



## Flexible Hook-Up Wire/Appliance Wire Style 3173

125°C Dry. 600/1000 Volts. Flexible Stranded Copper Conductor. XLPE Insulation.

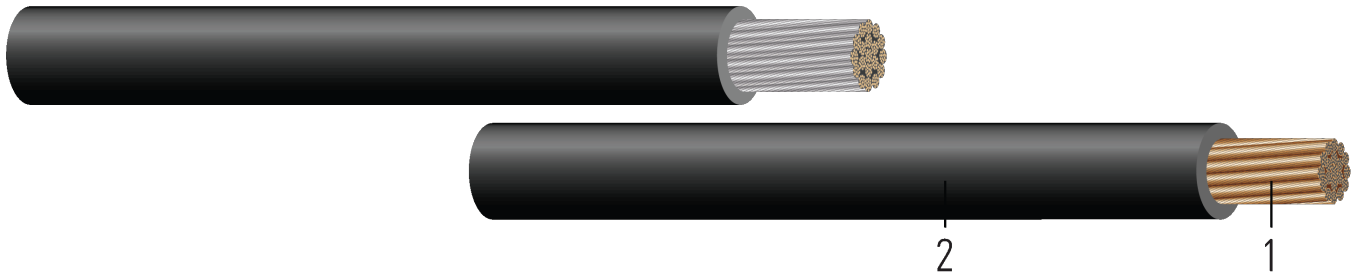


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Class K, stranded bare or tinned copper per ASTM B3 or B33 and B174
2. **Insulation:** Cross Linked Polyethylene (XLPE). All colors available; Stripes available upon request

### APPLICATIONS AND FEATURES:

Designed for use as internal wiring of electrical equipment, control panels, and appliances or for use as motor leads. Can be used as permitted by the National Electrical Code® Article 310 for sizes 14 - 10 AWG.

- AWM Style 3173: 125°C Dry, 600V
- AWM Style 3237: 105°C Dry, 1000V
- SIS: 90°C Dry, 14-10 AWG 600V
- CL1251: 125°C Dry, 600V
- AWM I A/B: 125°C Dry, 600V
- FT2 Rated - UL 758 and UL 2556 Horizontal Flame Test

### 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 44 Thermoset-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:**

**22 - 20 AWG:**

22 AWG (0.324mm<sup>2</sup>) E57498 (RU) AWM 3173 125C 600V -- 156205 CSA CL1251 125C 600V OR AWM I A/B 125C 600V FT2  
-- SUITABLE FOR "SWITCHBOARD WIRE" -- MADE IN USA

**18 - 16 AWG:**

16 AWG (1.31{mm<sup>2</sup>}) E57498 {RU} AWM 3173 125C 600V OR 3237 105C 1000V XLPE -- 156205 {CSA} CL1251 125C 600V  
OR AWM I A/B 125C 600V FT2 -- SUITABLE FOR "SWITCHBOARD WIRE" -- MADE IN USA

**14 - 10 AWG:**

14 AWG (2.08{mm<sup>2</sup>}) E30117 {UL} SIS 600V AND AWM 3173 600V OR 3237 1000V -- 156205 {CSA} CL1251 125C 600V OR  
AWM I A/B 125C 600V FT2 -- MADE IN USA





**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            |
| 3173 / CL1251              |            |              |               |             |                     |                  |            |                |                      |                      |
| F22030                     | 22         | 0            | 7             | TCu         | 0.028               | 30               | 0.090      | 5              | 16.400               | 16.890               |
| F22052                     | 22         | 1            | 7             | Cu          | 0.028               | 30               | 0.090      | 5              | 16.400               | 16.890               |
| F20046                     | 20         | 1            | 10            | TCu         | 0.037               | 30               | 0.103      | 7              | 11.319               | 13.638               |
| F20043                     | 20         | 1            | 10            | Cu          | 0.037               | 30               | 0.103      | 7              | 11.319               | 13.638               |
| 3173 / 3237 / CL1251       |            |              |               |             |                     |                  |            |                |                      |                      |
| F18082                     | 18         | 1            | 16            | TCu         | 0.044               | 30               | 0.108      | 9              | 7.148                | 8.613                |
| F18076                     | 18         | 1            | 16            | Cu          | 0.044               | 30               | 0.108      | 9              | 7.148                | 8.613                |
| F16047                     | 16         | 1            | 26            | TCu         | 0.059               | 30               | 0.119      | 13             | 4.487                | 5.406                |
| F16042                     | 16         | 1            | 26            | Cu          | 0.059               | 30               | 0.119      | 13             | 4.487                | 5.406                |
| 3173 / 3237 / SIS / CL1251 |            |              |               |             |                     |                  |            |                |                      |                      |
| F14047                     | 14         | 1            | 41            | TCu         | 0.073               | 30               | 0.133      | 19             | 2.814                | 3.391                |
| F14044                     | 14         | 1            | 41            | Cu          | 0.073               | 30               | 0.136      | 19             | 2.814                | 3.391                |
| F12032                     | 12         | 1            | 65            | TCu         | 0.094               | 30               | 0.155      | 27             | 1.774                | 2.137                |
| F12030                     | 12         | 1            | 65            | Cu          | 0.094               | 30               | 0.155      | 27             | 1.774                | 2.137                |
| F10018                     | 10         | 1            | 105           | TCu         | 0.125               | 30               | 0.170      | 39             | 1.081                | 1.302                |
| F10016                     | 10         | 1            | 105           | Cu          | 0.125               | 30               | 0.170      | 39             | 1.081                | 1.302                |

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

