



Technical Note TN-004

Conversion Chart for American Wire Gauge to Metric

SIZE (AWG or MCM)	AMPS		CROSS-SECTIONAL AREA		APPROXIMATE DIAMETER		
	Single Conductor		Circular MILS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
	@ 75°C	Copper (NFPA)					
20	7	1020	.008	.52	.038	.97	
18	10	1620	.0013	.82	.048	1.22	
16	15	2580	.0020	1.31	.060	1.52	
14	30	4110	.0032	2.08	.078	1.98	
12	35	6530	.0051	3.31	.101	2.57	
10	50	10380	.0082	5.26	.126	3.20	
8	70	16510	.0130	8.37	.162	4.11	
6	95	26240	.0206	13.30	.215	5.46	
4	125	41740	.0328	21.15	.269	6.83	
2	170	66360	.0521	33.62	.337	8.56	
1	195	83690	.0657	42.41	.376	9.55	
1/0	230	105600	.0829	53.50	.423	10.74	
2/0	265	133100	.1045	67.43	.508	12.90	
3/0	310	167800	.1318	85.01	.576	14.63	
4/0	360	211600	.1662	107.20	.645	16.38	
250 MCM	405	250000	.1964	126.70	.713	18.11	
300 MCM	455	300000	.2356	152.00	.768	19.51	
500 MCM	620	500000	.3927	253.40	.997	25.32	

750 MCM	785	750000	.5891	380.00	1.207	30.66
1000 MCM	935	1000000	.7854	506.70	1.404	35.66

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