

Product Specifications



BARE COPPER CONDUCTOR (BCC)

Standard

- ASTM B1
- ASTM B2
- ASTM B3
- ASTM B8

Construction

- Concentrically stranded
- Max. Size 4000MCM, Max. str. No. 127

Application

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

Product Data Sheet-BCC											
Size	Stranding wire			Weight	Hard Drawn		Medium-Hard Drawn		Soft-Drawn (Annealed)		Ampacity
	Str. No.	Wire dia.	Overall dia.		Rated Strength	Max.DC Resistance	Rated Strength	Max.DC Resistance	Rated Strength	Max.DC Resistance	
AWG	No.	mm	mm	kg/km	KN	Ω/km	KN	Ω/km	KN	Ω/km	
3	7	2.2	6.6	242	10.82	0.6857	8.38	0.6821	7.42	0.6594	200
2	7	2.47	7.41	305	13.56	0.5446	10.49	0.5413	9.38	0.5177	230
1	7	2.78	8.34	385	16.9	0.4318	13.14	0.4295	11.34	0.4108	265



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1/0	7	3.12	9.36	485	21.12	0.3419	16.47	0.3402	14.32	0.3287	310
2/0	1 9	2.13	10.65	611	29.74	0.2712	21.18	0.2698	17.89	0.2608	355
3/0	1 9	2.39	11.95	771	32.74	0.2151	25.84	0.214	22.75	0.2068	410
4/0	1 9	2.68	13.4	972	42.75	0.1706	33.25	0.1697	28.69	0.164	480
250	3 7	2.09	14.63	1152	51.57	0.1444	39.79	0.1436	35.3	0.1388	530
300	3 7	2.29	16.03	1378	60.06	0.1203	46.81	0.1197	40.72	0.1157	590
350	3 7	2.47	17.29	1605	69.3	0.1031	54.23	0.1026	47.48	0.0991	650
400	3 7	2.64	18.48	1841	79.48	0.0899	62.2	0.0895	54.45	0.0864	708
500	3 7	2.95	20.65	2294	100.06	0.0722	78.01	0.0718	67.75	0.0694	810
600	3 7	3.23	22.61	2757	120.11	0.0602	93.62	0.0599	81.35	0.0578	910
700	3 7	3.5	24.5	3219	140.26	0.0515	109.32	0.0513	95	0.0495	1003
800	6 1	2.91	26.19	3672	161.51	0.0452	125.6	0.0449	108.45	0.0434	1082
900	6 1	3.09	27.81	4135	181.85	0.0401	141.41	0.0399	122.1	0.0385	1166
1000	6 1	3.25	29.25	4597	200.17	0.0361	156.03	0.0359	135.58	0.0347	1240