Thin Wall Primary Automotive Wire (TWP)

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

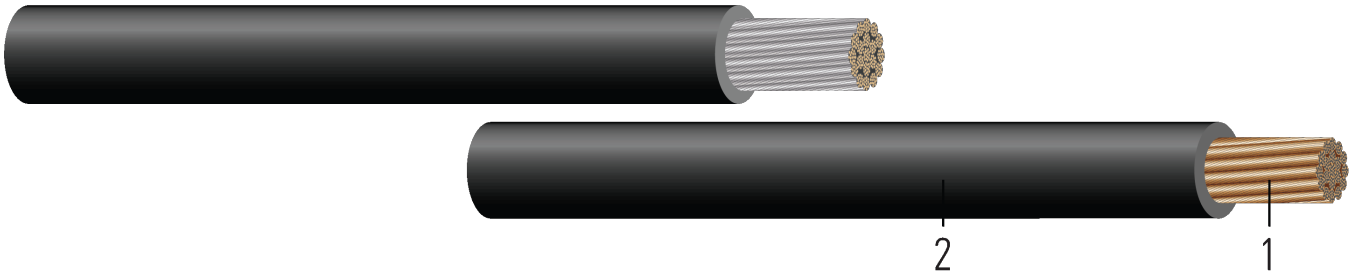

Image not to scale. See Table 1 for dimensions.

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									
F24009	20	1	1	0.032	16	0.062	1	10.503	12.655

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