

FLEXIBLE HOOK-UP WIRE / APPLIANCE WIRE

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



Images not to scale and for reference only. See Table 1 for Dimensions

CONSTRUCTION:

- Conductors:** Flexible stranded bare copper; See Table 1 for Stranding Details
Insulation: Polyvinyl Chloride (PVC)
Colors: All Colors available; Stripes available upon request in 4/0 AWG and smaller sizes.

APPLICATIONS AND FEATURES:

For use in internal wiring of electrical equipment, control panels, appliances, and grounding for use on industrial plan floor. For use as permitted in NEC Article 310 and NFPA #79. For use in boat wiring in accordance with 33 CFR 183.425 - 435.

SPECIFICATIONS:

- ASTM B3
- UL 758 - Appliance Wire
 - AWM 1011/1015/1032/1230/1335 - 22 - 10 awg
 - AWM 1011/1028/1032/1230/1344 - 8 awg
 - AWM 1232/1283/1346/10269; 6 - 2 AWG
 - AWM 1232/1284/1338/10269; 1- 4/0 AWG
 - AWM 1284/1339/10269; 250 kcmil - 500 kcmil
- Voltage: 600V, AWM 10269 - 1000V
- UL 83 - Type THHW; 90°C Dry, 75°C Wet
- UL 1063 - Machine Tool Wiring (MTW); 90°C Dry, 60°C Wet/Oil
- UL 1426 - BC-5W2; Sizes - 16 to 4/0 AWG; 105°C Dry, 75°C Wet

ADDITIONAL SPECIFICATIONS:

- CSA C22.2 No. 127 - Type TEW; Sizes 22 - 4/0 awg; 105°C Dry
- CSA C22.2 No. 210 - AWM I A/B; 105°C Dry
- Oil Res I
- Sun Res - 8 AWG & larger sizes
- For CT Use - 1/0 AWG & larger sizes
- RoHS-2 Compliant

SAMPLE PRINT LEGEND:

18 AWG (0.823mm²) E51583 (PLANT ID CODE) (UL) MTW OR AWM 1011/1015/1230/1335/1345 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 156205 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1

SAMPLE PRINT LEGEND:

8 AWG (8.37mm²) E69567 (PLANT ID CODE) (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

SAMPLE PRINT LEGEND:

2 AWG (33.6mm²) E69567 (PLANT ID CODE) (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 105C 600V FT1 OR AWM I A/B 105C 600V FT1 -- SAE J1127 TYPE SGT



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com

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FLEXIBLE HOOK-UP WIRE / APPLIANCE WIRE

TABLE 1 - WEIGHTS & MEASUREMENTS

| Stock Code | Cond. Size (AWG/Kcmil) | Number of Strands | Nominal Insulation Thickness (inches) | Nominal OD (inches) | Nominal Weight (Lbs/Mft) |
|---|------------------------|-------------------|---------------------------------------|---------------------|--------------------------|
| Rated: AWM Styles 1011/1015/1032/1230/1335; UL MTW; CSA TEW & AWM | | | | | |
| F22023 | 22 | 7 | 0.030 | 0.091 | 5.5 |
| F20033 | 20 | 10 | 0.030 | 0.099 | 7.2 |
| F18043 | 18 | 16 | 0.030 | 0.106 | 9.3 |
| Rated: AWM Styles 1011/1015/1032/1230/1335; UL BC-5W2 & MTW; CSA TEW & AWM | | | | | |
| F16027 | 16 | 26 | 0.030 | 0.117 | 13 |
| Rated: AWM Styles 1011/1015/1032/1230/1335; UL BC-5W2, MTW, & THHW; CSA TEW & AWM | | | | | |
| F14032 | 14 | 41 | 0.030 | 0.132 | 19 |
| F12022 | 12 | 65 | 0.030 | 0.155 | 27 |
| F10010 | 10 | 105 | 0.030 | 0.175 | 39 |
| Rated: AWM Styles 1283/1232/1346/10269; UL BC-5W2, MTW, & THHW; CSA TEW & AWM | | | | | |
| F08008 | 8 | 133 | 0.045 | 0.252 | 70 |
| Rated: AWM Styles 1283/1232/1346/10269; UL BC-5W2, MTW, & THHW; CSA TEW & AWM | | | | | |
| F06005 | 6 | 133 | 0.060 | 0.324 | 116 |
| F04053 | 4 | 133 | 0.060 | 0.387 | 164 |
| F02049 | 2 | 133 | 0.060 | 0.452 | 256 |
| Rated: AWM Styles 1284/1232/1338/10269; UL BC-5W2, MTW, & THHW; CSA TEW & AWM | | | | | |
| F01028 | 1 | 133 | 0.060 | 0.535 | 323 |
| F1T043 | 1/0 | 259 | 0.080 | 0.561 | 401 |
| F2T040 | 2/0 | 259 | 0.080 | 0.625 | 484 |
| F3T034 | 3/0 | 259 | 0.080 | 0.666 | 605 |
| F4T029 | 4/0 | 259 | 0.080 | 0.735 | 812 |
| Rated: AWM Styles 1284/1339/10269; UL MTW & THHW; CSA AWM | | | | | |
| F25006 | 250 | 2451 | 0.095 | 0.835 | 934 |
| 51535 | 350 | 3458 | 0.095 | 0.930 | 1268 |
| 51540 | 400 | 3990 | 0.095 | 0.985 | 1421 |
| 51550 | 500 | 5054 | 0.095 | 1.080 | 1770 |
| Rated: AWM Styles 1284/1340/10269; UL MTW & THHW; CSA AWM | | | | | |
| 51478 | 750 | 7585 | 0.110 | 1.336 | 2620 |

All dimensions are nominal and subject to nominal manufacturing tolerances



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