Flexible Hook-Up Wire/Appliance Wire Styles 1011/1028/1231/1032

105°C Dry. 75°C Moisture Resistant. 600/1000 Volts. Flexible Stranded Copper Conductor. PVC Insulation.

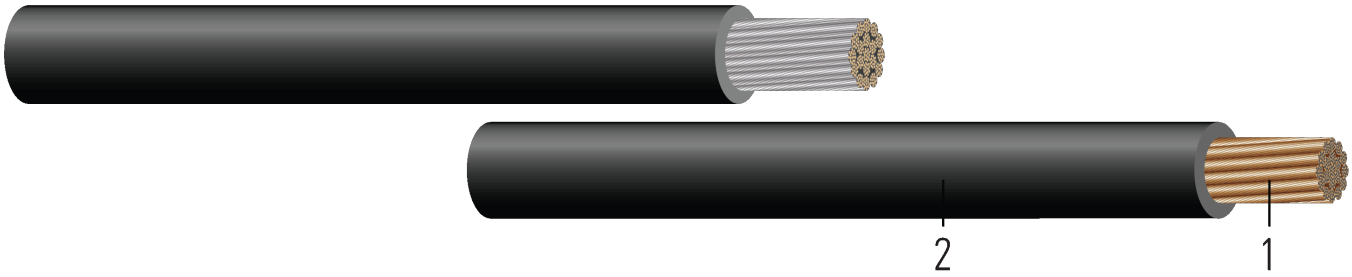

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded bare or tinned copper per ASTM B3 or B8 and B787 or B173
2. **Insulation:** Polyvinyl Chloride (PVC). All colors available; Stripes available upon request

APPLICATIONS AND FEATURES:

Designed for internal wiring of electrical equipment, control panels, appliances, and ground for use on industrial plan floor. For use as permitted by National Electrical Code® Article 310, NFPA 70, and in boat wiring in accordance with 33 CFR 183.425-435.

- AWM Style 1011: 80°C Dry, 600V
- AWM Style 1028: 105°C Dry, 600V
- AWM Style 1231: 105°C Dry, 60°C Wet, 600V
- AWM Style 1344: 105°C Dry, 75°C Wet, 600V
- AWM Style 1032: 90°C Dry, 1000V
- THHW: 90°C Dry, 75°C Wet, 600V
- Machine Tool Wiring (MTW): 90°C Dry, 60°C Wet/Oil, 600V
- BC-5W2: 105°C Dry, 75°C Wet, 600V
- TEW: 105°C Dry, 600V
- AWM I A/B: 105°C Dry, 600V

Rated for Oil Res I, Sun RES, VW-1 and FT1

SPECIFICATIONS:

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B173 Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members
- ASTM B787 19 Wire Combination Unilay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wires and Cables
- UL 758 Standard for Appliance Wiring Material
- UL 1063 Machine Tool Wiring (MTW)
- UL 1426 Electric Cables for Boats (BC-5W2)
- CSA C22.2 No. 127 Equipment and Lead Wires
- CSA C22.2 No. 210 Appliance Wiring Material Products

SAMPLE PRINT LEGEND:

8 AWG (8.37{mm2}) E69567 {UL} BC-5W2 OR MTW OR THHW OR AWM 1011/1028/1231/1344 600V OR 1032 1000V MOISTURE RESISTANT OIL RES I SUN RES VW-1 -- 156205 {CSA} TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

Table 1 – Physical and Electrical Data

Stock Number	Cond. Size	Cond. Strands	Cond. Metal	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
MTW/AWM/TEW									
F08006	8	19	Cu	0.143	45	0.242	68	0.653	0.786
F08009	8	19	TCu	0.143	45	0.242	68	0.653	0.786
F08008	8	133	Cu	0.153	45	0.252	72	0.715	0.861
F08010	8	133	TCu	0.153	45	0.252	71	0.715	0.861

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