



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.

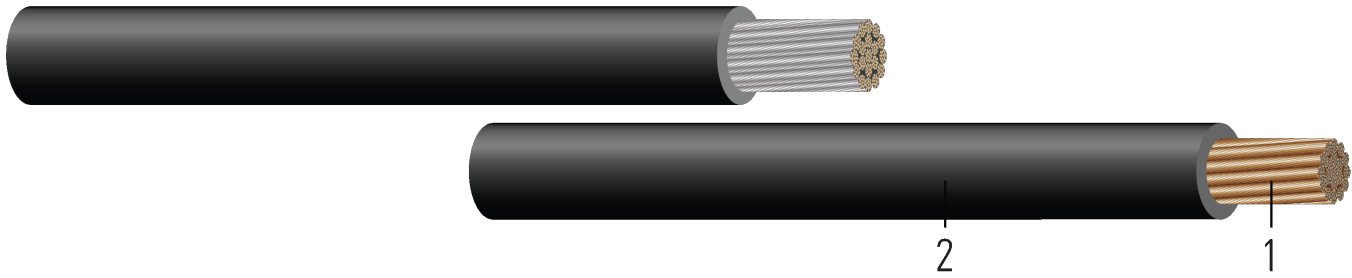


Image not to scale. See Table 1 for dimensions.

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 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{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





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 | | | | | | | | | | |
| F24002 | 24 | 0 | 7 | TCu | 0.022 | 15 | 0.057 | 2 | 26.100 | 26.883 |
| F24008 | 24 | 1 | 7 | Cu | 0.022 | 15 | 0.057 | 2 | 26.100 | 26.883 |
| F22021 | 22 | 1 | 7 | TCu | 0.028 | 15 | 0.062 | 3 | 16.400 | 16.520 |
| F22016 | 22 | 1 | 7 | Cu | 0.028 | 15 | 0.062 | 3 | 16.400 | 16.520 |
| F20030 | 20 | 1 | 10 | TCu | 0.037 | 15 | 0.067 | 4 | 11.319 | 13.638 |
| F20027 | 20 | 1 | 10 | Cu | 0.037 | 15 | 0.067 | 4 | 11.319 | 13.638 |
| F18041 | 18 | 1 | 16 | TCu | 0.044 | 15 | 0.079 | 6 | 7.148 | 8.613 |
| F18035 | 18 | 1 | 16 | Cu | 0.044 | 15 | 0.079 | 7 | 7.148 | 8.613 |
| F16025 | 16 | 1 | 26 | TCu | 0.059 | 15 | 0.091 | 10 | 4.487 | 5.406 |
| F16093 | 16 | 1 | 26 | Cu | 0.059 | 15 | 0.091 | 10 | 4.487 | 5.406 |
| F14028 | 14 | 1 | 41 | TCu | 0.073 | 16 | 0.110 | 15 | 2.814 | 3.391 |
| F14188 | 14 | 1 | 41 | Cu | 0.073 | 16 | 0.110 | 15 | 2.814 | 3.391 |
| F12035 | 12 | 1 | 65 | TCu | 0.094 | 16 | 0.123 | 23 | 1.774 | 2.137 |
| F12129 | 12 | 1 | 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

