

Automotive Wire

SXL - GXL



Application

For use in general wiring circuits in vehicles where severe conditions such as oxidation and high temperatures may be present. These wires are approved for use in motor and vehicle engine compartments.

Specifications

- **Conductors:** Plain stranded copper.
- **Insulation:** XLPE.
- **Standards:** SAE J1128, MIL085-A, MIL085-B, MS-5919, MS-8900.
- **Fire Performance:** Flame retardant to VW-1.
- **Temperature Rating:** -51°C minimum operating temperature +125°C maximum conductor operating temperature.
- **Nominal Voltage:** 50V.

Anixter Number	Nominal Conductor Size	Overall Diameter	Approximate Weight
	AWG	mm	kg/km
SXL			
6SXL-2001-##	20	2.44	10.4
6SXL-1801-##	18	2.69	13.8
6SXL-1601-##	16	3.02	18.5
6SXL-1401-##	14	3.58	28.1
6SXL-1201-##	12	4.14	40.8
6SXL-1001-##	10	4.97	61.6
GXL			
6GXL-2001-##	20	2.11	9.1
6GXL-1801-##	18	2.34	11.8
6GXL-1601-##	16	2.57	15.6
6GXL-1401-##	14	2.97	23.7
6GXL-1201-##	12	3.56	36.0
6GXL-1001-##	10	4.39	56.2

Insert appropriate suffix for required colour of core:

0 = Black 1 = Brown 2 = Red 3 = Orange 4 = Yellow 5 = Green
6 = Blue 7 = Violet 8 = Grey 9 = White P = Pink 54 = Green/Yellow

Conversion table: See Additional Technical Information section. Other cable constructions are available on request.

Cross-Reference: AWG — Metric

Standard American Size AWG	Equivalent Metric Size mm ²	Nearest Standard Metric Size mm ²
24	0.22	0.2
22	0.325	0.35
20	0.52	0.5
18	0.82	0.75
16	1.3	1.5
14	2.1	2.5
12	3.3	4.0
10	5.27	6.0
8	8.35	10
6	13.3	16
4	21.2	25
2	33.6	35
1/0	53.4	50
2/0	67.5	70
3/0	85	95
4/0	107.2	120
250MCM	124	120/150
300MCM	149	150
350MCM	194	185/240
400MCM	199	240
444MCM	225	240
500MCM	248	240/300
535MCM	271	300
600MCM	298	300
646MCM	327	300/400
750MCM	348	300/400
777MCM	394	400
1000MCM	497	500

Where equivalent metric size is in-between standard metric sizes, it is advisable to use the larger metric size if replacement is required, although this is dependent on current load requirement, cable type, installation condition etc.