

Solder wire “Massiv“

(Without flux core)

Ø in mm	0.25 • 0.50 • 0.75 • 1.00 • 1.50 • 2.00 • 3.00 • 4.00
Spools	0.10 • 0.25 • 0.50 • 1.00 • 5.00 • 10.00 • 15.00 kg
Rings	1.00 • 5.00 kg



Alloy	DIN EN ISO 9453	DIN EN 61190	Melting range
Sn99.3Cu07	S-Sn99Cu1	Sn99Cu.7	227 °C eutectic
Sn100Ni+	S-Sn99Cu1 (NiGe)	Fuji Patent	227 °C eutectic
Sn97Cu3	S-Sn97Cu3	-	230 - 250 °C
Sn97Ag3	S-Sn97Ag3	-	221 - 224 °C
Sn95.5Ag3.8Cu0.7	S-Sn95Ag4Cu1	Sn96Ag04Cu0.7	217 °C eutectic
Sn99.9 (block tin)	-	Sn99	232 °C
Pb99.9 (lead)	-	-	327 °C
Sn60Pb40	S-Sn60Pb40	Sn60Pb40	183 - 190 °C
Sn50Pb50	S-Pb50Sn50	Sn50Pb50	183 - 215 °C
Pb60Sn40	S-Pb60Sn40	Sn40Pb60	183 - 238 °C

FELDER - special soft solders

In the following table we have listed some of the most important fusible alloys. Of course, we can also produce the ideal fusible alloy for your specific application/melting point. Standard delivery form: Triangular rods, also available as wire depending on the alloy.

Melting range in °C		Rel. density g/m ³	Hardness HB	Tensile strength N/mm ²	Electrical conductivity m / Ω x mm ²
Solidus	Liquidus				
47	47	9.40	-	-	-
69	71	9.50	10	44.1	2.3
70	70	9.60	10	44.1	2.3
72	72	8.00	-	-	-
92	92	10.40	6	38.3	1.5
95	95	9.70	9	38.8	1.5
138	138	8.10	19	57.9	4.0
145	145	8.50	14	38.8	7.6
158	158	7.50	22	64.7	8.9
221	221	7.30	15	45.1	7.5
292	292	11.10	-	-	-
299	304	11.20	-	-	-
303	303	11.30	-	-	-
304	304	11.10	10	31.4	4.7
304	304	11.00	10	28.5	4.7
309	309	11.30	-	-	-

Other fusible alloys are available upon request.