



General Purpose Automotive Battery Cable (SGX)

125°C. 60 Volts DC or 25 Volts AC. Flexible Stranded Copper Conductor. XLPE Insulation.



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded bare copper. Tinned copper available upon request
2. **Insulation:** Cross Linked Polyethylene (XLPE). 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:

XX GA SAE J1127 TYPE SGX



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 |
| SGX | | | | | | | | | |
| F3T008 | 3/0 | 1 | 1615 | 0.480 | 85 | 0.654 | 619 | 0.069 | 0.083 |

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item