# Thin Wall Primary Automotive Wire (TWP)

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

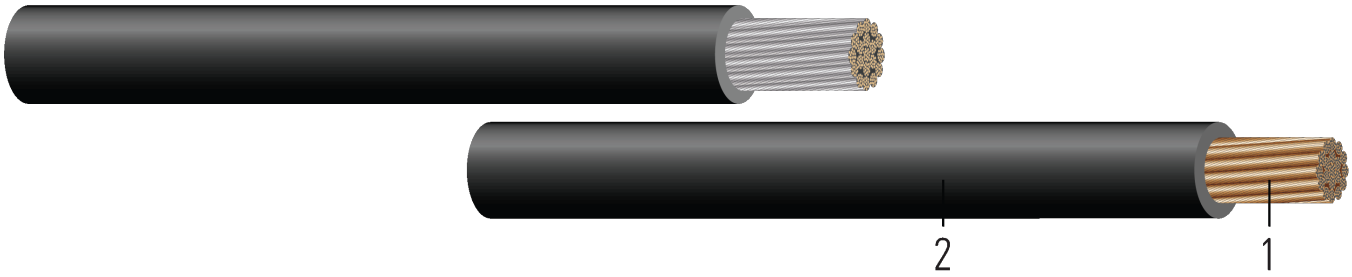


Image not to scale. See Table 1 for dimensions.

## 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
- Ford ESB-M1L120-A
- Chrysler MS-7889


Copyright © 2026 Southwire Company, LLC. All Rights Reserved

## 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 |
| TWP | | | | | | | | | |
| F10059 | 10 | 1 | 19 | 0.125 | 16 | 0.155 | 35 | 1.081 | 1.302 |

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


Copyright © 2026 Southwire Company, LLC. All Rights Reserved