Flexible Hook-Up Wire/Appliance Wire Style 3173

125°C Dry. 600/1000 Volts. Flexible Stranded Copper Conductor. XLPE Insulation.

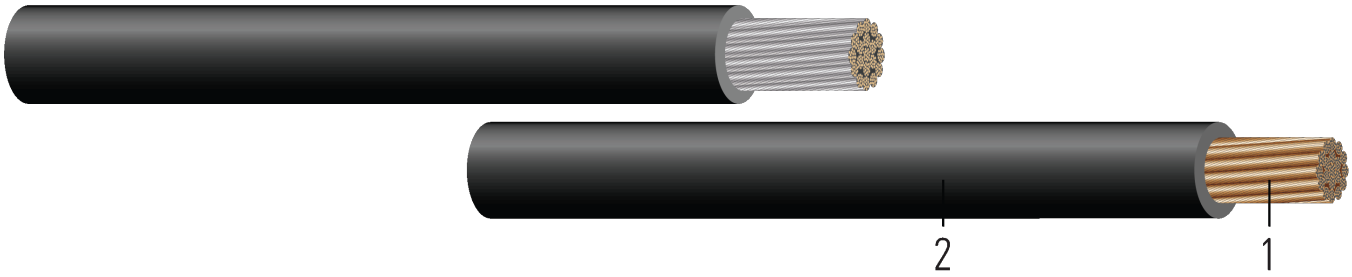


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class K, stranded bare or tinned copper per ASTM B3 or B33 and B174
2. **Insulation:** Cross Linked Polyethylene (XLPE). All colors available; Stripes available upon request

APPLICATIONS AND FEATURES:

Designed for use as internal wiring of electrical equipment, control panels, and appliances or for use as motor leads. Can be used as permitted by the National Electrical Code® Article 310 for sizes 14 - 10 AWG.

- AWM Style 3173: 125°C Dry, 600V
- AWM Style 3237: 105°C Dry, 1000V
- SIS: 90°C Dry, 14-10 AWG 600V
- CL1251: 125°C Dry, 600V
- AWM I A/B: 125°C Dry, 600V
- FT2 Rated - UL 758 and UL 2556 Horizontal Flame Test

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 44 Thermoset-Insulated Wires and Cables
- UL 758 Standard for Appliance Wiring Material
- CSA C22.2 No. 127 Equipment and Lead Wires
- CSA C22.2 No. 210 Appliance Wiring Material Products

Copyright © 2026 Southwire Company, LLC. All Rights Reserved
UPDATED: Dec. 31, 2024, 11:08 p.m.UTC REVISION: 1.000.050

SAMPLE PRINT LEGEND:

22 - 20 AWG:

22 AWG (0.324mm2) E57498 (RU) AWM 3173 125C 600V -- 156205 CSA CL1251 125C 600V OR AWM I A/B 125C 600V FT2 -- SUITABLE FOR "SWITCHBOARD WIRE" -- MADE IN USA

18 - 16 AWG:

16 AWG (1.31{mm2}) E57498 {RU} AWM 3173 125C 600V OR 3237 105C 1000V XLPE -- 156205 {CSA} CL1251 125C 600V OR AWM I A/B 125C 600V FT2 -- SUITABLE FOR "SWITCHBOARD WIRE" -- MADE IN USA

14 - 10 AWG:

14 AWG (2.08{mm2}) E30117 {UL} SIS 600V AND AWM 3173 600V OR 3237 1000V -- 156205 {CSA} CL1251 125C 600V OR AWM I A/B 125C 600V FT2 -- MADE IN USA

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

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
3173 / CL1251									
F22030	22	7	TCu	0.028	30	0.090	5	16.400	16.890
F22052	22	7	Cu	0.028	30	0.090	5	16.400	16.890
F20046	20	10	TCu	0.037	30	0.103	7	11.319	13.638
F20043	20	10	Cu	0.037	30	0.103	7	11.319	13.638
3173 / 3237 / CL1251									
F18082	18	16	TCu	0.044	30	0.108	9	7.148	8.613
F18076	18	16	Cu	0.044	30	0.108	9	7.148	8.613
F16047	16	26	TCu	0.059	30	0.119	13	4.487	5.406
F16042	16	26	Cu	0.059	30	0.119	13	4.487	5.406
3173 / 3237 / SIS / CL1251									
F14047	14	41	TCu	0.073	30	0.133	19	2.814	3.391
F14044	14	41	Cu	0.073	30	0.136	19	2.814	3.391
F12032	12	65	TCu	0.094	30	0.155	27	1.774	2.137
F12030	12	65	Cu	0.094	30	0.155	27	1.774	2.137
F10018	10	105	TCu	0.125	30	0.170	39	1.081	1.302
F10016	10	105	Cu	0.125	30	0.170	39	1.081	1.302

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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved