

**TYPICAL WIRE STRANDING, INSULATION WALL THICKNESS
AND MAXIMUM AMPACITIES**

Wire Size mm ²	American Wire Gauge	No. of Strands	Min. Ave. Strand (mm)	Max Lay Length (mm)	Min.Ave. Wall (mm)	Nominal Wall	Finished Cable OD (mm)
.35	22	19	.149	16	.32	.40	1.55
.50	20	7	.315	16	.32	.40	1.75
.80	18	19	.247	16	.32	.40	1.94
1.0	16	19	.275	16	.32	.40	2.17
2.0	14	19	.353	16	.32	.40	2.58

Notes: 1.- English dimensions are for reference only.

2.- The tolerance on the finished ID shall be +/- 0.08 mm for the average of 5 readings over a 1mm (3 ft.) length. The tolerance for an individual measurement shall be +/- 0.13 mm (.005 in.)

**MAXIMUM ALLOWABLE AMPACITIES BY TEMPERATURE RATING OF WIRE
Per National Electric Code 1993**

AWG	150C	200C	250C
14	46	54	59
12	60	68	78
10	80	90	107
8	106	124	142
6	155	165	205
4	190	220	278
3	214	252	327
2	255	293	381
1	293	344	440
0	339	399	532
00	390	467	591
000	451	546	708
0000	529	629	830