

CURRENT CARRYING CAPACITY (AMPACITY) OF COPPER BUSBAR

Thickness (mm)	Width (mm)	Cross Sectional Area (sq.mm)	Weight/meter kg.	Current Carrying Capacity (Amperes)		
				1 bar	2 bars	3 bars
3.18	25.40	80.65	0.72	292	467	613
3.18	38.10	120.97	1.08	413	661	867
3.18	50.80	161.29	1.44	529	846	1111
5.00	25.00	125.00	1.12	370	592	777
5.00	30.00	150.00	1.34	429	686	901
5.00	40.00	200.00	1.79	547	875	1149
5.00	50.00	250.00	2.23	755	1208	1586
5.00	80.00	400.00	3.58	994	1590	2087
5.00	100.00	500.00	4.47	1197	1915	2514
6.35	25.40	161.29	1.44	430	688	903
6.35	31.75	201.61	1.80	516	826	1084
6.35	38.10	241.94	2.16	601	962	1262
6.35	50.80	322.58	2.88	767	1227	1611
6.35	76.20	483.87	4.32	1079	1726	2266
6.35	101.60	645.16	5.76	1369	2190	2875
6.35	127.00	806.45	7.20	1632	2611	3427
9.53	50.80	483.87	4.32	956	1530	2008
9.53	76.20	725.81	6.48	1328	2125	2789
9.53	101.60	967.74	8.64	1663	2661	3492
9.53	127.00	1209.68	10.80	1975	3160	4148
10.00	30.00	300.00	2.68	640	1024	1344
10.00	40.00	400.00	3.57	806	1290	1693
10.00	50.00	500.00	4.47	963	1541	2022
10.00	60.00	600.00	5.36	1118	1789	2348
10.00	80.00	800.00	7.15	1396	2234	2932
10.00	100.00	1000.00	8.93	1650	2640	3465
12.70	50.80	645.16	5.76	1113	1781	2337
12.70	76.20	967.74	8.64	1524	2438	3200
12.70	101.60	1290.32	11.52	1903	3045	3996
12.70	127.00	1612.90	14.40	2300	3680	4830