

International Wire Cable Services



Tinned Copper Wire

Application:

Tin Dipped or Tin Plated Copper Wire is copper conductor coated with a thin layer of tin to protect the copper from corrosion, that would decrease the wire's performance in humid or rainy climates, high-heat environment and in certain types of soil. Tinned Copper Wire can last much longer than Bare Copper Wire. Tinned Copper Wire is used in various types of cables, industrial machines, heaters, high-temperature instruments, in ground electrical systems and as Bus Bar Wire to distribute power from a centralized bus bar to outlying equipment.



Product Details:

- 6-28 AWG available online
- Solid soft drawn and annealed Tinned Copper Wire
- ASTM B-33 compliant

Packaging:

- 100', 250', 500', 1000' spools available online
- 1 lbs, 5 lbs, 10 lbs, 50 lbs spools available online
- Cut to length - sold by the foot wire available online
- Special package available upon request

Special Services:

- Cutting wire to length
- Re-spooling
- Bobbin winding
- Custom labeling
- Wire twisting
- Cable and harness over braiding and shielding
- Engineering and technical support
- Stocking program
- Certificate of compliance



Visit our online store at
www.internationalwiregroup.com
or contact us at
iwcs@internationalwire.com



Sales Office:
43A Route 12 South
Sherburne, NY 13460
United States
1-607-674-2030

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Solid Tinned Copper Wire

Part Number	Product Description	AWG	Coating	Nominal Diameter Inches	Area, circular mils	Approximate Weight, Lbs/1000 Ft	Break Strength, lbs.	Elongation in 10", % minimum	Nominal Resistance Ohms per 1,000 Ft @ 20° C
STC-4	4 awg, Solid Tinned Copper Wire	4	Tin Plated	0.2043	41,740	126.34	1213.0	25	0.26
STC-6	6 awg, Solid Tinned Copper Wire	6	Tin Plated	0.1620	26,240	79.44	721.0	25	0.41
STC-8	8 awg, Solid Tinned Copper Wire	8	Tin Plated	0.1285	16,510	49.98	454.0	25	0.65
STC-10	10 awg, Solid Tinned Copper Wire	10	Tin Plated	0.1019	10,380	31.43	285.0	20	1.04
STC-12	12 awg, Solid Tinned Copper Wire	12	Tin Plated	0.0808	6,530	19.77	180.0	20	1.65
STC-14	14 awg, Solid Tinned Copper Wire	14	Tin Plated	0.0641	4,110	12.43	113.0	20	2.63
STC-16	16 awg, Solid Tinned Copper Wire	16	Tin Plated	0.0508	2,580	7.82	71.0	20	4.18
STC-18	18 awg, Solid Tinned Copper Wire	18	Tin Plated	0.0403	1,620	4.92	45.0	20	6.65
STC-20	20 awg, Solid Tinned Copper Wire	20	Tin Plated	0.0320	1,020	3.09	28.0	20	10.58

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STC-22	22 awg, Solid Tinned Copper Wire	22	Tin Plated	0.0254	640	1.95	18.0	20	16.82
STC-24	24 awg, Solid Tinned Copper Wire	24	Tin Plated	0.0201	404	1.22	11.0	15	26.76
STC-26	26 awg, Solid Tinned Copper Wire	26	Tin Plated	0.0159	253	0.77	7.00	15	43.47
STC-28	28 awg, Solid Tinned Copper Wire	28	Tin Plated	0.0126	159	0.48	4.40	15	69.13
STC-30	30 awg, Solid Tinned Copper Wire	30	Tin Plated	0.0100	100	0.30	2.90	10	111.10
STC-32	32 awg, Solid Tinned Copper Wire	32	Tin Plated	0.0080	64	0.19	1.70	10	176.70
STC-34	34 awg, Solid Tinned Copper Wire	34	Tin Plated	0.0063	40	0.12	1.10	10	281.10
STC-36	36 awg, Solid Tinned Copper Wire	36	Tin Plated	0.0050	25	0.08	.69	10	447.10

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