SGX

125°C, 25/60V



Construction
Conductor: Tinned Copper or Bare Copper
Insulation: Extruded · Cross-Linked Polyolefin

Thermal Characteristics
Operating Temperature: 125°C
Optional Temperature Class: 150°C (SAE Class 4) available upon request.

Electrical Characteristics
Operating Voltage: 25/60V

Application
Automotive Battery Cable: Battery cable for starter, ground and high-current connections in surface vehicles.

General Characteristics
Abrasion & Cut-Through Resistance: Tough cross-linked insulation resists abrasion and cut-through in harness routing.
Heat Resistance: Cross-linked insulation holds up in high-temperature engine environments.

Standards & Approvals
SAE J1127: Low Voltage Battery Cable: covers battery cable for starter, ground and other high-current connections at nominal system voltages of 60 V DC / 25 V AC or less; SGX is the general-purpose type with cross-linked polyolefin insulation.

CASMO Part No.	Conductor			Insulation		Max. Overall O.D. (mm)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)	Nom. Insulation Thickness (mm)	Min. Ins. Thickness (mm)		
1140106/266-**-XX	6	266	0.254	1.52	1.06	8.6	173
1140104/420-**-XX	4	420	0.254	1.65	1.16	10.5	262
1140102/627-**-XX	2	627	0.254	1.65	1.16	12	367
1140101/837-**-XX	1	837	0.254	1.65	1.16	13	476
1140101_0/969-**-XX	1/0	969	0.254	1.65	1.16	14.5	538
1140102_0/1330-**-XX	2/0	1330	0.254	1.65	1.16	16	725
1140103_0/1547-**-XX	3/0	1547	0.254	1.98	1.39	18.5	855
1140104_0/2146-**-XX	4/0	2146	0.254	1.98	1.39	20	1158
114010250MCM/2496-**-XX	250MCM	2496	0.254	1.98	1.39	22	1332

Table Notes

† Replace XX with the color code when ordering (e.g. BK, WH, RD, GN, BN, BL, OR, YW, VT, GY, PK, TN, CL).

‡ Replace ** with the conductor code: AS for bare copper or TS for tinned copper.

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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