# General Purpose Automotive Battery Cable (SGT)

80°C or 105°C. 60 Volts DC or 25 Volts AC. Flexible Stranded Copper Conductor. PVC Insulation.




Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Flexible stranded bare copper. Tinned copper available upon request
2. **Insulation:** Polyvinyl Chloride (PVC). All colors available; Stripes available upon request

## APPLICATIONS AND FEATURES:

Battery cables intended for use at nominal system voltage of 60 Volts DC (25 Volts AC) or less. Can be used in harnesses made for all types of surface vehicles. Resistant to flame, ozone, hot water, abrasion, automotive fluids, temperature humidity cycling. 600 - 1000 Volt rated designs may be available upon special order.

## SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- SAE J1127 Surface Vehicle Standard Low Voltage Battery Cable

## SAMPLE PRINT LEGEND:

CF XX AWG SAE J1127 TYPE SGT XXC


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## Table 1 – Physical and Electrical Data

| Stock Number | Cond. Size | Cond. Number | Cond. Strands | Diameter Over Cond. | Insul. Thickness | Approx. OD | Approx. Weight | DC Resistance @ 25°C | AC Resistance @ 75°C |
|---|---|---|---|---|---|---|---|---|---|
| | AWG | No. | strands | inch | mil | inch | lb /1000ft | Ω /1000ft | Ω /1000ft |
| SGT | | | | | | | | | |
| F06035 | 6 | 1 | 133 | 0.186 | 60 | 0.301 | 109 | 0.435 | 0.524 |

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
*Rated 105°C
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Ampacity


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