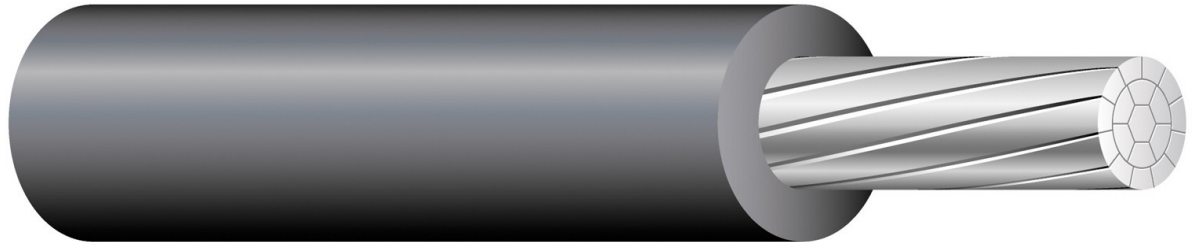


500 kcmil and larger SIMpull®

**600 Volt. AlumaFlex® Aluminum Alloy (AA-8176) Conductor.
 Cross-linked Polyethylene (XLP) Insulation.
 Moisture Resistant High Heat.
 Sunlight Resistant in Black Sizes 2 AWG and Larger.**



APPLICATIONS

Southwire Type XHHW-2 conductors are primarily used in conduit or recognized raceways for services, feeders, and branch circuit wiring as specified in the National Electrical Code. XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 volts. Suitable for use in Health Care Facilities per section 517.160 of the NEC where a dielectric constant of 3.5 or less may be specified. This product in sizes 500kcmil and larger is designed to be installed without the application of pulling lubricant.

SPECIFICATIONS

Southwire Type XHHW-2 conductors comply with the following:

- ASTM- All Applicable Standards
- UL Standard 44
- NOM-ANCE 90° C
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70, 2011 Edition
- NEMA WC 70 Construction Requirements
- 500kcmil and larger SIMpull® Product
- RoHS/Reach Compliant

CONSTRUCTION

Southwire Type XHHW-2 aluminum conductors are AlumaFlex AA-8000 series aluminum alloy, compact stranded. The insulation is an abrasion, moisture and heat resistant thermoset cross-linked polyethylene. Conductor sizes AWG 2 and larger listed and marked sunlight resistant in black only.



Southwire
 One Southwire Drive
 Carrollton, Ga. 30119 USA

greenSpec™
 RoHS Compliant



AlumaFlex
 WITH triple ALUMINUM ALLOY

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XHHW Aluminum

| Conductor | | Insulation Thickness | Nominal O.D. (mils) | Approx. Weight per 1000' (lbs) | Allowable Ampacities | | | Standard Package |
|---------------------|-------------------|----------------------|---------------------|--------------------------------|----------------------|-------|-------|------------------|
| Size (AWG or kcmil) | Number of Strands | | | | 60° C | 75° C | 90° C | |
| 8 | 7 | 45 | 227 | 30 | 35 | 40 | 45 | BCD |
| 6 | 7 | 45 | 259 | 39 | 40 | 50 | 55 | BCD |
| 4 | 7 | 45 | 303 | 57 | 55 | 65 | 75 | BCD |
| 2 | 7 | 45 | 358 | 85 | 75 | 90 | 100 | BCD |
| 1 | 18 | 55 | 409 | 108 | 85 | 100 | 115 | BC |
| 1/0 | 10 | 55 | 446 | 131 | 100 | 120 | 135 | BCD |
| 2/0 | 18 | 55 | 486 | 161 | 115 | 135 | 150 | ABCD |
| 3/0 | 18 | 55 | 533 | 198 | 130 | 155 | 175 | BCD |
| 4/0 | 18 | 55 | 585 | 243 | 150 | 180 | 205 | ABCD |
| 250 | 22 | 65 | 650 | 293 | 170 | 205 | 230 | BCD |
| 300 | 35 | 65 | 700 | 346 | 195 | 230 | 260 | BC |
| 350 | 35 | 65 | 746 | 398 | 210 | 250 | 280 | BCD |
| 400 | 35 | 65 | 789 | 449 | 225 | 270 | 305 | CD |
| 500 | 35 | 65 | 866 | 552 | 260 | 310 | 350 | ABCDE |
| 600 | 58 | 80 | 973 | 675 | 285 | 340 | 385 | ABD |
| 700 | 58 | 80 | 1037 | 777 | 315 | 375 | 425 | |
| 750 | 58 | 80 | 1068 | 829 | 320 | 385 | 435 | ABCE |
| 900 | 58 | 80 | 1162 | 979 | 355 | 425 | 480 | |
| 1000 | 58 | 80 | 1220 | 1085 | 375 | 445 | 500 | |

+ Allowable ampacities shown are for general use as specified by the National Electrical Code 2011 Edition Section 310.15 and 240.4(D). Unless the equipment is marked for use at higher temperatures the conductor ampacities shall be limited to the following per NEC 110.14(C).
 60 °C - When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors.
 75 °C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG.
 90 °C - XHHW wet or dry locations for ampacity adjustment purposes using NEC section 310.15 .
 For dwelling ampacity use section 310.15(B)(7)
 *For compact-stranded construction, the number of wires, as permitted by UL Standard 44 and ASTM B-801, may be reduced as follows:
 19-Wire Constructions -18 Wires Minimum
 37-Wire Constructions -35 Wires Minimum
 61-Wire Constructions -58 Wires Minimum

Package Code:
 A- 500'
 B- 2500'
 C- 1000'
 D- 5000'
 E- 3000'
 F- 2000'

RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Type XHHW-2, suitable for operation at 600 volts or less in wet or dry locations at temperatures not to exceed 90 °C. Conductors shall be annealed AlumaFlex™ aluminum alloy as manufactured by Southwire Company or approved equal.



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