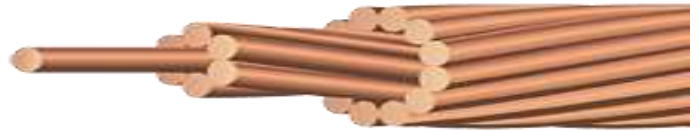


# Bare Copper Wire and Cable

Bare Copper Conductors  
Solid and stranded.



Cable image is for reference only and does not depict actual cable construction

## Applications:

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

## Specifications:

- ASTM B1 Hard-Drawn Copper Wire
- ASTM B2 Medium Hard Copper Wire
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Hard, Medium-Hard, or Soft Copper Conductors
- ASTM B33 Tinned Conductors
- ASTM B787 19 Wire Combination Unilay-Stranded Soft Copper Wire

## 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.

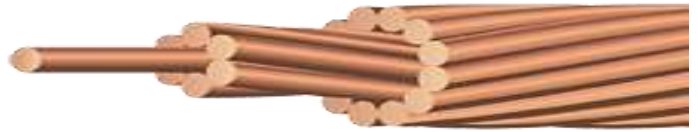
Solid Bare Copper										
Size (AWG)	Weight (lbs/1000ft)	Diameter (mils)	Circular Mil Area (mils)	Hard Drawn		Medium-Hard Drawn		Soft-Drawn (Annealed)		Allowable Ampacity*
				Rated Strength (lbs)	DC Resistance (ohms/1000ft) @ 20°C	Rated Strength (lbs)	DC Resistance (ohms/1000ft) @ 20°C	Rated Strength (lbs)	DC Resistance (ohms/1000ft) @ 20°C	
14	12.4	64.1	4110	213.5	2.626	166.6	2.613	124.2	2.525	-
13	15.7	72	5180	268.0	2.083	208.8	2.072	156.6	2.003	-
12	19.8	80.8	6530	336.9	1.652	261.2	1.643	197.5	1.588	-
11	24.9	90.7	8230	422.9	1.310	327.6	1.303	249.0	1.260	-
10	31.4	101.9	10380	529.2	1.039	410.4	1.033	314.0	0.999	-
9	39.6	114.4	13090	661.2	0.824	514.2	0.820	380.5	0.792	-
8	50	128.5	16510	826.0	0.653	643.9	0.650	479.8	0.628	95
7	63	144.3	20820	1030.0	0.518	806.6	0.515	605.0	0.498	105
6	79.4	162	26240	1280.0	0.411	1010.0	0.409	762.9	0.395	125
5	100.2	181.9	33090	1591.0	0.326	1265.0	0.324	961.9	0.313	145
4	126.3	204.3	41740	1970.0	0.258	1584.0	0.257	1213.0	0.249	170
3	159.3	229.4	52620	2439.0	0.205	1984.0	0.204	1530.0	0.197	195
2	200.9	257.6	66360	3003.0	0.163	2450.0	0.162	1929.0	0.156	225
1	253.3	289.3	83690	3688.0	0.129	3024.0	0.128	2432.0	0.124	260

Date:	Spec No.:	Customer:	Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order, this item may be non-cancelable and non-returnable.
Prepared by:	Job Name:		
			Signature _____ Date _____



# Bare Copper Wire and Cable

Bare Copper Conductors  
Solid and stranded.



Cable image is for reference only and does not depict actual cable construction

## Stranded Bare Copper

Size (AWG or kcmil)	Stranding	Stranding Class	Weight (lbs/1000 Ft)	Diameter (mils)		Hard Drawn		Medium-Drawn		Soft Drawn (annealed)		Allowable Ampacity*
				Individual Wires	Complete Conductor	Rated Strength (lbs)	DC Resistance (ohms/1000ft) @ 20C	Rated Strength (lbs)	DC Resistance (ohms/1000ft) @ 20C	Rated Strength (lbs)	DC Resistance (ohms/1000ft) @ 20C	
8	7	B	51	49	146	777	0.6663	610	0.6629	499	0.6408	95
6	7	B	81	61	184	1228	0.4191	959	0.4169	794	0.4030	130
4	7	A, B	128.9	77	232	1938	0.2636	1505	0.2622	1320	0.2534	170
3	7	A, B	162.5	87	260	2433	0.2090	1885	0.2079	1670	0.2010	200
2	7	A, B	204.9	97	292	3050	0.1660	2360	0.1650	2110	0.1578	230
1	7	A	258.4	109	328	3801	0.1316	2955	0.1309	2552	0.1252	265
1/0	7	A, AA	326.1	123	368	4752	0.1042	3705	0.1037	3221	0.1002	310
2/0	7	A, AA	410.9	138	414	5926	0.08267	4640	0.08224	4062	0.07949	355
2/0	19	B	410.9	84	418	6690	0.08267	4765	0.08224	4024	0.07949	355
3/0	7	A, AA	518.1	155	464	7366	0.06556	5812	0.06522	5118	0.06304	410
4/0	7	A, AA	653.3	174	522	9154	0.05199	7278	0.05172	6459	0.04999	480
4/0	19	B	653.3	106	528	9617	0.05199	7479	0.05172	6453	0.04999	480
250	19	A	771.9	115	574	11360	0.04400	8836	0.04378	7627	0.04231	530
250	37	B	771.9	82	575	11600	0.04400	8952	0.04378	7940	0.04321	530
300	19	A	926.2	126	628	13510	0.03667	10530	0.03648	9160	0.03526	590
350	19	A	1080.6	136	679	15590	0.03143	12200	0.03127	10680	0.03022	650
500	37	A, B	1543.8	116	814	22510	0.02200	17550	0.02189	15240	0.02116	810
600	37	A, AA	1852.5	127	891	27020	0.01834	21060	0.01825	18300	0.01763	910
750	61	A, B	2315.6	111	998	34090	0.01467	26510	0.01459	22890	0.01410	1040
1000	61	A, B	3087.5	128	1152	45030	0.01100	35100	0.01094	30500	0.01058	1240

All dimensions are nominal and subject to normal manufacturing tolerances.

\*Ampacity based on 75°C conductor temperature; 2 ft. / sec. wind and sun. (For both tables)

Date:	Spec No.:	Customer:	Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order, this item may be non-cancelable and non-returnable.
Prepared by:	Job Name:		
		Signature	Date

