Flexible Hook-Up Wire/Appliance Wire Styles 1011/1015/1230/1335/1032

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

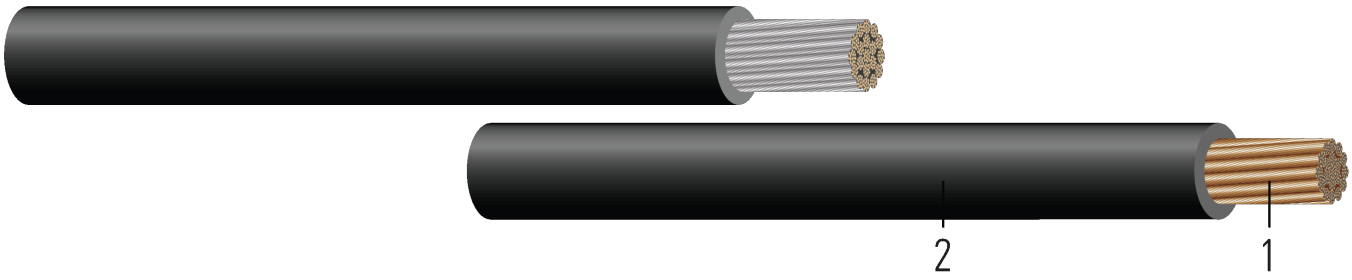

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class K, stranded bare or tinned copper per ASTM B3 or B33 and B174
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 1015: 105°C Dry, 600V
- AWM Style 1230: 105°C Dry, 60°C Wet, 600V
- AWM Style 1335: 90°C Dry, 60°C Wet/Oil, 600V
- AWM Style 1032: 90°C Dry, 1000V
- THHW: 90°C Dry, 75°C Wet, 14 - 10 AWG, 600V
- Machine Tool Wiring (MTW): 90°C Dry, 60°C Wet/Oil, 22 - 10 AWG, 600V
- BC-5W2: 105°C Dry, 75°C Wet, 16 - 10 AWG, 600V
- TEW: 105°C Dry, 22 - 10 AWG, 600V
- AWM I A/B: 105°C Dry, 22 - 10 AWG, 600V

Rated for VW-1 and FT1

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- 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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

SAMPLE PRINT LEGEND:

22 - 18 AWG:

XX AWG (XX{mm2}) E51583 {UL} MTW OR AWM 1011/1015/1230/1335 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 156205 {CSA} TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1

16 AWG:

XX AWG (XX{mm2}) E69567 {UL} BC-5W2 OR MTW FLEXING OR AWM 1011/1015/1230/1335 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 156205 {CSA} TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1

14-10 AWG:

XX AWG (XX{mm2}) E69567 {UL} BC-5W2 OR MTW FLEXING OR THHW OR AWM 1011/1015/1230/1335 600V OR 1032 1000V MOISTURE RESISTANT 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. Number	Cond. Strands	Cond. Metal	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
MTW/AWM/TEW										
F12024	12	1	65	TCu	0.094	30	0.151	26	1.774	2.137

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