

# 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



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

Copyright © 2016 Southwire Company, LLC. All Rights Reserved

# 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



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

Copyright © 2016 Southwire Company, LLC. All Rights Reserved



**Southwire®**

# 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



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

Copyright © 2016 Southwire Company, LLC. All Rights Reserved



# 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



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

Copyright © 2016 Southwire Company, LLC. All Rights Reserved



**Southwire®**