



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
- Chrysler MS-5919
- Ford ESB-M1L123A
- Chrysler MS-8288
- Ford ESB-M1L85-A
- Chrysler MS-8900



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 |
| GXL | | | | | | | | | |
| F18021 | 18 | 1 | 16 | 0.044 | 23 | 0.092 | 8 | 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