Flexible Hook-Up Wire/Appliance Wire Styles 3271/3289/3321/3505

150°C Dry. 600 Volts. Flexible Stranded Copper Conductor. XLPE Insulation.

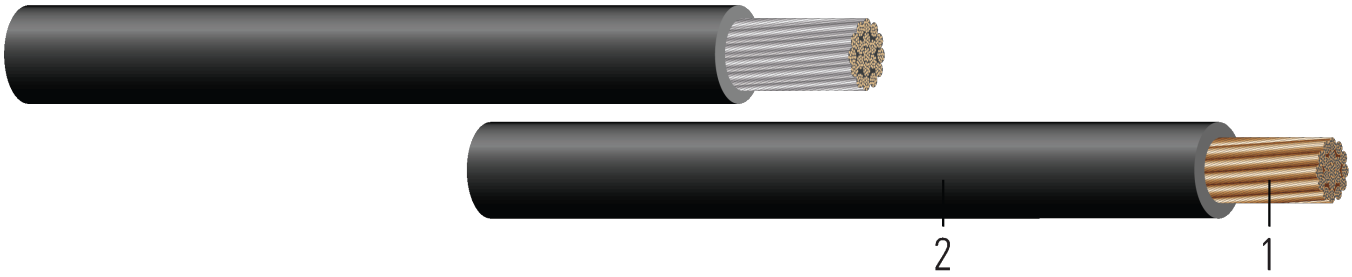


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded tinned copper per ASTM B33
2. **Insulation:** Irradiated 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 where not subject to movement or mechanical damage.

- AWM Style 3271: 125°C Dry
- AWM Style 3289: 150°C Dry
- AWM Style 3321: 150°C Dry
- AWM Style 3505: 150°C Dry
- CL1503: 150°C Dry
- AWM I A/B: 150°C Dry

SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B173 Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- 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

SAMPLE PRINT LEGEND:

XX AWG (XX{mm2}) E57498 {RU} AWM 3289/3505/3321 150°C OR 3271 125°C 600V IRR-XLPE -- 156205 CSA CL1503 150°C 600V OR AWM I A/B 150°C 600V

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
AWM									
F18249	18	16	TCu	0.044	30	0.110	9	7.148	8.613
F16100	16	26	TCu	0.059	30	0.123	13	4.487	5.406
F14096	14	41	TCu	0.073	30	0.138	18	2.814	3.391
F12065	12	65	TCu	0.094	30	0.157	27	1.774	2.137
F10058	10	105	TCu	0.125	30	0.181	40	1.081	1.302
F08040	8	133	TCu	0.145	30	0.257	73	0.679	0.818
F06029	6	133	TCu	0.186	30	0.335	120	0.435	0.524
F04019	4	133	TCu	0.235	30	0.385	174	0.274	0.330
F02018	2	259	TCu	0.290	30	0.458	344	0.172	0.207
F01018	1	259	TCu	0.300	30	0.536	269	0.137	0.164

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