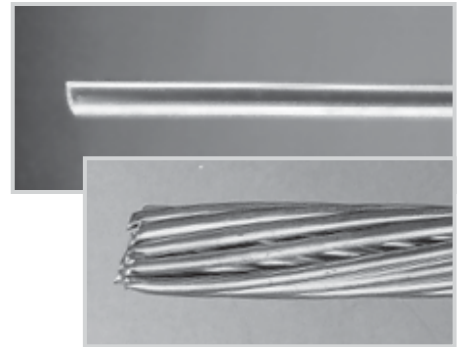


Bare Copper Conductors

Construction

Bare copper, solid or stranded. Available in tempers hard, medium-hard, or soft. Stranded conductors are concentrically stranded in hard and medium-hard tempers and are Combination Unilay stranded in the soft-drawn temper.



Specifications

Meets or exceeds the following applicable ASTM specifications:

- B-1 Hard-Drawn Copper Wire
- B-2 Medium-Hard Copper Wire
- B-3 Soft or Annealed Copper Wire
- B-787 19 Wire Combination Unilay-Stranded Soft Copper Wire
- B-8 Concentric-Lay-Stranded Hard, Medium-Hard or Soft Copper Conductor

Applications

Solid and stranded (classes AA and A) bare copper are suitable for overhead transmission and distribution applications. Stranded conductor of greater flexibility (classes B and C) are suitable for uninsulated hook up, jumpers and grounds in electrical construction. Soft drawn copper is unilay construction.

AWG	Weight (lbs/M-ft)	Diameter (mils)	DC Resistance (Ohms/M-ft @ 20°C)			Allowable Ampacity
			Hard Drawn	Medium Hard Drawn	Soft Drawn (Annealed)	
Solid						
14	12.4	64.1	2.626	2.613	2.525	-
12	19.8	80.8	1.652	1.643	1.588	-
10	31.4	101.9	1.039	1.033	.999	-
8	50	128.5	.653	.650	.628	95
6	79.4	162	.411	.409	.395	125
4	126.3	204.3	.258	.257	.249	170
2	200.9	257.6	.163	.162	.156	225

Other cables not listed here may be available upon request.

Information based on Southwire specs.

Other cables not listed here may be available upon request.

Size (AWG or kcmils)	Stranding	Stranding Class	Weight (lbs/M-ft)	Diameter (in)		DC Resistance (Ohms/M-ft @ 20°C)			Allowable Ampacity
				Indv. Wires	Complete Cables	Hard Drawn	Medium Hard Drawn	Soft Drawn (Annealed)	
Stranded									
8	7	B	51	49	146	.66630	.66290	.64080	95
6	7	B	81	61	184	.41910	.41690	.40300	130
4	7	A, B	128.9	77	232	.26360	.26220	.25340	170
2	7	A, B	204.9	97	292	.16600	.16500	.15780	230
1/0	7	A, AA	326.1	123	368	.10420	.10370	.10020	310
2/0	7	A, AA	410.9	138	414	.08627	.08224	.07949	355
3/0	7	A, AA	518.1	155	464	.06556	.06522	.06304	410
4/0	7	A, AA	653.3	174	522	.05199	.05172	.04999	480
4/0	19	B	653.3	106	528	.05199	.05172	.04999	480
250	19	A	771.9	115	574	.04400	.04378	.04231	530
350	19	A	1080.6	136	679	.03143	.03127	.03022	650
500	37	A, B	1543.8	116	814	.02200	.02189	.02116	810