

TYPE SGR

INTERCONNECTION BATTERY CABLE



Applications

Direct's Type SGR is a durable and versatile battery cable designed for interconnection between battery terminals and starters or grounds in automotive and other vehicular applications (e.g. car, bus, truck, tractor, etc.). Type SGR is UL listed, compliant to RoHS and SAE J1127 standards, and manufactured in the USA.

Construction

- Rope-lay, bunch-stranded 30 AWG SAE copper conductor
- Wrapped paper separator
- Jacketed with proprietary LSHF EPDM compound

[See reverse for construction details and technical specifications](#)

TYPE SGR INTERCONNECTION BATTERY CABLE						
AWG SIZE	# COND STRAND / DIAM (OR) GA	NOMINAL INSULATION THICKNESS		NOMINAL OUTSIDE DIAMETER (+JACKET)		APPROX LBS PER 1K'
		INCHES	MM	INCHES	MM	
#6	260 / 30	.060	1.52	.305	7.74	110
#4	364 / 30	.065	1.65	.333	8.45	145
#2	624 / 30	.065	1.65	.415	10.54	235
#1	767 / 30	.065	1.65	.443	11.25	282
1 / 0	975 / 30	.065	1.65	.488	12.39	351
2 / 0	1,196 / 30	.065	1.65	.526	13.36	423
3 / 0	1,547 / 30	.078	1.98	.609	15.46	553
4 / 0	1,950 / 30	.078	1.98	.674	17.11	685

All data and specifications contained herein are current and subject to change without notification. All values are nominal and/or approximate and may vary. All styles and standards dependent on conductor size.

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TYPE SGR BATTERY CABLE

TECHNICAL SPECIFICATIONS

Construction

- | | |
|---------------------|--|
| Conductors | <ul style="list-style-type: none">Rope-lay, bunch-stranded 30 AWG SAE copper conductor |
| Voltage Rating | <ul style="list-style-type: none">60 V DC; 25 V AC |
| Insulation & Jacket | <ul style="list-style-type: none">Wrapped paper separatorJacketed with proprietary low-smoke, halogen-free EPDM compoundResistant to abrasion, battery acid, diesel fuel, engine coolant, engine oil, ethanol, extreme temperatures, flame, gasoline, power-steering fluid, transmission fluid |
| Temperature Range | <ul style="list-style-type: none">-40°C (-40°F) to 105°C (221°F) (-50C imprinting available upon request) |

Standards & Certifications

- | | |
|--------------------|--|
| Industry Approvals | <ul style="list-style-type: none">UL ListedMeets battery cable requirements per:<ul style="list-style-type: none">UL 558 and UL 583UL 4127 (60 V DC; 25 V AC)SAE J1127 CompliantREACH, RoHS, CMRT, and Prop 65 Compliant |
|--------------------|--|

Standard Stock

- | | |
|-------------------|--|
| Available Lengths | <ul style="list-style-type: none">Coils/Assemblies at 25', 50', and 100'Reels at 250', 500', 1,000', and 2,500'Custom lengths available upon request |
|-------------------|--|

Customization

- | | |
|---------------------|--|
| Jacket Colors | <ul style="list-style-type: none">● Black (standard) ● Blue ● Green ● Red ● Yellow ● Orange |
| Sample Print Legend | <ul style="list-style-type: none">{AWG SIZE} SGR EXTRA FLEXIBLE BATTERY CABLE SAE J1127 -40°C +105°C MADE IN USA |
| Marking Options | <ul style="list-style-type: none">Quick Print®; Surface Print; Indent Print; Logo/Icon; Sequential Marking |