



CONSTRUCTION

Alan Wire Bare Copper conductors are normally annealed (soft) copper, solid are stranded per ASTM B3 and ASTM B8. Medium-hard drawn tempers and Hard-drawn tempers are also available in some sizes.

- » Sizes 14 AWG through 2 AWG are available in solid
- » Sizes 250 MCM through 500 MCM are available in 37 strand
- » Sizes 8 AWG through 2 AWG are available in 7 strand
- » Sizes 600 MCM and 750 MCM are available in 61 strand
- » Sizes 1 AWG through 4/0 AWG are available in 7 or 19 strand

APPLICATIONS

Bare copper conductors are suitable for use in electrical grounding systems and in overhead electrical transmission and distribution systems as specified in the National Electrical Code where high-conductivity are required for equipment grounding and bonding.

SPECIFICATIONS

- » ASTM B1 for Hard Drawn Bare Copper (*select availability*)
- » ASTM B2 for Medium Hard Drawn Bare Copper (*select availability*)
- » ASTM B3 for Soft or Annealed Copper Wire
- » ASTM B8 Concentric Stranded Copper Conductors
- » MasterSpec Division 26 Sections 260519
- » REA/RUS Approved
- » RoHS compliant
- » ARRA 2009 Section 1605 "Buy American" compliant
- » Federal Standard QQ-W-343
- » Build America, Buy America Act compliant

				Soft-Drawn (Annealed)			
Size (AWG)	Stranding	Outside Diameter (in)	Area (cmils)	Rated Strength (lbs)	DC Resistance (Ohms/1000 ft @ 20° C)	Approx. Net Weight (lbs/1000 ft)	Standard Packaging (ft)
14	Solid	0.0641	4110	119	2.6200	12.4	2000' reels
12	Solid	0.0808	6530	197	1.6200	19.8	1250' reels
10	Solid	0.1019	10380	314	1.0190	31.4	800' reels
8	Solid	0.1285	16510	479	0.6407	50	500'; 1000'; 2500'; 5000' reels / 25 lb spools
6	Solid	0.1620	26240	762	0.4031	79.5	315'; 500'; 1000'; 2500'; 5000' reels / 25 lb spools
4	Solid	0.2043	41740	1214	0.2535	126.4	200'; 500'; 1000'; 2500'; 5000' reels / 25 lb spools
2	Solid	0.2576	66360	1930	0.1594	200.9	500'; 1000'; 2500'; 5000' reels / 25 lb (125', 2/carton) spools
8	7	0.1460	16510	480	0.6535	51	500'; 1000'; 2500'; 5000' reels / 25 lb spools
6	7	0.1840	26240	760	0.4112	81	315'; 500'; 1000'; 2500'; 5000' reels / 25 lb spools
4	7	0.2320	41740	1210	0.2585	129	200'; 500'; 1000'; 2500'; 5000' reels / 25 lb spools
3	7	0.2600	52620	1530	0.2050	162	500'; 1000'; 5000' reels
2	7	0.2920	66360	1930	0.1626	205	125'; 500'; 1000'; 2500'; 5000' reels / 25 lb spools
1	19	0.3280	83690	2552	0.1270	258	500'; 1000'; 5000' reels
1/0	7 or 19	0.3600	105600	3060	0.1022	326	500'; 1000'; 2500'; 5000' reels
2/0	7 or 19	0.4040	133100	3860	0.0811	411	500'; 1000'; 2500'; 5000' reels
3/0	7 or 19	0.4540	167800	4860	0.0643	518	500'; 1000'; 2500'; 5000' reels
4/0	7 or 19	0.5100	211600	6120	0.0510	653	500'; 1000'; 2500'; 5000' reels
250	37	0.5420	250000	7942	0.0432	772	500'; 1000'; 2500'; 5000' reels
300	37	0.5940	300000	9164	0.0360	926	500'; 1000'; 2500' reels
350	37	0.6410	350000	10685	0.0308	1081	500'; 1000'; 2500' reels
400	37	0.6850	400000	13435	0.0270	1235	500'; 1000'; 2500' reels
500	37	0.7660	500000	15242	0.0216	1544	500'; 1000' reels
600	61	0.8930	600000	18300	0.0180	1853	500'; 1000' reels
750	61	0.9980	750000	22894	0.0144	2316	500' reels