

## 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:

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

### APPLICATIONS AND FEATURES:

For use 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{mm<sup>2</sup>}) 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 (2.08mm<sup>2</sup>) E57498 {RU} AWM 1569 105C OR 1581 80C 300V VW-1 -- 156205 {CSA} TR-64 90C FT1 OR AWM I A/B 105C 300V FT1

12 - 10 AWG:

XX AWG (XXmm<sup>2</sup>) E57498 {RU} 1569 105C OR 1581 80C 300V VW-1 -- 156205 {CSA} AWM I A/B 105C 300V FT1



**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            |
| AWM          |            |              |               |             |                     |                  |            |                |                      |                      |
| F20027       | 20         | 1            | 10            | Cu          | 0.037               | 15               | 0.067      | 4              | 11.319               | 13.638               |

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

