

Solid and Stranded Conductor AWG Chart

AWG	Construction	Stranding	Nominal Diameter		Circular Area		Maximum DC Resistance	
			Inches	mm	cmils	mm2	Ohms/1000'	Ohms/ Km
4	Solid	1	0.2043	5.190	41740	21.12	0.249	0.815
4	Stranded	259/28	0.2650	6.720	41119	20.80		
5	Solid	1	0.1819	4.620	33090	16.75	0.313	1.028
6	Solid	1	0.1620	4.110	26244	13.30	0.395	1.290
6	Stranded	133/27	0.2130	5.410	26818	13.60		
7	Solid	1	0.1443	3.670	20820	10.54	0.468	1.634
8	Solid	1	0.1285	3.260	16512	8.37	0.628	2.061
8	Stranded	169/30	0.1650	4.180	16900	8.51		
9	Solid	1	0.1144	2.910	13090	6.62	0.792	2.599
10	Solid	1	0.1019	2.590	10380	5.25	0.999	3.277
10	Stranded	105/30	0.1160	2.946	10530	5.33		
11	Solid	1	0.0907	2.300	8230	4.16	1.26	4.13
12	Solid	1	0.0808	2.050	6530	3.30	1.59	5.21
12	Stranded	63/30	0.1020	2.590	6331	3.21		
12	Stranded	165/34	0.0950	2.413	6549	3.31		
12	Stranded	259/36	0.1020	2.590	6475	3.28		
13	Solid	1	0.0729	1.830	5190	2.62	2.00	6.57
14	Solid	1	0.0641	1.630	4109	2.08	2.53	8.29
14	Stranded	41/30	0.0740	1.880	4100	2.08		
14	Stranded	105/34	0.0746	1.890	4168	2.11		
14	Stranded	265/38	0.0829	2.110	4256	2.16		
15	Solid	1	0.0571	1.450	3260	1.66	3.18	10.45
16	Solid	1	0.0509	1.290	2581	1.31	4.02	13.17
16	Stranded	40/32	0.0584	1.480	2560	1.30		
16	Stranded	105/36	0.0592	1.500	2625	1.33		
17	Solid	1	0.0453	1.150	2050	1.04	5.06	16.61
18	Solid	1	0.0403	1.020	1624	0.82	6.39	20.95
18	Stranded	65/36	0.0466	1.180	1625	0.82		
18	Stranded	105/38	0.0521	1.320	1680	0.85		
19	Solid	1	0.0359	0.904	1290	0.65	8.05	26.42
20	Solid	1	0.0320	0.813	1024	0.52	10.2	33.3
20	Stranded	65/38	0.0372	0.945	1040	0.53		
21	Solid	1	0.0285	0.724	812	0.41	12.8	42.0
22	Solid	1	0.0253	0.643	640	0.32	16.1	53.0
22	Stranded	26/36	0.0294	0.747	650	0.33		
23	Solid	1	0.0228	0.574	511	0.26	20.4	66.8
24	Solid	1	0.0201	0.511	404	0.20	25.7	84.2
24	Stranded	10/34	0.0230	0.584	397	0.20		
25	Solid	1	0.0179	0.455	320	0.16	32.4	106.2
26	Solid	1	0.0159	0.404	253	0.13	40.8	133.9
27	Solid	1	0.0142	0.361	202	0.10	51.5	168.9
28	Solid	1	0.0126	0.320	159	0.080	64.9	212.9
29	Solid	1	0.0113	0.287	128	0.065	81.8	268.5
30	Solid	1	0.0100	0.254	100	0.051	103	339
31	Solid	1	0.00900	0.229	79	0.040	130	427
32	Solid	1	0.0080	0.203	64	0.032	164	538
33	Solid	1	0.0071	0.180	50	0.025	207	679
34	Solid	1	0.0063	0.160	39.6	0.020	261	856
35	Solid	1	0.0056	0.143	31.5	0.016	329	1079
36	Solid	1	0.0050	0.127	25	0.013	415	1361
37	Solid	1	0.0045	0.113	19.8	0.010	523	1716
38	Solid	1	0.0040	0.101	15.7	0.008	660	2164
39	Solid	1	0.0035	0.090	12.5	0.006	832	2726
40	Solid	1	0.0031	0.080	9.89	0.005	1049	3441

Stranded Wire Ampacity Chart

SJ Ball



Stranded Wire Ampacity Chart:

Stranded Wire Ampacity Chart: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have charmed audiences this year. Stranded Wire Ampacity Chart : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Stranded Wire Ampacity Chart : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a exceptional and suspenseful novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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Stranded Wire Ampacity Chart Introduction

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