

2-1 Single Wire for Type "MG Strands"

Properties are in accordance with ASTM B415-92.

Nominal diameter in. (mm)	AWG (equiv.)	Cross section		Ultimate tensile strength		Breaking load		Weight		Min. aluminum thickness	
		in ²	mm ²	ksi	kg/mm ²	lb.	kg	lb./1000 ft.	kg/km	in.	mm
0.081 (2.06)	12	0.005153	3.33	195	137	1,005	457	14.72	22.0	0.00405	0.103
0.083 (2.11)	—	0.005411	3.50	195	137	1,055	479	15.46	23.0	0.00415	0.106
0.091 (2.31)	11	0.006504	4.19	195	137	1,268	574	18.58	27.6	0.00455	0.116
0.102 (2.59)	10	0.008171	5.27	195	137	1,593	722	23.35	34.7	0.00510	0.130
0.104 (2.64)	—	0.008495	5.47	195	137	1,657	750	24.27	36.1	0.00520	0.132
0.110 (2.79)	—	0.009503	6.11	195	137	1,853	838	27.15	40.3	0.00550	0.140
0.114 (2.90)	9	0.010207	6.61	195	137	1,990	905	29.16	43.5	0.00570	0.145
0.120 (3.05)	—	0.011310	7.31	195	137	2,205	1,000	32.31	48.2	0.00600	0.153
0.121 (3.07)	—	0.011499	7.40	195	137	2,242	1,010	32.85	48.8	0.00605	0.154
0.128 (3.25)	8	0.012868	8.30	195	137	2,509	1,130	36.77	54.7	0.00640	0.163
0.139 (3.53)	—	0.015175	9.79	185	130	2,807	1,270	43.36	64.5	0.00695	0.177
0.145 (3.68)	7	0.016513	10.6	180	127	2,972	1,350	47.18	70.1	0.00725	0.184
0.148 (3.75)	—	0.017203	11.0	180	127	3,097	1,400	49.15	72.8	0.00740	0.188
0.165 (4.19)	—	0.021383	13.8	170	120	3,635	1,650	61.10	90.9	0.00825	0.210
0.173 (4.39)	—	0.023506	15.1	165	120	3,878	1,810	67.16	99.8	0.00865	0.220

Density: 0.2381 lb./in³