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

105°C Dry. 600 Volts. Flexible Stranded Copper Conductor. PVC Insulation.

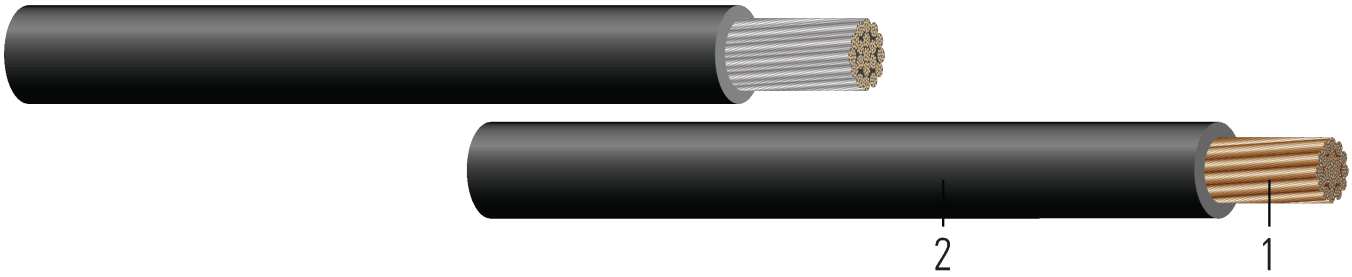


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Flexible stranded bare or tinned copper per ASTM B3 or B33
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 1028: 105°C Dry, 600V
- AWM Style 1231: 105°C Dry, 60°C Wet, 600V
- Machine Tool Wiring (MTW): 90°C Dry, 60°C Wet/Oil, 600V
- TEW: 105°C Dry, 600V
- AWM I A/B: 105°C Dry, 600V

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
- UL 758 Standard for Appliance Wiring Material
- UL 1063 Machine Tool Wiring (MTW)
- CSA C22.2 No. 127 Equipment and Lead Wires
- CSA C22.2 No. 210 Appliance Wiring Material Products

## SAMPLE PRINT LEGEND:

XX AWG (XX{mm2}) E51583 {UL} MTW OR AWM 1028 OR 1231 600V VW-1 --- 156205 {CSA} TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1


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## 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 | | | | | | | | | | |
| F12025 | 12 | 1 | 19 | Cu | 0.090 | 45 | 0.184 | 31 | 1.662 | 2.002 |

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


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