

SAE Battery Cables

Suitable for Power, Ground
and Starter Applications
125°C & 150°C EPDM
125°C & 150°C XLPE

Prestolite Wire Brand of battery cable products are used in a variety of vehicles including cars, trucks, buses, marine, tractors and off-road vehicles and industrial equipment. Prestolite Wire Brand 125°C and 150°C Battery Cables are designed to the SAE J1127 specification, manufactured in the U.S.A., and are the superior choice for various battery cable applications.

Thermoset materials (EPDM and XLPE) deliver superior performance and surpass thermoplastic (PUR, PVC) compounds in flexibility, temperature performance, flame, durability and more. Thermoset battery cables will not soften or distort from their formed shape when exposed to excessive heat or open flame. Thermoplastics (PVC) will deform under high temperatures, resulting in degradation of their physical attributes. Not only does Prestolite Wire's EPDM rubber and XLPE exhibit excellent heat-resistant characteristics, they offer many other advantages as well, such as superior abrasion and fluid resistance.

Applications

The superior product of choice for the harsh conditions encountered in the following environments:

- Automotive
- Transportation
- Motors and associated machinery
- Agriculture
- Construction equipment

Features

- Flexibility allowing for ease of installation
- Durability
- Tear resistance
- Abrasion resistance
- Melt resistance
- Resistant to oil, water and chemicals
- Impact resistance

Design Options

- Thick Wall for maximum toughness
- Thin Wall for tight routings
- Jacket colors: black, red or orange (others available upon request)

Compliances

Meets and exceeds the following requirements:

- SAE J1127
- ATA TMC RP166
- FORD
- GM
- FCA (Chrysler)
- Heavy-duty OEM specifications



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SAE J1127

Types: SGR3000: -40°C to 150°C EPDM
SGX3000: -40°C to 150°C XLPE
SGR: -40°C to 125°C EPDM
SGX: -40°C to 125° C XLPE

Voltage Rating

For nominal system voltages of 60 V rms or less

Features

Excellent pinch and abrasion
Good fluid resistance
Excellent flexibility

Conductor Size SAE No.	Min No. of Strands	Strand Size (awg)	Min. Insulation Thickness (in.)	Nom. Insulation Thickness (in.)	Max. OD (in.)
6	133	27	0.042	0.060	0.340
4	61	22	0.045	0.065	0.420
2	127	23	0.045	0.065	0.505
1	133	22	0.045	0.065	0.557
1/0	1064	30	0.045	0.065	0.600
2/0	1330	30	0.045	0.065	0.655
3/0	1672	30	0.055	0.78	0.750
4/0	2109	30	0.055	0.78	0.810
250	2368	30	0.055	0.78	0.865



800.633.6339

www.lapptannehill.com