



## Flexible Hook-Up Wire/Appliance Wire Styles 1007/1569

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

- AWM Style 1007: 80°C Dry, 300V
- AWM Style 1569: 105°C Dry, 300V
- TR-64: 90°C Dry
- AWM I A/B: 105°C Dry, 300V

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:

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





**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               | 15               | 0.110      | 15             | 2.814                | 3.391                |
| F14188       | 14         | 41            | Cu          | 0.073               | 15               | 0.110      | 15             | 2.814                | 3.391                |
| F12035       | 12         | 65            | TCu         | 0.094               | 15               | 0.123      | 23             | 1.774                | 2.137                |
| F12129       | 12         | 65            | Cu          | 0.094               | 15               | 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

Ampacity

