

# CPE - Type SGR

Battery Cable

SAE: 90°C, J1127



| IEWC Part Number | AWG | Stranding | Nominal Insulation Thickness |     | Nominal O.D. |      | Approx. Weight |       |
|------------------|-----|-----------|------------------------------|-----|--------------|------|----------------|-------|
|                  |     |           | in                           | mm  | in           | mm   | lbs/1k ft      | kg/km |
| SGR06            | 6   | 49/23     | 0.060                        | 1.5 | 0.297        | 7.5  | 78             | 116   |
|                  |     | 137/27    | 0.060                        | 1.5 | 0.300        | 7.6  | 79             | 118   |
| SGR04            | 4   | 61/22     | 0.065                        | 1.7 | 0.353        | 9.0  | 132            | 196   |
|                  |     | 133/25    | 0.065                        | 1.7 | 0.359        | 9.1  | 132            | 196   |
|                  |     | 420/30    | 0.065                        | 1.7 | 0.389        | 9.9  | 133            | 198   |
| SGR02            | 2   | 127/23    | 0.065                        | 1.7 | 0.428        | 10.9 | 200            | 298   |
|                  |     | 133/23    | 0.065                        | 1.7 | 0.426        | 10.8 | 212            | 315   |
|                  |     | 266/26    | 0.065                        | 1.7 | 0.457        | 11.6 | 196            | 292   |
|                  |     | 665/30    | 0.065                        | 1.7 | 0.448        | 11.4 | 205            | 305   |
|                  |     | 704/30    | 0.065                        | 1.7 | 0.436        | 11.1 | 192            | 286   |
| SGR01            | 1   | 127/22    | 0.065                        | 1.7 | 0.480        | 12.2 | 247            | 368   |
|                  |     | 266/25    | 0.065                        | 1.7 | 0.498        | 12.6 | 258            | 384   |
|                  |     | 880/30    | 0.065                        | 1.7 | 0.481        | 12.2 | 257            | 382   |
| SGR1/0           | 1/0 | 127/21    | 0.065                        | 1.7 | 0.537        | 13.6 | 299            | 445   |
|                  |     | 266/24    | 0.065                        | 1.7 | 0.496        | 12.6 | 310            | 461   |
| SGR2/0           | 2/0 | 1064/30   | 0.065                        | 1.7 | 0.556        | 14.1 | 328            | 488   |
|                  |     | 127/20    | 0.065                        | 1.7 | 0.551        | 14.0 | 402            | 598   |
| SGR3/0           | 3/0 | 1408/30   | 0.065                        | 1.7 | 0.570        | 14.5 | 409            | 609   |
|                  |     | 1760/30   | 0.078                        | 2.0 | 0.640        | 16.3 | 518            | 771   |
| SGR4/0           | 4/0 | 2224/30   | 0.078                        | 2.0 | 0.722        | 18.3 | 653            | 972   |

## Notes

- Soft-annealed, bare copper conductor
- Chlorinated polyethylene (CPE) insulation
- RoHS Compliant
- Standard insulation colors: black and red

## Alternative Constructions

- Ethylene propylene diene monomer (EPDM) insulation
- Temperature rating up to 125°C

## Available Certifications

SAE: J1654  
 Ford: ESF-M1L6-A, ESF-M1L28-A,  
 ESF-M1L34-A, ESF-M164-A, ESF-  
 M165-A, EST-M1L118-A  
 Chrysler: MS-1864  
 Delphi: M-1643, M-3770

## Applications

For use in automotive, grounding, lighting, tool and appliance applications. Rated for continuous use up to 90°C.