

## Indium Solder Wire (In100) 0.016" diameter - 10 ft with 2cc SMD291 flux

### Product Highlights

Low Temperature Melts at 157°C (315°F)

**Lead-Free**

**RoHS 3 compliant**

**REACH compliant**

This pure indium solder wire bonds well to glass, ceramic, and quartz. It can be used for low temperature soldering and for hermetic sealing.

ChipQuik SMDIN100 (In100) products are suitable for cryogenic sealing applications. The pure indium in these products will remain malleable at cryogenic temperatures, -150°C to -273°C (-238°F to -460°F), so that the seal it creates will not be compromised.



### Specifications

Alloy:	In100
Tensile Strength:	2.7 N/mm <sup>2</sup> (at 20°C)
Wire diameter:	0.016" (0.4mm)
Flux Core:	No flux core, solid solder wire
Melting Point:	157°C (315°F)
Packaging:	10ft spool, comes with 2cc of SMD291 flux
Shelf Life:	>60 months

### Recommended Accessory Flux

Recommended to use with Chip Quik® SMD291 flux.

### Storage and Handling

Store in a non-corrosive, dry environment.

### Notes

Pure Indium (In100) is very soft. It is normal for the 10ft spooled In100 wire to have some breaks in it.

**ChipQuik® Solder Wire Orderable Part Numbers:**

Flux Core	Alloy	Melting Point	Diameter	Size	Orderable Part Number	
No-Clean Water-Washable Synthetic Flux Core 2.2%  (Except .006" and .008" diameter wire which are 1.2%)	Sn63/Pb37	183°C (361°F)	.015" (0.38mm)	100g (3.5oz)	SMDSW.015 100g	
				0.4 oz	SMDSW.020 .4OZ	
			.020" (0.5mm)	1 oz	SMDSW.020 1OZ	
				2 oz	SMDSW.020 2OZ	
				4 oz	SMDSW.020 4OZ	
				1/2 lb	SMDSW.020 8OZ	
				1 lb	SMDSW.020 1LB	
			.031" (0.8mm)	0.7 oz	SMDSW.031 .7OZ	
				1 oz	SMDSW.031 1OZ	
	2 oz	SMDSW.031 2OZ				
	4 oz	SMDSW.031 4OZ				
	1/2 lb	SMDSW.031 8OZ				
	1 lb	SMDSW.031 1LB				
	Sn60/Pb40	183-188°C (361-370°F)	.015" (0.38mm)	100g (3.5oz)	SMD2SW.015 100g	
				0.4 oz	SMD2SW.020 .4OZ	
			.020" (0.5mm)	1 oz	SMD2SW.020 1OZ	
				2 oz	SMD2SW.020 2OZ	
				4 oz	SMD2SW.020 4OZ	
				1/2 lb	SMD2SW.020 8OZ	
				1 lb	SMD2SW.020 1LB	
			.031" (0.8mm)	0.7 oz	SMD2SW.031 .7OZ	
				1 oz	SMD2SW.031 1OZ	
				2 oz	SMD2SW.031 2OZ	
				4 oz	SMD2SW.031 4OZ	
				1/2 lb	SMD2SW.031 8OZ	
				1 lb	SMD2SW.031 1LB	
			Sn62/Pb36/Ag2	179°C (354°F)	.015" (0.38mm)	100g (3.5oz)
0.4 oz						SMD3SW.020 .4OZ
.020" (0.5mm)	1 oz	SMD3SW.020 1OZ				
	2 oz	SMD3SW.020 2OZ				
	4 oz	SMD3SW.020 4OZ				
	1/2 lb	SMD3SW.020 8OZ				
	1 lb	SMD3SW.020 1LB				
.031" (0.8mm)	0.7 oz	SMD3SW.031 .7OZ				
	1 oz	SMD3SW.031 1OZ				
	2 oz	SMD3SW.031 2OZ				
	4 oz	SMD3SW.031 4OZ				
	1/2 lb	SMD3SW.031 8OZ				
	1 lb	SMD3SW.031 1LB				

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**ChipQuik® Solder Wire Orderable Part Numbers:**

