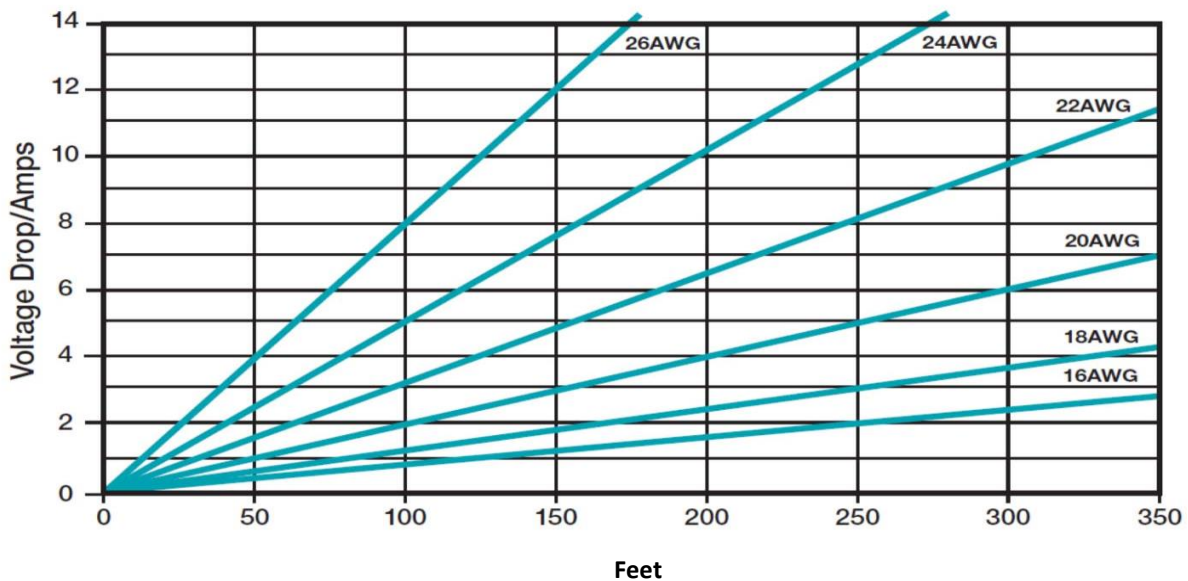


# Voltage Drop & Recommended Footage Chart

Approximate Voltage Drop at 68° F



**Note:** The chart above shows the approximate values for the AC resistive Components of the circuit impedance.

**Example:** What is the voltage drop for a 18 AWG 2/C carrying 3 amps over a distance of 100 feet?  
**Voltage-Drop** = voltage – drop/ amp x amp  
 = 1.2 x 3  
 = 3.6 Volts

## RECOMMENDED FOOTAGE/AWG AUDIO CABLE

| Acceptable Loss (%) | Maximum Cable Length (ft) |     |      |               |      |      |
|---------------------|---------------------------|-----|------|---------------|------|------|
|                     | 4 Ohm Speaker             |     |      | 8 Ohm Speaker |      |      |
|                     | 10%                       | 20% | 50%  | 10%           | 20%  | 50%  |
| 12 AWG              | 250                       | 500 | 1250 | 500           | 1000 | 2500 |
| 14 AWG              | 150                       | 300 | 750  | 300           | 600  | 1500 |
| 16 AWG              | 95                        | 190 | 475  | 190           | 380  | 950  |