

# Battery Cable EPDM 150°C

Suitable for Ground, Starter  
and Power Applications

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

Thermoset rubber (EPDM) delivers superior performance and surpasses thermoplastic (PUR, PVC) compounds in flexibility, temperature performance, flame, durability and more. EPDM 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 EPDM rubber exhibit excellent heat-resistant characteristics, Prestolite Wire Brand's 150°C-rated EPDM offers many other advantages as well. It provides 3,000 hour @ 150°C long-term heat aging capability but also can survive overload conditions due to being a thermoset material. The product exceeds the -40°C cold bend requirements and can deliver low temperature performance to get the job done.

## 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
- ISO
- FORD
- GM
- FCA (Chrysler)
- Heavy-duty OEM specifications



# SAE J1127

## SAE J1127 Type SGR3000

### Insulation

EPDM (3,000 hr),  
PrestoMax

### Temperature Rating

-40°C to 150°C

### Voltage Rating

Nominal system voltages  
of 60 V rms or less

### Features

Excellent pinch and abrasion  
Good fluid resistance  
Excellent flexibility  
3,000 hour heat aging

### Specifications

SAE J1127

Conductor Size (AWG)	Min. Number of Strands	Individual Strand Size (AWG)	Insulation Thickness Min. (IN)	Insulation Thickness Nom. (IN)	Diameter Max. (mm)
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	0.078	0.750
4/0	2109	30	0.055	0.078	0.810
250	2368	30	0.055	0.078	0.865