

CONDUCTOR AREA IN METRIC AND ENGLISH UNITS

Metric		English	
SAE Size, mm ²	SAE Size No.	Minimum Area, Circular Mils	
0.22	24	405	
0.35	22	681	
0.5	20	1072	
0.8	18	1537	
1	16	2336	
2	14	3702	
3	12	5833	
5	10	9343	
8	8	14810	

Notes:

- 1.– English units are not direct conversions from metric
- 2.– The English units for dimensions are for information only. They do not constitute a requirement for the SAE standard.
- 3.– The metric conductor size is the approximate nominal area of the conductor.
- 4.– The SAE size number indicates that the cross sectional area of the conductor approximates the area of the American Wire Gauge for the equivalent size.
- 5.– Reference: SAE J1128, December, 2005