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

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

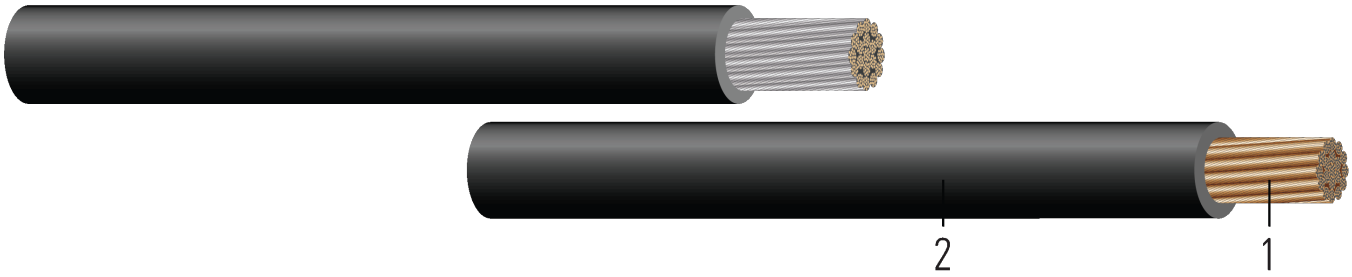

Image not to scale. See Table 1 for dimensions.

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. 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
MTW/AWM/TEW									
F12025	12	19	Cu	0.090	45	0.184	31	1.662	2.002
F10029	10	19	Cu	0.117	45	0.207	45	1.040	1.253
F10030	10	19	TCu	0.117	45	0.207	45	1.040	1.253

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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