



## Flexible Hook-Up Wire/Appliance Wire Styles 1011/1028/1231/1032

105°C Dry. 75°C Moisture Resistant. 600/1000 Volts. Flexible Stranded Copper Conductor. PVC Insulation.



Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Flexible stranded bare or tinned copper per ASTM B3 or B8 and B787 or B173
2. **Insulation:** Polyvinyl Chloride (PVC). All colors available; Stripes available upon request

### APPLICATIONS AND FEATURES:

Designed for internal wiring of electrical equipment, control panels, appliances, and ground for use on industrial plan floor. For use as permitted by National Electrical Code® Article 310, NFPA 70, and in boat wiring in accordance with 33 CFR 183.425-435.

- AWM Style 1011: 80°C Dry, 600V
- AWM Style 1028: 105°C Dry, 600V
- AWM Style 1231: 105°C Dry, 60°C Wet, 600V
- AWM Style 1344: 105°C Dry, 75°C Wet, 600V
- AWM Style 1032: 90°C Dry, 1000V
- THHW: 90°C Dry, 75°C Wet, 600V
- Machine Tool Wiring (MTW): 90°C Dry, 60°C Wet/Oil, 600V
- BC-5W2: 105°C Dry, 75°C Wet, 600V
- TEW: 105°C Dry, 600V
- AWM I A/B: 105°C Dry, 600V

Rated for Oil Res I, Sun RES, 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 B173 Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members
- ASTM B787 19 Wire Combination Unilay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wires and Cables
- UL 758 Standard for Appliance Wiring Material
- UL 1063 Machine Tool Wiring (MTW)
- UL 1426 Electric Cables for Boats (BC-5W2)
- CSA C22.2 No. 127 Equipment and Lead Wires
- CSA C22.2 No. 210 Appliance Wiring Material Products

**SAMPLE PRINT LEGEND:**

8 AWG (8.37{mm2}) E69567 {UL} BC-5W2 OR MTW OR THHW OR AWM 1011/1028/1231/1344 600V OR 1032 1000V  
MOISTURE RESISTANT OIL RES I SUN RES VW-1 -- 156205 {CSA} TEW 105C 600V FT1 OR AWM I A/B 105C 600V 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            |
| MTW/AWM/TEW  |            |              |               |             |                     |                  |            |                |                      |                      |
| F08006       | 8          | 0            | 19            | Cu          | 0.143               | 45               | 0.242      | 68             | 0.653                | 0.786                |
| F08009       | 8          | 1            | 19            | TCu         | 0.143               | 45               | 0.242      | 68             | 0.653                | 0.786                |
| F08008       | 8          | 1            | 133           | Cu          | 0.153               | 45               | 0.252      | 72             | 0.715                | 0.861                |
| F08010       | 8          | 1            | 133           | TCu         | 0.153               | 45               | 0.252      | 71             | 0.715                | 0.861                |

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

