

## USA and China's wire Gauge comparison Buyer Beware

American Wire Gauge (AWG) is a U.S. standard set of non-ferrous wire conductor sizes. The "gauge" means the diameter. Non-ferrous includes copper, aluminum, and other materials. Copper Clad aluminum wire is manufactured in China. The strand count and size is slightly smaller compared to the American Wire Gauge (AWG). Most of the wires you see online are manufactured in China as wire manufactured in America is more expensive. Sellers claim it to be AWG because that is a commonly searched word. Some use the abbreviation GA for Gauge.

Copper Clad aluminum wire is very hard to solder. If the heat is too hot or one takes to long then the very thin copper clad will be removed from the aluminum. It is better to use mechanical connections such as screws or wire nuts when working with this wire.

### Primary Wire Specs

AP-10GA 19/0.50CCA,OD:4.5 MM PVC  $\leq 80V < 70^{\circ}C$

AP-12GA 65/0.20CCA,OD:3.9 MM PVC  $\leq 80V < 70^{\circ}C$

AP-14GA 52/0.20CCA,OD:3.0 MM PVC  $\leq 80V < 70^{\circ}C$

AP-16GA 35/0.20CCA,OD:2.8 MM PVC  $\leq 80V < 70^{\circ}C$

AP-18GA 16/0.23CCA,OD:2.5 MM PVC  $\leq 80V < 70^{\circ}C$

### Speaker Wire ( 2 conductor ) Specs

CABLE 10GA 3x32/0.20x2C CCA OD:5x10 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 12GA 64/0.20x2C CCA,OD:4x8 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 14GA 54/0.14x2C CCA,OD:3.5x7 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 16GA 25/0.20x2C CCA,OD:3x6 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 18GA 16/0.20x2C CCA,OD:2.6x5.2 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 20GA 10/0.20x2C CCA,OD:2.4x4.8 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 22GA 14/0.14x2C CCAD,OD:2.2x4.4 MM PVC  $\leq 80V < 70^{\circ}C$

CABLE 24GA 10/0.12X2C CCA,OD:1.7x3.4 MM PVC  $\leq 80V < 70^{\circ}C$

### Power Ground Wire

PS-0GA 7\*7\*62/0.15CCA OD:15.8MM PVC  $\leq 80V < 70^{\circ}C$

PS-4GA 7\*84/0.2CCA OD:10.0MM PVC  $\leq 80V < 70^{\circ}C$

PS-8GA 7\*82/0.12CCA OD:6.5MM PVC  $\leq 80V < 70^{\circ}C$

PW-0GA 7\*7\*98/0.12CCA OD:15.8MM PVC  $\leq 80V < 70^{\circ}C$

PW-4GA 7\*84/0.20TCCA OD:10.0MM PVC  $\leq 80V < 70^{\circ}C$

PW-8GA 7\*82/0.12CCA OD:6.5MM PVC  $\leq 80V < 70^{\circ}C$

PW-10GA 7\*60/0.12CCA OD:5.5MM PVC  $\leq 80V < 70^{\circ}$