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Flux Core	Alloy	Melting Point	Diameter	Size	Orderable Part Number
No-Clean Water-Washable Synthetic Flux Core 2.2% (Except .006" and .008" diameter wire which are 1.2%)	Sn96.5/Ag3.0/Cu0.5	217-220°C (423-428°F)	.004" (0.1mm)	20g (0.7oz)	SMDSWLF.004 20g
				1g	SMDSWLF.006 1g
			.006" (0.15mm)	2g	SMDSWLF.006 2g
				5g	SMDSWLF.006 5g
				10g	SMDSWLF.006 10g
				50g (1.8oz)	SMDSWLF.006 50g
				50g (1.8oz)	SMDSWLF.008 50g
			.008" (0.20mm)	0.3 oz	SMDSWLF.015 .3OZ
				1 oz	SMDSWLF.015 1OZ
				2 oz	SMDSWLF.015 2OZ
				4 oz	SMDSWLF.015 4OZ
				1/2 lb	SMDSWLF.015 8OZ
				1 lb	SMDSWLF.015 1LB
				0.4 oz	SMDSWLF.020 .4OZ
			.015" (0.38mm)	1 oz	SMDSWLF.020 1OZ
				2 oz	SMDSWLF.020 2OZ
	4 oz	SMDSWLF.020 4OZ			
	1/2 lb	SMDSWLF.020 8OZ			
	1 lb	SMDSWLF.020 1LB			
	.020" (0.5mm)	0.7 oz	SMDSWLF.031 .7OZ		
		1 oz	SMDSWLF.031 1OZ		
		2 oz	SMDSWLF.031 2OZ		
		4 oz	SMDSWLF.031 4OZ		
		1/2 lb	SMDSWLF.031 8OZ		
	.031" (0.8mm)	1 lb	SMDSWLF.031 1LB		
		.012" (0.3mm)	100g (3.5oz)	SMD2SWLF.012 100g	
		.015" (0.38mm)	0.3 oz	SMD2SWLF.015 .3OZ	
			1 oz	SMD2SWLF.015 1OZ	
			2 oz	SMD2SWLF.015 2OZ	
	4 oz		SMD2SWLF.015 4OZ		
	1/2 lb		SMD2SWLF.015 8OZ		
	.020" (0.5mm)	1 lb	SMD2SWLF.015 1LB		
0.4 oz		SMD2SWLF.020 .4OZ			
1 oz		SMD2SWLF.020 1OZ			
2 oz		SMD2SWLF.020 2OZ			
4 oz		SMD2SWLF.020 4OZ			
.031" (0.8mm)	1/2 lb	SMD2SWLF.020 8OZ			
	1 lb	SMD2SWLF.020 1LB			
	0.7 oz	SMD2SWLF.031 .7OZ			
	1 oz	SMD2SWLF.031 1OZ			
	2 oz	SMD2SWLF.031 2OZ			
.020" (0.5mm)	4 oz	SMD2SWLF.031 4OZ			
	1/2 lb	SMD2SWLF.031 8OZ			
	1 lb	SMD2SWLF.031 1LB			
	1 lb	SMD2SWLF.031 1LB			

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**ChipQuik® Solder Wire Orderable Part Numbers:**

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Flux Core	Alloy	Melting Point	Diameter	Size	Orderable Part Number
Solid Wire (No Flux)	In52/Sn48	118°C (244°F)	.031" (0.8mm)	10 feet	SMDIN52SN48
	In97/Ag3	143°C (289°F)	.031" (0.8mm)	10 feet	SMDIN97AG3
	In100	157°C (315°F)	.016" (0.4mm)	10 feet	SMDIN100-0.4mm
			.031" (0.8mm)	10 feet	SMDIN100
	Sn42/Bi57/Ag1	138°C (281°F)	.030" (0.762mm)	16 feet	SMDSWLTLFP16
32 feet				SMDSWLTLFP32	
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi57/Ag1	138°C (281°F)	.040" (1.0mm)	10g (0.35oz)	SMDSWLT.040 10g
				20g (0.7oz)	SMDSWLT.040 20g
				50g (1.8oz)	SMDSWLT.040 50g
				100g (3.5oz)	SMDSWLT.040 100g
				200g (7.0oz)	SMDSWLT.040 200g
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi57.6/Ag0.4	138°C (281°F)	.040" (1.0mm)	10g (0.35oz)	SMD2SWLT.040 10g
				20g (0.7oz)	SMD2SWLT.040 20g
				50g (1.8oz)	SMD2SWLT.040 50g
				100g (3.5oz)	SMD2SWLT.040 100g
				200g (7.0oz)	SMD2SWLT.040 200g
No-Clean Rosin-Activated Flux Core 2.2%	Sn42/Bi58	138°C (281°F)	.040" (1.0mm)	10g (0.35oz)	SMD3SWLT.040 10g
				20g (0.7oz)	SMD3SWLT.040 20g
				50g (1.8oz)	SMD3SWLT.040 50g
				100g (3.5oz)	SMD3SWLT.040 100g
				200g (7.0oz)	SMD3SWLT.040 200g