



# AWG vs. Harmonized

## CROSS REFERENCE

AWG	mm <sup>2</sup>
30	0.05
28	0.08
26	0.14
24	0.25
22	0.34
21	0.38
20	0.50
18	1.0
16	1.5
14	2.5
12	4.0
10	6.0
8	10
6	16
4	25
2	35
1	50
1/0	55
2/0	70
3/0	95
4/0	120

## AMP RATING

Amperage Rating of conductors involves many factors. For Power Cables there are 3 primary factors.

- Wire Size
- Temperature Rating of Conductors
- Conductor Composition (Metal & Strand Count)

## TEMP. RATING

The Standard Cable used for Power Cords is SJT for North America and H05VV-F Internationally, which utilizes PVC insulated conductors. These are generally rated for 105°C.

## CONDUCTOR

Conductors used in Power Cords generally utilize stranded copper, however there are several industry options available for current carrying conductor material.

- Copper or Alluminum
- Solid or Stranded

Keeping in mind the the variety of options discussed above, generally speaking you can expect to see the following amperages on standard power cords.

## EXAMPLE

AWG	mm <sup>2</sup>	Max Amp Rating
10	6.0	30
12	4.0	20
14	2.5	15
18	1.0	10