



ENGINEERING SPECIFICATIONS

Standards

ASTM-B3 for soft-drawn solid copper wire
 ASTM-B8 for soft-drawn concentric lay stranded copper wire
 ASTM-B787 for 19-wire combination unilay stranded wire
 ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION

Conductors

Soft-Drawn Solid or Stranded, Annealed Bare Copper

APPLICATIONS

Copper conductors are used in overhead electrical transmission and distribution systems for grounding electrical systems, and where high-conductivity and flexibility are required for equipment and circuit grounding.

FEATURES

Highest conductivity per unit area of all common commercial metals. Excellent corrosion resistance. Flexible; easily worked and formed into place. Good fatigue-resistance; not subject to breaks due to nicks or cuts when terminating. Totally recyclable with high scrap value. Contact your local representative for information on the Encore Wire Scrap Purchase Program.

Size (AWG)	No. of Strands	Outside Diameter		Area (cmils)	Soft-Drawn (Annealed)	Approximate Net Weight (lbs/1000 ft)	Standard Packaging	
		(mm)	(in)		DC Resistance (Ohms/1000 ft @ 20°C)		23x30.5 (55 gal) Small	23x42 (75 gal) Large
18	Solid	1.20	0.0470	1,620	6.54	5.02	20,000	30,000
16	Solid	1.50	0.0590	2,580	4.10	7.99	20,000	30,000
14	Solid	1.80	0.0710	4,110	2.58	12.45	20,000	30,000
12	Solid	2.24	0.0880	6,530	1.63	19.85	16,000	24,000
10	Solid	2.80	0.1110	10,380	1.02	31.50	10,000	15,000
8	Solid	3.71	0.1430	16,510	0.64	49.25	7,000	10,000
18	16	1.20	0.0470	1,620	6.54	5.02	20,000	30,000
16	26	1.50	0.0590	2,580	4.10	7.99	20,000	30,000
14	19	1.80	0.0710	4,110	2.58	12.45	20,000	30,000
12	19	2.24	0.0880	6,530	1.63	19.85	16,000	24,000
10	19	2.80	0.1110	10,380	1.02	31.50	10,000	15,000
8	19	3.71	0.1430	16,510	0.64	49.25	7,000	10,000

The above data is approximate and subject to normal manufacturing tolerances.