

05

WIRE & CABLE

FILS ET CÂBLES

ALAMBRES Y CABLES

- 63 Technical information
- 64 Primary Wire
- 66 Brake Cable & Portable Extension Cable
- 67 SXL & Bonded Wire
- 68 Trailer Cable
- 70 Battery Cable
- 71 Welding Cable
- 72 Booster Cable – Twin Conductor
- 73 Wire/Cable Displays

DETERMINING WIRE AND CABLE GAUGE SIZE BY CIRCUIT AMPS AND LENGTH

TOTAL CIRCUIT AMPS	WIRE GAUGE FOR LENGTH IN FEET (TOTAL CIRCUIT LENGTH)												
	12V	3'	5'	7'	10'	15'	20'	25'	30'	40'	50'	75'	100'
1	18	18	18	18	18	18	18	18	18	18	18	18	18
3	18	18	18	18	18	18	18	18	18	18	18	14	14
5	18	18	18	18	18	18	18	18	18	16	14	12	12
7	18	18	18	18	18	18	18	16	16	14	14	10	10
10	18	18	18	18	18	16	16	16	14	12	12	10	10
15	18	18	18	18	18	14	14	12	12	12	10	8	8
20	16	16	16	16	16	14	12	10	10	10	10	8	6
24	14	14	14	14	14	12	12	10	10	10	8	6	6
30	12	12	12	12	12	10	10	10	10	10	6	4	4
40	10	10	10	10	10	10	10	8	8	6	6	4	2
50	8	8	8	8	8	8	8	8	8	6	6	2	2
100	4	4	4	4	4	4	4	4	4	4	2	1	1/0
150	2	2	2	2	2	2	2	2	2	2	1	2/0	2/0
200	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	4/0	4/0

HOW TO MATCH CABLE & EQUIPMENT

TYPE OF EQUIPMENT	TYPICAL WIRE GAUGE
Garden Tractor	8, 6, 4
Compact Car, RV	6, 4
Standard Car	4, 2
Full-size Car, Van	2, 1
Tractor, Light Truck, Construction	1/0
HD Tractor, Truck, Bus, Construction	2/0, 3/0
Extra Heavy Duty	4/0, 250 MCM

METRIC AND AWG WIRE SIZE

METRIC VALUES ARE EXPRESSED AS A RANGE AND VARY BY COUNTRY																
mm ²	0.35	0.50	0.75	1	2	3	4-5	6-8	9-13	14-21	22-35	36-42	43-53	54-68	69-86	87-107
AWG	22	20	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0

AWG: American Wire Gauge



ROHS COMPLIANCE The RoHS Directive stands for “the restriction of the use of certain hazardous substances in electrical and electronic equipment”. This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.