Flexible Hook-Up Wire/Appliance Wire Styles 1007/1569 or 1581/1589

80°C or 105°C Dry. 300 Volts. Flexible Stranded Copper Conductor. PVC Insulation.

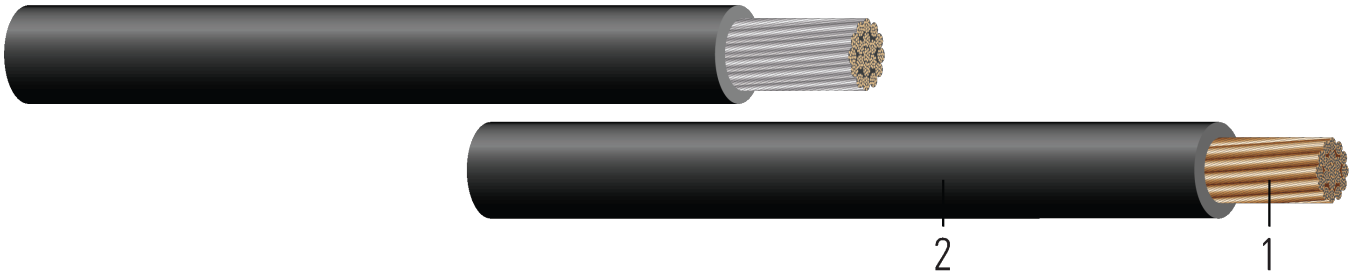

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class K, stranded bare copper or tinned copper per ASTM B3 or B8 and B174
2. **Insulation:** Polyvinyl Chloride (PVC). All colors available; Stripes available upon request

APPLICATIONS AND FEATURES:

For us in internal wiring of appliances or electronic equipment where not subject to movement or mechanical damage.

- AWM Style 1007: 80°C Dry, 300V. 24 - 16 AWG
- AWM Style 1569: 105°C Dry, 300V
- TR-64: 90°C Dry. 24 - 14 AWG
- AWM I A/B: 105°C Dry, 300V
- AWM Style 1581: 80°C Dry, 300V. 14 - 10 AWG
- 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
- CSA C22.2 No. 127 Equipment and Lead Wires
- CSA C22.2 No. 210 Appliance Wiring Material Products

SAMPLE PRINT LEGEND:

24 - 16 AWG:
XX AWG (XX{mm2}) E57498 {RU} AWM 1569 105C OR 1007 80C 300V VW-1 -- 156205 {CSA} TR-64 90°C FT1 OR AWM I A/B 105C 300V FT1
14 AWG:
14 AWG (2.08mm2) E57498 {RU} AWM 1569 105C OR 1581 80C 300V VW-1 -- 156205 {CSA} TR-64 90C FT1 OR AMW I A/B 105C 300V FT1
12 - 10 AWG:
XX AWG (XXmm2) E57498 {RU} 1569 105C OR 1581 80C 300V VW-1 -- 156205 {CSA} AWM I A/B 105C 300V 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
AWM									
F24002	24	7	TCu	0.022	15	0.057	2	26.100	26.883
F24008	24	7	Cu	0.022	15	0.057	2	26.100	26.883
F22021	22	7	TCu	0.028	15	0.062	3	16.400	16.520
F22016	22	7	Cu	0.028	15	0.062	3	16.400	16.520
F20030	20	10	TCu	0.037	15	0.067	4	11.319	13.638
F20027	20	10	Cu	0.037	15	0.067	4	11.319	13.638
F18041	18	16	TCu	0.044	15	0.079	6	7.148	8.613
F18035	18	16	Cu	0.044	15	0.079	7	7.148	8.613
F16025	16	26	TCu	0.059	15	0.091	10	4.487	5.406
F16093	16	26	Cu	0.059	15	0.091	10	4.487	5.406
F14028	14	41	TCu	0.073	16	0.110	15	2.814	3.391
F14188	14	41	Cu	0.073	16	0.110	15	2.814	3.391
F12035	12	65	TCu	0.094	16	0.123	23	1.774	2.137
F12129	12	65	Cu	0.094	16	0.123	23	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

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