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.

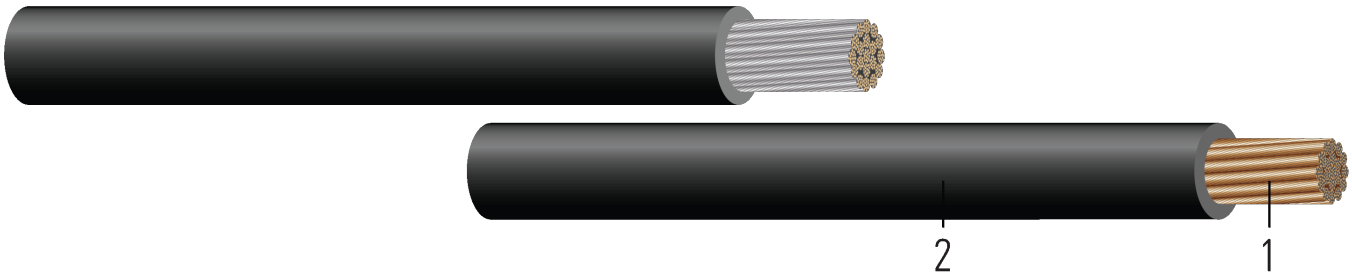

Image not to scale. See Table 1 for dimensions.

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

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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

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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									
F22027	22	7	TCu	0.028	30	0.091	5	16.400	16.890
F22023	22	7	Cu	0.028	30	0.091	5	16.400	16.890
F20037	20	10	TCu	0.037	30	0.099	7	11.319	13.638
F20033	20	10	Cu	0.037	30	0.099	6	11.319	13.638
F18054	18	16	TCu	0.044	30	0.106	9	7.148	8.613
F18043	18	16	Cu	0.044	30	0.106	9	7.148	8.613
F16032	16	26	TCu	0.059	30	0.117	12	4.487	5.406
F16027	16	26	Cu	0.059	30	0.117	12	4.487	5.406
F14037	14	41	TCu	0.073	30	0.132	18	2.814	3.391
F14032	14	41	Cu	0.073	30	0.132	18	2.814	3.391
F12024	12	65	TCu	0.094	30	0.151	26	1.774	2.137
F12022	12	65	Cu	0.094	30	0.151	26	1.774	2.137
F10012	10	105	TCu	0.117	30	0.175	40	1.111	1.339
F10010	10	105	Cu	0.117	30	0.175	40	1.111	1.339

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

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