Primary Automotive Lead Wire

125°C. 60 Volts DC or 25 Volts AC. Flexible Stranded Copper Conductor. XLPE Insulation.

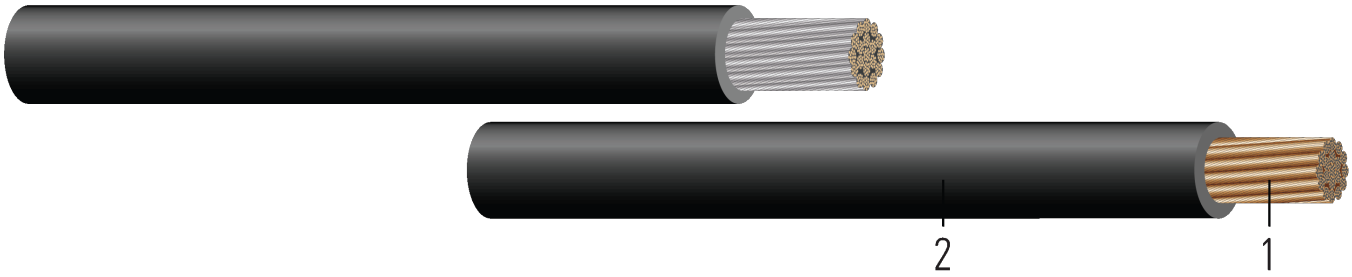


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded bare copper. Tinned copper available upon request
2. **Insulation:** Cross Linked Polyethylene (XLPE). All colors available; Stripes available upon request.

APPLICATIONS AND FEATURES:

Intended for use at nominal system voltage of 60 Volts DC (25 Volts AC) or less in surface vehicle electrical systems.

- GXL - General Purpose
- SXL - Special Purpose
- TXL - Thin Wall

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- SAE J1128 Surface Vehicle Standard Low Voltage Primary Cable
- Ford ESB-M1L85-A
- Chrysler MS-8900
- Chrysler MS-5919
- Ford ESB-M1L123A
- Chrysler MS-8288

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

Table 1 – Physical and Electrical Data

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Cond.	Insul. Thickness	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C
	AWG	No.	strands	inch	mil	inch	lb /1000ft	Ω /1000ft	Ω /1000ft
SXL									
F20024	20	1	7	0.037	29	0.096	7	11.319	13.638

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
GXL meets Ford ESB-M1L85-A, Chrysler MS-8900
SXL meets Ford ESB-M1L85-A, Chrysler MS-5919
TXL meets Ford ESB-M1L123A, Chrysler MS-8288
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Ampacity

We've got it MADE IN AMERICA

Copyright © 2026 Southwire Company, LLC. All Rights Reserved