

# SGR BATTERY CABLE

105°C. 60 Volts DC and 25 Volts AC. Flexible Stranded Copper Conductor. EPR Insulation.



Image not to scale and for reference only. See Table 1 for Dimensions

## CONSTRUCTION:

**Conductors:** Flexible stranded bare copper; See Table 1 for Stranding Details

**Insulation:** Ethylene Propylene Rubber (EPR)

**Colors:** Black and Red; Other colors and stripes available upon special order. Stripes are only available for 2 AWG and smaller sizes.

## APPLICATIONS AND FEATURES:

Southwire Type SGR battery cables are 60 VDC and 25 VAC cables that can be used in harnesses made for all types of land vehicles. 600 V - 1,000 V rated designs may be available on special order. Other sizes and constructions may also be available on special order. 120°C and 125°C Type SGR battery cables may also be available on special order. Contact sales. Resistant to flame, ozone, hot water, abrasion, automotive fluids, temperature and humidity cycling.

## SPECIFICATIONS:

- ASTM B3 Soft or annealed copper
- SAE J1127 Low Voltage Battery Cable

## SAMPLE PRINT LEGEND\*:

4 GA SAE J1127 TYPE SGR



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

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TABLE 1 - WEIGHTS & MEASUREMENTS

| Stock Code               | Cond. Size (AWG) | Number of Strands | Nominal Insulation Thickness (inches) | Nominal OD (inches) | Nominal Weight (Lbs/Mft) |
|--------------------------|------------------|-------------------|---------------------------------------|---------------------|--------------------------|
| Type SGR General Purpose |                  |                   |                                       |                     |                          |
| F06149                   | 6                | 133               | 0.060                                 | 0.310               | 114                      |
| F04068                   | 4                | 133               | 0.065                                 | 0.365               | 160                      |
| F02119                   | 2                | 665               | 0.065                                 | 0.430               | 246                      |
| TBD                      | 1                | 833               | 0.065                                 | 0.461               | 313                      |
| TBD                      | 1/0              | 1026              | 0.065                                 | 0.525               | 375                      |
| TBD                      | 2/0              | 1254              | 0.065                                 | 0.587               | 455                      |
| TBD                      | 3/0              | 1615              | 0.078                                 | 0.645               | 596                      |
| TBD                      | 4/0              | 2109              | 0.078                                 | 0.709               | 758                      |

All dimensions are nominal and subject to nominal manufacturing tolerances

