Primary Automotive Lead Wire

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

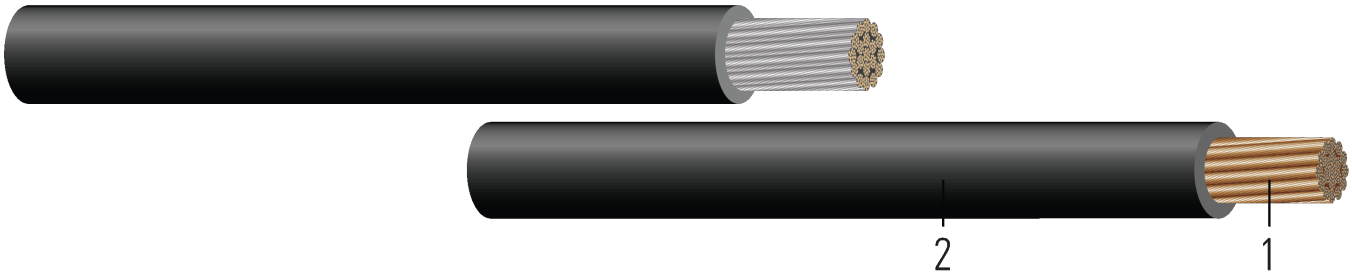


Image not to scale. See Table 1 for dimensions.

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. Strands	Diameter Over Cond.	Insul. Thickness	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C
	AWG	strands	inch	mil	inch	lb /1000ft	Ω /1000ft	Ω /1000ft
TXL								
F22056	22	7	0.028	31	0.062	3	16.400	16.890
TXL								
F20023	20	7	0.037	37	0.070	5	11.319	13.638
F18023	18	16	0.044	16	0.078	7	7.148	8.613
F18025	18	19	0.044	16	0.078	6	7.148	8.613
F16019	16	19	0.059	16	0.089	9	4.487	5.406
F14023	14	19	0.073	16	0.103	14	2.814	3.391
F12015	12	19	0.094	16	0.127	22	1.774	2.137
F10048	10	19	0.125	16	0.155	35	1.081	1.302
F08061	8	19	0.145	22	0.191	55	0.679	0.818
GXL								
F20022	20	7	0.037	41	0.086	6	11.319	13.638
F18022	18	19	0.044	43	0.092	8	7.148	8.613
F18021	18	16	0.044	23	0.092	8	7.148	8.613
F16014	16	19	0.059	23	0.103	11	4.487	5.406
F14021	14	19	0.073	23	0.117	16	2.814	3.391
F12012	12	19	0.094	23	0.143	24	1.774	2.137
F10004	10	19	0.125	23	0.179	39	1.081	1.302
F08011	8	19	0.145	26	0.216	60	0.679	0.818
SXL								
F20024	20	7	0.037	29	0.096	7	11.319	13.638
F18026	18	16	0.044	29	0.102	9	7.148	8.613
F18091	18	19	0.044	30	0.102	9	7.148	8.613
F16020	16	19	0.059	32	0.118	12	4.487	5.406
F14024	14	19	0.073	30	0.137	18	2.814	3.391
F12017	12	19	0.094	32	0.160	27	1.774	2.137
F10005	10	19	0.125	35	0.191	41	1.081	1.302
F08033	8	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.

Ampacity

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