

Cable Gauge Guide



Cable Length 12 Volt

(Must include ground return)

OUTPUT IN AMPS	UP TO 1.2m	1.2m-2.1m	2.1m-3.04m	3.04m-3.9m	3.9m-4.8m	4.8m-5.72m	5.72m-6.70m	6.70m-7.62m
0 - 20	3mm	5mm	5mm	6mm	6mm	8 B&S	8 B&S	8 B&S
20 - 35	5mm	6mm	8 B&S	8 B&S	6 B&S	6 B&S	6 B&S	3 B&S
35 - 50	6mm	8 B&S	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	3 B&S
50 - 65	8 B&S	8 B&S	6 B&S	3 B&S	3 B&S	3 B&S	2 B&S	2 B&S
65 - 85	8 B&S	6 B&S	3 B&S	3 B&S	2 B&S	2 B&S	2 B&S	0 B&S
85 - 105	8 B&S	6 B&S	3 B&S	2 B&S	2 B&S	0 B&S	0 B&S	0 B&S
105 - 125	6 B&S	3 B&S	3 B&S	2 B&S	0 B&S	0 B&S	0 B&S	0 B&S
125 - 150	6 B&S	3 B&S	2 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S
150 - 175	6 B&S	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S
175 - 200	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S	000 B&S
200 - 250	3 B&S	2 B&S	0 B&S	00 B&S	00 B&S	000 B&S	0000 B&S	0000 B&S
250 - 300	3 B&S	2 B&S	0 B&S	00 B&S	000 B&S	0000 B&S	2 x 00 B&S	2 x 00 B&S

Note: Cable sizes based on 0.3 Volt drop for new vehicle (maximum 0.5 Volt drop over life of vehicle). No other factors are included, such as thermal rise. On 3 wire systems, maximum voltage drop in the sense (No. 2) lead must not exceed 0.2 Volt.

Cable Length 24 Volt

(Must include ground return)

OUTPUT IN AMPS	UP TO 1.2m	1.2m-2.1m	2.1m-3.04m	3.04m-3.9m	3.9m-4.8m	4.8m-5.72m	5.72m-6.70m	6.70m-7.62m
0 - 20	3mm	3mm	4mm	5mm	5mm	5mm	6mm	6mm
20 - 35	3mm	5mm	5mm	8 B&S	8 B&S	8 B&S	8 B&S	8 B&S
35 - 50	4mm	5mm	6mm	8 B&S	8 B&S	8 B&S	6 B&S	6 B&S
50 - 65	6mm	8 B&S	8 B&S	8 B&S	6 B&S	6 B&S	6 B&S	6 B&S
65 - 85	6mm	8 B&S	8 B&S	6 B&S	6 B&S	6 B&S	3 B&S	3 B&S
85 - 105	8 B&S	8 B&S	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	3 B&S
105 - 125	8 B&S	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	3 B&S	2 B&S
125 - 150	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	2 B&S	2 B&S	2 B&S
150 - 175	8 B&S	6 B&S	3 B&S	2 B&S	2 B&S	2 B&S	0 B&S	0 B&S
175 - 200	6 B&S	3 B&S	2 B&S	2 B&S	2 B&S	0 B&S	0 B&S	00 B&S
200 - 250	6 B&S	3 B&S	2 B&S	0 B&S	0 B&S	0 B&S	00 B&S	00 B&S
250 - 300	6 B&S	2 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S
350 - 400	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S	0000 B&S
400 - 450	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	000 B&S	0000 B&S	0000 B&S

Note: Cable sizes based on 0.6 voltage drop for new vehicle (maximum 1.0 Volt drop over life of vehicle). On 3 wire systems, maximum voltage drop in the sense (No. 2) lead must not exceed 0.2 Volt.