.

It is categorized as ROL1 per J-STD-004.

No-Clean Flux:

It is a halide-free, rosin based no-clean core flux that provides excellent wetting combined with optimal reliability and cosmetics. It is compliant to Bellcore GR-78 and is classified as ROL0 per J-STD-004.

Specification Table:

Part Number	Standard Wire Gauge (AWG)	Diameter		Alloy Content Tin/ Lead	Weight	Flux %	Flux Type	Softening Point Celsius (Flux Extract)	Acid Number (mg-KOH/ G Sample)	SIR (Surface Insulation Resist-ance)
		Inches	mm							
SPC22126	20	0.032	0.81	60/40	1lbs.	3.3%	Rosin (RA)	80°C	150-160	>1.0 × 10^9
SPC22127	18	0.04	1.02	60/40						
SPC22128	16	0.05	1.27	60/40						
SPC22129	14	0.062	1.57	60/40						
SPC22130	24	0.02	0.51	63/37						
SPC22131	22	0.025	0.64	63/37						
SPC22132	20	0.032	0.81	63/37						
SPC22133	18	0.04	1.02	63/37						
SPC22134	16	0.05	1.27	63/37						
SPC22135	14	0.062	1.57	63/37						
SPC22123	22	0.025	0.64	60/40	0.5 lbs.					
SPC22124	20	0.032	0.81	60/40	0.5 lbs.					

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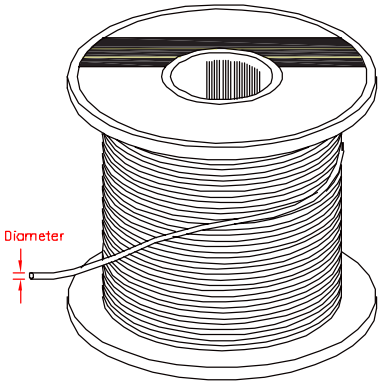
Part Number	Standard Wire Gauge (AWG)	Diameter		Alloy Content Tin/ Lead	Weight	Flux %	Flux Type	Softening Point Celsius (Flux Extract)	Acid Number (mg-KOH/ G Sample)	SIR (Surface Insulation Resist-ance)
		Inches	mm							
SPC22125	21	0.025	0.64	63/37	0.5 lbs.	3.3%	Rosin (RA)	80°C	150-160	$>1.0 \times 10^9$
SPC22136	20	0.032	0.81	60/40	1lbs.		Water Soluble	60°C	120-130	
SPC22137	20	0.032	0.81	63/37	1lbs.					
SPC22138	20	0.032	0.81	63/37	1lbs.		Rosin (RMA)	92°C	150-160	
SPC22139	20	0.032	0.81	63/37	1lbs.	1.1%	No Clean (NC600)	75°C	190-210	
SPC22140	24	0.02	0.51	63/37	1lbs.					



Note

The Water Soluble Solder has a flux within that must be cleaned; therefore, the Flux Extract Softening Point Test does not apply.

Acid Number test is based upon the IPC-TM-650 test method.

Flux Appearance : Amber Solid

Part Number Table

Description	Part Number
Solder Wire	SPC22126
	SPC22127
	SPC22128
	SPC22129
	SPC22130
	SPC22131
	SPC22132
	SPC22133
	SPC22134
	SPC22135
	SPC22123
	SPC22124
	SPC22125
	SPC22136
	SPC22137
	SPC22138
	SPC22139
	SPC22140

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