

****Note** Gauge size may vary in different countries depending on the interpretation of the gauge size.**

Supplied by jagschemes@live.com.au

Typical Low Voltage Wire Sizes Guide

Air Conditioning- 10 GAUGE	Heater Switch- 10 GAUGE
Alternator- 10 GAUGE	Horn Button- 13 GAUGE
Ammeter- 10 GAUGE	Horn To Relay- 10 GAUGE
Cigarette Lighter- 14 GAUGE	Ignition Switch- 12 GAUGE
Clock- 18 GAUGE	Low-Amps Circuits- 18 GAUGE
Coil Wire- 16 GAUGE	Parking Lights- 16 GAUGE
Dome Lights- 16 GAUGE	Radio To Fuse Blocks- 14 GAUGE
Driving Lights- 14 GAUGE	Single Bulbs- 18 GAUGE
Gauges- 14 GAUGE	Starter To Relay- 16 GAUGE
Generator (Charging)- 10 GAUGE	Stoplights- 16 GAUGE
Generator To Starter- 16 GAUGE	Tail Lights- 16 GAUGE
Headlight Circuit- 14 GAUGE	Turn Signals- 16 GAUGE
Headlight Switch To Fuse Block- 12 GAUGE	CD To Fuse Block- 14 GAUGE
Heater Leads- 16 GAUGE	Windshield Wiper & Washer- 14 GAUGE

When circuit is longer than 10 feet, always use the next larger gauge size, which is the next lower even number.

Wire Gauge Selection Table 12 Volt Circuit

AMPS	3' FT	5'	7'	10'	15'	20'	25'
0 to 5	18	18	18	18	18	18	18
6	18	18	18	18	18	18	18
7	18	18	18	18	18	18	18
8	18	18	18	18	18	16	16
10	18	18	18	18	16	16	16
11	18	18	18	18	16	16	14
12	18	18	18	18	16	16	14
15	18	18	18	18	14	14	12
18	18	18	16	16	14	14	12
20	18	18	16	16	14	12	10
22	18	18	16	16	12	12	10
24	18	18	16	16	12	12	10
30	18	16	16	14	10	10	10
40	18	16	14	12	10	10	8
50	16	14	12	12	10	10	8
100	12	12	10	10	6	6	4
150	10	10	8	8	4	4	2
200	10	8	8	6	4	4	2

AMERICAN WIRE GAUGES

GAUGE	INCH	MM
10	0.102	2.59
12	0.081	2.05
16	0.051	1.29
18	0.040	1.02

STANDARD WIRE GAUGES

GAUGE	INCH	MM
10	0.128	3.25
12	0.104	2.64
16	0.064	1.63
18	0.048	1.22