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Soft Bare Copper

Bare Copper Conductors

Description

ASTM B-3 Soft or Annealed Copper Wire. ASTM B-3 Specification details the requirements for solid wires and the individual wires in stranded conductors.

ASTM B-8 Concentric - Lay - Stranded Copper Conductors

Solid or stranded 100% conductivity copper conductors.

**Standards**

National Factory standard

Application

Used for bonding and grounding electrical circuits and systems.

Soft Bare Copper

Characteristics

Construction characteristics

Conductor material

Annealed copper

Soft Drawn Bare Copper

Size AWG or kcmil	Nominal Diameter		Approximate Conductor Weight		Nominal D.C. Resistance @ 25°C	
	mm	in	kg/km	lbs/kft	Ω/km	Ω/kft
14 (1)	1.63	0.064	18.5	12.4	8.44	2.570
12 (1)	2.05	0.081	29.4	19.8	5.31	1.620
10 (1)	2.59	0.102	46.8	31.4	3.34	1.020
8 (7)	3.61	0.142	75.9	51.0	2.14	0.653
6 (7)	4.55	0.179	121.0	81.1	1.35	0.411
4 (7)	5.72	0.225	192.0	129.0	0.848	0.258
2 (7)	7.19	0.283	305.0	205.0	0.533	0.163
1 (19)	7.95	0.313	385.0	258.0	0.423	0.129
1/0 (19)	8.94	0.352	485.0	325.0	0.335	0.102
2/0 (19)	10.03	0.395	611.0	410.0	0.266	0.081
3/0 (19)	11.25	0.443	771.0	518.0	0.211	0.064
4/0 (19)	12.65	0.498	972.0	653.0	0.167	0.051
250 (37)	13.77	0.542	1149.0	772.0	0.142	0.043
300 (37)	15.09	0.594	1378.0	926.0	0.118	0.036
350 (37)	16.28	0.641	1609.0	1081.0	0.101	0.031
400 (37)	17.40	0.685	1838.0	1235.0	0.088	0.027
500 (37)	19.46	0.766	2298.0	1544.0	0.071	0.021
600 (61)	21.34	0.840	2758.0	1853.0	0.059	0.018
750 (61)	23.85	0.939	3447.0	2316.0	0.047	0.014
1000 (61)	28.37	1.117	4595.0	3088.0	0.035	0.011

* ASTM B-3 Specification details the requirements for solid wires and the individual wires in stranded conductors.