



## General Purpose Primary Automotive Wire (GPT)

80°C or 105°C. 60 Volts DC or 25 Volts AC. Flexible Stranded Copper Conductor. PVC Insulation.

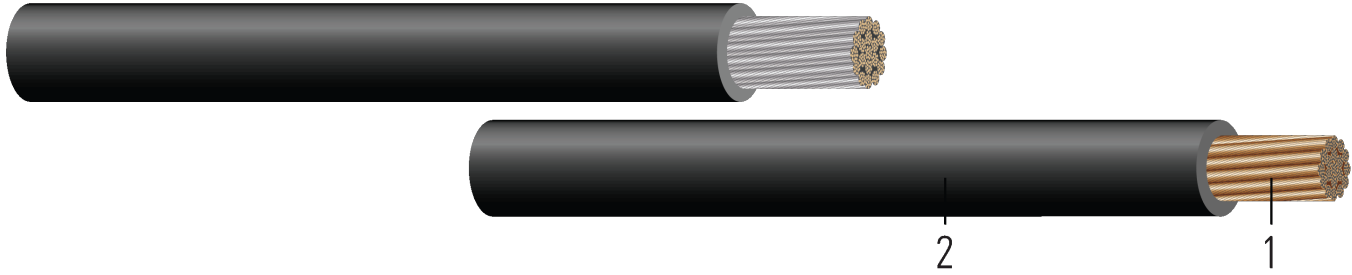


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Flexible stranded bare copper. Tinned copper available upon request
2. **Insulation:** Polyvinyl Chloride (PVC). 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.

### SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- SAE J1128 Surface Vehicle Standard Low Voltage Primary Cable
- Chrysler MS-3450 (80°C Wires)
- Chrysler MS-3450 (105°C Wires)
- Ford ESF-M1L56 (80°C Wires)
- Ford ESF-M1L58-A (105°C Wires)





**Table 1 – Physical and Electrical Data**

Stock Number	Cond. Size AWG	Cond. Strands strands	Diameter Over Cond. inch	Approx. OD inch	Approx. Weight lb /1000ft	DC Resistance @ 25°C Ω /1000ft	AC Resistance @ 75°C Ω /1000ft
<b>GPT</b>							
F20013	20	7	0.037	0.084	6	11.319	13.638
F20016	20	7	0.037	0.084	6	11.319	13.638
F18010	18	16	0.044	0.092	8	7.148	8.613
F18159	18	19	0.044	0.092	8	7.148	8.613
F18012	18	16	0.044	0.092	8	7.148	8.613
F16092	16	19	0.059	0.103	10	4.487	5.406
F16007	16	19	0.059	0.103	11	4.487	5.406
F14012	14	19	0.073	0.117	15	2.814	3.391
F14014	14	19	0.073	0.117	15	2.814	3.391
F12054	12	19	0.094	0.142	24	1.774	2.137
F12009	12	19	0.094	0.142	24	1.774	2.137
F10051	10	19	0.125	0.177	38	1.081	1.302
F10001	10	19	0.125	0.177	38	1.081	1.302
F08031	8	19	0.145	0.222	61	0.679	0.818
F08001	8	19	0.145	0.222	61	0.679	0.818

All dimensions are nominal and subject to normal manufacturing tolerances  
 ◊ Cable marked with this symbol is a standard stock item

Ampacity

