



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



**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
<b>TXL</b>									
F22056	22	0	7	0.028	31	0.062	3	16.400	16.890
F20023	20	1	7	0.037	37	0.070	5	11.319	13.638
F18025	18	1	19	0.044	16	0.078	6	7.148	8.613
F18023	18	1	16	0.044	16	0.078	7	7.148	8.613
F16019	16	1	19	0.059	16	0.089	9	4.487	5.406
F14023	14	1	19	0.073	16	0.103	14	2.814	3.391
F12015	12	1	19	0.094	16	0.127	22	1.774	2.137
F10048	10	1	19	0.125	16	0.155	35	1.081	1.302
F08061	8	1	19	0.145	22	0.191	55	0.679	0.818
<b>GXL</b>									
F20022	20	1	7	0.037	41	0.086	6	11.319	13.638
F18022	18	1	19	0.044	43	0.092	8	7.148	8.613
F18021	18	1	16	0.044	23	0.092	8	7.148	8.613
F16014	16	1	19	0.059	23	0.103	11	4.487	5.406
F14021	14	1	19	0.073	23	0.117	16	2.814	3.391
F12012	12	1	19	0.094	23	0.143	24	1.774	2.137
F10004	10	1	19	0.125	23	0.179	39	1.081	1.302
F08011	8	1	19	0.145	26	0.216	60	0.679	0.818
<b>SXL</b>									
F20024	20	1	7	0.037	29	0.096	7	11.319	13.638
F18091	18	1	19	0.044	30	0.102	9	7.148	8.613
F18026	18	1	16	0.044	29	0.102	9	7.148	8.613
F16020	16	1	19	0.059	32	0.118	12	4.487	5.406
F14024	14	1	19	0.073	30	0.137	18	2.814	3.391
F12017	12	1	19	0.094	32	0.160	27	1.774	2.137
F10005	10	1	19	0.125	35	0.191	41	1.081	1.302
F08033	8	1	19	0.145	37	0.234	64	0.679	0.818

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.

