

Bare Copper, Uninsulated Conductor

Standards
ASTM B3, ASTM B8, ASTM B174, and ASTM B286
ISO 6722

Alternative Constructions
Tinned copper

Applications:
Conductor to be insulated
Grounding applications

RoHS compliant

AWG Size	Copper Stranding	Nominal Outer Diameter		Circular Mil Area (MCM)	Square mm	Weight		DC Resistance	
		(in)	(mm)			(lbs./kft)	kg/km	(ohms/kft)	(ohms/km)
34	1	0.006	0.160	40	0.02	0.120	0.179	280	919
32	1	0.008	0.203	67	0.03	0.194	0.289	174	571
30	1	0.010	0.254	100	0.05	0.300	0.447	113	371
28	1	0.013	0.330	159	0.08	0.480	0.715	71	232
26	1	0.016	0.409	256	0.13	0.770	1.15	44	143
24	1	0.020	0.511	404	0.21	1.22	1.82	27	90
	10/34	0.023	0.582	397	0.20	1.20	1.79	26	86
22	1	0.025	0.643	640	0.32	1.95	2.91	17	55
	7/30	0.030	0.762	700	0.36	2.12	3.16	15	48
	19/34	0.031	0.787	754	0.38	2.28	3.40	14	45
20	1	0.320	0.813	1,020	0.52	3.10	4.62	11	34
	10/30	0.035	0.889	1,000	0.51	3.03	4.51	10	34
	26/34	0.036	0.094	1,032	0.52	3.12	4.65	10	33
18	1	0.040	1.02	1,620	0.82	4.92	7.33	6.6	22
	7/26	0.048	1.22	1,770	0.90	5.36	7.99	5.9	19
	16/30	0.047	1.19	1,600	0.81	4.84	7.21	5.5	18
	19/30	0.049	1.25	1,900	0.96	5.75	8.57	5.5	18
	41/34	0.047	1.19	1,627	0.83	4.92	7.33	6.4	21
16	1	0.051	1.29	2,580	1.31	7.81	11.6	4.2	14
	19/29	0.058	1.47	2,426	1.23	7.35	11.0	4.3	14
	26/30	0.059	1.50	2,600	1.32	7.87	11.7	4.0	13
	65/34	0.059	1.50	2,580	1.31	7.81	11.6	4.0	13
14	1	0.064	1.63	4,110	2.09	12.4	18.5	2.6	8.5
	7/22	0.073	1.85	4,480	2.27	13.6	20.2	2.3	7.5
	19/27	0.073	1.85	3,830	1.94	11.6	17.3	2.7	8.9
	41/30	0.073	1.85	4,100	2.08	12.4	18.5	2.5	8.2
	105/34	0.073	1.85	4,167	2.12	12.6	18.8	2.5	8.2
12	1	0.081	2.05	6,530	3.31	19.8	29.5	1.7	5.6
	19/25	0.093	2.37	6,087	3.09	18.4	27.5	1.7	5.6
	65/30	0.095	2.41	6,500	3.30	19.7	29.3	1.8	5.9
	165/34	0.095	2.41	6,549	3.32	19.8	29.5	1.6	5.2
10	37/26	0.115	2.92	9,354	4.75	28.3	42.2	1.1	3.6

	104/30	0.116	2.95	10,430	5.29	31.5	46.9	1.0	3.3
	105/30	0.116	2.95	10,530	5.35	31.8	47.3	0.98	3.2
8	133/29	0.166	4.22	16,850	8.55	51.4	76.6	0.61	2.0
	655/36	0.166	4.22	16,625	8.44	49.6	73.9	0.62	2.0
6	133/27	0.210	5.33	26,800	13.6	81.1	121	0.47	1.5
	259/30	0.210	5.33	26,030	13.2	78.4	117	0.40	1.3
4	133/25	0.257	6.53	42,610	21.6	129	192	0.24	0.79
	259/28	0.261	6.63	41,390	21.0	158	235	0.20	0.66
2	133/23	0.328	8.33	67,760	34.4	206	306	0.15	0.49
	259/26	0.325	8.26	65,810	33.4	198	295	0.16	0.52
	665/30	0.335	8.51	66,830	33.9	201	300	0.16	0.52

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