

# 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/1000 ft)	Diameter (mils)	Circular Mil Area (mils)	Hard Drawn		Medium-Hard Drawn		Soft-Drawn (Annealed)		Allowable Ampacity*
				Rated Strength (lbs)	DC Resistance (ohms/1000 ft) @ 20°C	Rated Strength (lbs)	DC Resistance (ohms/1000 ft) @ 20°C	Rated Strength (lbs)	DC Resistance (ohms/1000 ft) @ 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	

