

# BCC-1/2H

## Medium Hard Drawn Bare Copper Conductor

Standard Specification : ASTM B 2 : 2012, ASTM B 8 : 2011



Medium Hard Drawn Copper

### Technical Properties

Size	Number / Dia. of Wire	Calculated Cross Sect. Area	Approx. Overall Diameter	Approx. Weight	Calculated Breaking Load	DC Resistance at 20° C Max.	Standard Length per Reel
mm <sup>2</sup>	No. / mm	mm <sup>2</sup>	mm	kg/km	kN	Ohm/km	m
21	7 / 1.96	21.1	5.88	190	6.9	0.8539	2,000
27	7 / 2.20	26.6	6.60	239	8.6	0.6773	2,000
34	7 / 2.47	33.5	7.41	302	10.9	0.5378	2,000
42	7 / 2.78	42.5	8.34	382	13.6	0.4239	2,000
54	7 / 3.12	53.5	9.36	486	17.1	0.3401	2,000
67	7 / 3.50	67.3	10.50	611	21.2	0.2704	2,000
85	7 / 3.93	84.9	11.79	771	26.7	0.2143	2,000
107	7 / 4.42	107.4	13.26	975	33.8	0.1694	2,000
126	19 / 2.91	126.4	14.55	1,147	40.3	0.1439	2,000
152	19 / 3.19	151.9	15.95	1,379	48.5	0.1198	2,000
178	19 / 3.45	177.6	17.25	1,612	55.9	0.1024	2,000
203	19 / 3.69	203.2	18.45	1,845	63.9	0.0895	2,000
228	37 / 2.80	227.8	19.60	2,068	72.7	0.0799	2,000
253	37 / 2.95	252.9	20.65	2,296	80.7	0.0719	2,000
279	37 / 3.10	279.3	21.70	2,535	89.1	0.0651	1,000
303	37 / 3.23	303.2	22.61	2,752	96.8	0.0600	1,000
329	61 / 2.62	328.9	23.58	2,985	105.0	0.0553	1,000
354	61 / 2.72	354.5	24.48	3,218	113.1	0.0513	1,000
381	61 / 2.82	381.0	25.38	3,459	121.6	0.0478	1,000
406	61 / 2.91	405.7	26.19	3,683	129.5	0.0448	1,000
457	61 / 3.09	457.4	27.81	4,153	146.0	0.0398	1,000
506	61 / 3.25	506.0	29.25	4,594	161.5	0.0360	1,000
557	61 / 3.41	557.1	30.69	5,057	175.2	0.0327	500
607	61 / 3.56	607.2	32.04	5,512	191.0	0.0300	500
631	61 / 3.63	631.3	32.67	5,731	198.5	0.0288	500
659	61 / 3.71	659.4	33.39	5,986	207.4	0.0276	500
710	61 / 3.85	710.1	34.65	6,447	223.3	0.0256	500
759	61 / 3.98	758.9	35.82	6,889	238.7	0.0240	500
812	91 / 3.37	811.7	37.07	7,369	255.3	0.0224	500

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mm <sup>2</sup>	No. / mm	mm <sup>2</sup>	mm	kg/km	kN	Ohm/km	m
861	91 / 3.47	860.6	38.17	7,812	270.7	0.0211	500
886	91 / 3.52	885.6	38.72	8,039	278.5	0.0205	500
911	91 / 3.57	910.9	39.27	8,269	286.5	0.0200	500
963	91 / 3.67	962.6	40.37	8,739	302.7	0.0189	500
1010	91 / 3.76	1010.4	41.36	9,173	317.8	0.0180	300
1267	91 / 4.21	1266.8	46.31	11,612	398.4	0.0145	300