# Primary Automotive Lead Wire

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

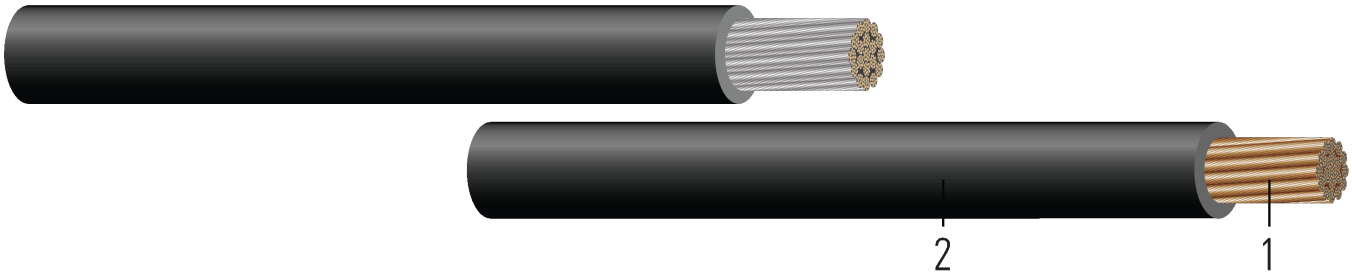



Image not to scale. See Table 1 for dimensions.

## 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


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## 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 |
| TXL | | | | | | | | | |
| F18023 | 18 | 1 | 16 | 0.044 | 16 | 0.078 | 7 | 7.148 | 8.613 |

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


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