Flexible Hook-Up Wire/Appliance Wire Styles 1232/1283/1346/10269

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

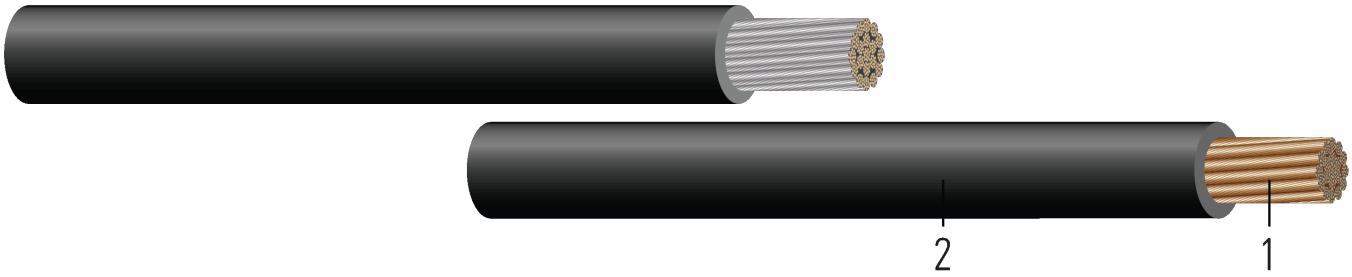

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded bare or tinned copper per ASTM B3 or 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 1232: 105°C Dry, 60°C Wet, 600V
- AWM Style 1283: 105°C Dry, 600V
- AWM Style 1346: 105°C Dry, 75°C Wet, 600V
- AWM Style 10269: 105°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, FT1, and for CT USE (sizes 1/0 and larger)

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B173 Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members
- SAE J1127 Surface Vehicle Standard Low Voltage Battery Cable
- 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

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SAMPLE PRINT LEGEND:

XXAWG (XXmm2) E69567 (UL) BC-5W2 OR MTW OR THHW OR AWM 1232/1283/1346 600V OR 10269 1000V OIL RES I SUN RES VW-1 -- 156205 (CSA) TEW 105°C 600V FT1 OR AWM I A/B 105°C 600V FT1 -- SAE J1127 TYPE SGT

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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									
F08115	8	133	TCu	0.149	60	0.295	84	0.708	0.852
F06005	6	133	Cu	0.192	60	0.324	115	0.446	0.536
F06006	6	133	TCu	0.192	60	0.324	118	0.446	0.536
F04053	4	133	Cu	0.240	60	0.387	179	0.279	0.336
F04042	4	133	TCu	0.240	60	0.387	179	0.279	0.336
F02049	2	133	Cu	0.298	60	0.452	258	0.176	0.212
F02048	2	133	TCu	0.298	60	0.472	318	0.176	0.212

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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