



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:

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.

Barrel Packs Soft-Drawn Bare Conductors

Conductor Size (AWG or KCMIL)	Number of Strands	Outside Diameter		Area (cmils)	Soft-Drawn (Annealed)		Standard Packaging	
		(mm)	(in)		DC Resistance (Ohms/1000ft @ 20°C)	Approximate Net Weight (lbs/1000ft)	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.