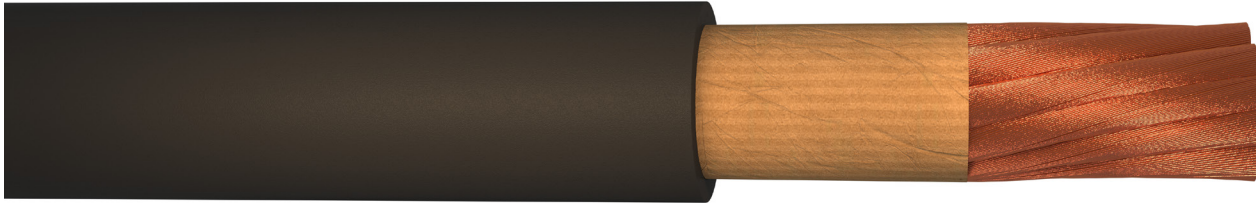


TYPE SGX

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 UL Listed, SAE J1127 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 | 30 AWG CROSS-LINKED BATTERY CABLE

AWG SIZE	STRANDING	INSULATION THICKNESS		OUTSIDE DIAMETER		AMPACITY ¹	LBS PER 1,000'
	/ DIAM (OR) GA	INCHES	MM	INCHES	MM		
#6	260 / 30	.060	1.52	.316	8.03	125 A	113
#4	364 / 30	.065	1.65	.355	9.02	170 A	153
#2	624 / 30	.065	1.65	.437	11.10	225 A	245
#1	767 / 30	.065	1.65	.465	11.81	265 A	293
1 / 0	975 / 30	.065	1.65	.510	12.95	305 A	364
2 / 0	1,196 / 30	.065	1.65	.548	13.92	355 A	438
3 / 0	1,547 / 30	.078	1.98	.634	16.09	410 A	572
4 / 0	1,950 / 30	.078	1.98	.699	17.74	475 A	707
250 MCM	2,432 / 30	.078	1.98	.789	20.03	530 A	872

TYPE SGX | 24 AWG CROSS-LINKED BATTERY CABLE

AWG SIZE	STRANDING	INSULATION THICKNESS		OUTSIDE DIAMETER		AMPACITY ¹	LBS PER 1,000'
	/ DIAM (OR) GA	INCHES	MM	INCHES	MM		
#6	70 / 24	.060	1.52	.342	8.68	125 A	119
#4	98 / 24	.065	1.65	.406	10.32	170 A	163
#2	168 / 24	.065	1.65	.458	11.62	225 A	253
#1	210 / 24	.065	1.65	.474	12.04	265 A	304
1 / 0	266 / 24	.065	1.65	.553	14.04	305 A	382
2 / 0	342 / 24	.065	1.65	.606	15.39	355 A	479
3 / 0	418 / 24	.078	1.98	.683	17.35	410 A	593
4 / 0	532 / 24	.078	1.98	.757	19.22	475 A	740

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

TYPE SGX | COMBINATION OF 133X & 30 AWG FLEXIBLE STRAND CROSS-LINKED 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	133 / .0140 (27)	.060	1.52	.321	8.15	114
#4	133 / .0170 (27)	.065	1.65	.372	9.45	162
#2	133 / .0218 (27)	.065	1.65	.437	11.10	248
#1	767 / .0100 (30)	.065	1.65	.465	11.81	293
1 / 0	975 / .0100 (30)	.065	1.65	.510	12.95	364
2 / 0	1196 / .0100 (30)	.065	1.65	.548	13.92	438
3 / 0	1547 / .0100 (30)	.078	1.98	.634	16.09	572
4 / 0	1950 / .0100 (30)	.078	1.98	.699	17.74	707
250	2432 / .0100 (30)	.078	1.98	.789	20.03	872

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"> UL Listed; UL 4127 (60 V DC; 25 V AC) Meets battery cable requirements per UL 558 and 583 SAE J1127 Compliant 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 |
| Marking Options | <ul style="list-style-type: none"> Quick Print®; Surface Print; Indent Print; Logo/Icon; Sequential Marking |

