

Professionally approved products.

## Datasheet

# 0.7 mm Wire Solder

RS Stock number [705-6167](#)



### Description:

Free soldering for the electronics and electrical industries.

Lead Free

Choice of fluxes for no clean, low residue, standard electronics assembly and repair and difficult surfaces

Compatible with existing surface finishes and processes

Smooth shiny joints

Cost effective alloy

### Specifications:

Flux Content Percent:	3%
Flux Type:	Rosin
Melting Point:	227 °C
Percent Copper:	0.45 – 0.85 %
Percent Tin:	80 – 100 %
Product Form:	Wire
Wire Diameter:	0.7 mm

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Technical Specification	
Composition	99% Tin
0.45-0.85% Copper	
Solidus temperature °C	227
Liquidus temperature °C	227
Density	7.31
Copper lead through hole joint properties	
Shear strength Nmm <sup>2</sup>	
20°C	28
100°C	21
Stress to rupture, hours (est.)	
5 Nmm <sup>2</sup> 20°C	4300
2 Nmm <sup>2</sup> 100°C	1460
Mechanical fatigue, cycles (est.)	
+/- 15 Nmm <sup>2</sup> at 20°C	1100
+/- 10 Nmm <sup>2</sup> at 100°C	900