

# 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 (0.823mm<sup>2</sup>) 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 (8.37mm<sup>2</sup>) 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 (33.6mm<sup>2</sup>) 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



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**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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