

ONEREEL®

Semiconductor Palladium Coated Copper Wire Spool

ONEREEL® is the top Semiconductor Palladium Coated Copper Wire Spool manufacturer and supplier in China. ONEREEL copper bonding wire spools are in many cases a good alternative to expensive gold based solutions. With their ultra-fine diameters (0.6 mils or 15 μm) they are suitable for very small structures with ultra-fine pitch. By adding alloy elements to the bare Cu wire or using CuPd / AFPC core Cu wire, our bonding wires show advanced reliability and very good bendability. In many applications copper bonding wire spool can even provide better performance and reliability than gold bonding wire spool.

ONEREEL has passed ISO9001 certification and established a complete quality control system. Product quality is rigorously tested to ensure all spools meet customer requirements. Product quality is rigorously tested to ensure all spools meet customer requirements. Meanwhile, we can provide customers with highly competitive prices and quality.

Product Description

This Semiconductor Palladium Coated Copper Wire Spool is a high-quality product. ONEREEL® Semiconductor Palladium Coated Copper Wire Spool. Originally developed as low cost bonding wire spool as an alternative to gold wire spool, alloyed copper bonding wires have grown to be an advanced technical solution to many applications. They are very reliable, have advanced bendability and are suitable for fine structures.

ONEREEL® Semiconductor Palladium Coated Copper Wire Spool Parameter (Specification)

Diameter Inches	Diameter Microns	Elongation (%)	Minimum Break Load (g) Type B1	Minimum Break Load (g) Type B2	Temper Condition
0.0005	12.5	0.5 - 1.5	5	N/A	HARD
		2.0 - 5.0	2	N/A	ANNEALED
0.0007	18	0.5 - 2.0	9.5	8	HARD
		1.0 - 3.0	5	4	STRESS RELIEVED
		3.0 - 5.0	3	2.5	ANNEALED
0.0008	20	0.5 - 2.0	12.5	10	HARD
		1.0 - 3.0	6	5	STRESS RELIEVED
		4.0 - 6.0	4	3	ANNEALED
0.001	25	0.5 - 2.5	21	20	HARD
		1.0 - 3.0	11	10	STRESS RELIEVED
		4.0 - 6.0	8	7	ANNEALED
0.0013	33	0.5 - 2.5	33	30	HARD
		1.0 - 3.0	17	15	STRESS RELIEVED
		5.0 - 7.0	12	10	ANNEALED
0.0015	38	0.8 - 3.0	45	40	HARD
		1.0 - 3.0	24	20	STRESS RELIEVED
		6.0 - 8.0	18	16	ANNEALED
0.002	50	1.0 - 3.0	75	70	HARD
		1.0 - 3.5	45	40	STRESS RELIEVED
		2.0 - 8.0	30	25	ANNEALED

ONEREEL Semiconductor Palladium Coated Copper Wire Spool Feature and Application

Note 1: Good bendability with reduced material cost compared to gold.

Note 2: High reflectivity in short wavelength range.

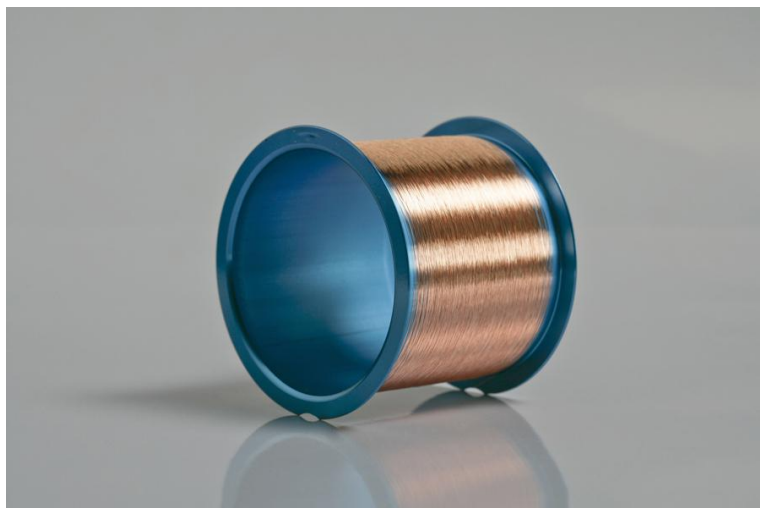
Note 3: SEA is original Ag base alloy wire.

Note 4: SEB offers low resistivity similar to 2N Au wire.

Note 5: SEC has softer FAB hardness and low resistivity similar to 4N Au wire.

ONEREEL Semiconductor Palladium Coated Copper Wire Spool Details

ONEREEL Semiconductor Palladium Coated Copper Wire Spool is widely used in the manufacturing of microelectronic devices as an electrical interconnect. For the selection or the ideal solution, our specialists with years of experience support you with their technical expertise and application know-how. On-site, they help you on the evaluation and qualification, especially on complex issues and configurations. Tests in our application and technology center enable us to test your adaptations directly in the application. Save time and money with ONEREEL as a qualified partner and accelerate your developing process.

**FAQ**

What is your products standardization?

our products strictly comply with ISO9001 and CE standards

Can you can design the spool according to our size?

Yes, we have a professional team of engineers who can complete the manufacture of the spool you provid

How many years have your company made this kind of spool?

we have been making spools for ten years

Are you a trading company or a manufacturer?

we are a manufacturer of spool technology and design

How long is your delivery time?

we will deliver the order as soon as we receive it

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