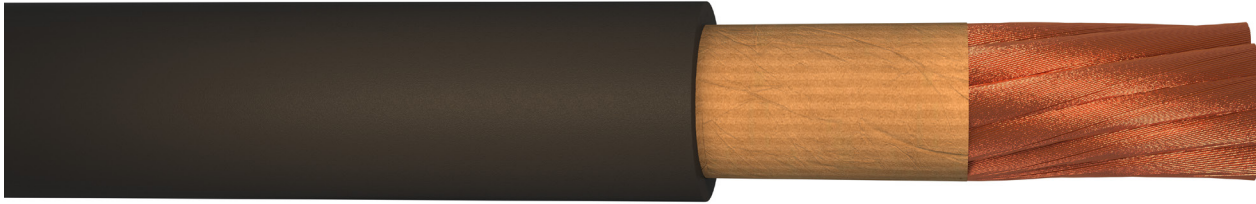


TYPE SGX

CROSS-LINKED BATTERY CABLE



Applications

Direct's Type SGX is a versatile battery cable constructed with high-quality, cross-linked polyolefin (XLPO). The cable is most commonly used for interconnection between auto/vehicle battery terminals, starters, and grounds, but is also suitable for industrial applications. Type SGX is SAE J1127 and RoHS compliant, and manufactured in the USA.

Construction

- Rope-lay, bunch-stranded SAE intermediate or ASTM Class K copper; bare (standard) or tinned (optional)
- Wrapped paper separator
- Jacketed with LSHF cross-linked XLPO compound

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

TYPE SGX | CROSS-LINKED BATTERY CABLE

| AWG SIZE | CONDUCTOR STRANDING / DIAM (OR) GA | NOMINAL INSULATION THICKNESS | | NOMINAL OUTSIDE DIAMETER (+JACKET) | | AMPACITY ¹ | APPROX LBS PER 1K' |
|----------|---------------------------------------|------------------------------|------|------------------------------------|-------|-----------------------|--------------------|
| | | INCHES | MM | INCHES | MM | | |
| #6 | 133 / .014 | .060 | 1.52 | .331 | 8.41 | 125 A | 110 |
| #4 | 133 / .017 | .065 | 1.65 | .380 | 9.65 | 170 A | 163 |
| #2 | 133 / .022 | .065 | 1.65 | .445 | 11.30 | 225 A | 250 |
| #1 | 133 / .024 | .065 | 1.65 | .479 | 12.17 | 265 A | 302 |
| 1 / 0 | 1,066 / 30 | .065 | 1.65 | .508 | 12.90 | 305 A | 384 |
| 2 / 0 | 1,339 / 30 | .065 | 1.65 | .557 | 14.15 | 355 A | 476 |
| 3 / 0 | 1,677 / 30 | .078 | 1.98 | .636 | 16.15 | 410 A | 602 |
| 4 / 0 | 2,109 / 30 | .078 | 1.98 | .699 | 17.75 | 475 A | 748 |
| 250 MCM | 2,527 / 30 | .078 | 1.98 | .757 | 19.23 | 530 A | 895 |

¹Allowable ampacity values are based on ambient temperature of 30°C in "open air."

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.



TYPE SGX CROSS-LINKED BATTERY CABLE

TECHNICAL SPECIFICATIONS

Construction

| | |
|---------------------|--|
| Conductors | <ul style="list-style-type: none">• Rope-lay, bunch-stranded SAE intermediate or ASTM Class K copper• Bare (standard) or tinned (optional) |
| Voltage Rating | <ul style="list-style-type: none">• 60 V DC; 25 V AC |
| Insulation & Jacket | <ul style="list-style-type: none">• Wrapped paper separator• Jacketed with LSHF (low-smoke, halogen-free) cross-linked XLPO compound• Resistant to abrasion, battery acid, diesel fuel, engine coolant, engine oil, ethanol, extreme temperatures, flame propagation, gasoline, power-steering fluid, and transmission fluid |
| Temperature Range | <ul style="list-style-type: none">• -40°C (-40°F) to 125°C (257°F) Dry |

Standards & Certifications

| | |
|--------------------|--|
| Industry Approvals | <ul style="list-style-type: none">• SAE J1127 Compliant• REACH, RoHS, CMRT, and Prop 65 Compliant |
|--------------------|--|

Standard Stock

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

Customization

| | |
|---------------------|---|
| Jacket Colors | <ul style="list-style-type: none">• ● Black (standard) ● Red |
| Sample Print Legend | <ul style="list-style-type: none">• {AWG} TYPE SGX FLEXIBLE BATTERY CABLE -40°C + 125°C * SAE-J1127 * MADE IN THE USA * |
| Marking Options | <ul style="list-style-type: none">• Quick Print®; Surface Print; Indent Print; Logo/Icon; Sequential Marking |