

# Armorlite®

## Type AC



14 AWG through 2 AWG THHN/THWN Insulated Singles Wrapped in Moisture-Resistant, Flame-Retardant Paper. 16 AWG Aluminum Bond Wire. UL Listed. 600 Volts. Rated VW-1. Lightweight Aluminum Interlocked Armor.

### APPLICATIONS

Southwire Armorlite® Type AC Cable is suitable for use as follows:

- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Dry locations only.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Environmental air-handling spaces per NEC 300.22(C).
- Installation in cable tray and approved raceways.
- Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).

### STANDARDS & REFERENCES

Southwire Armorlite® Type AC Cable meets or exceeds the following requirements:

- UL 4
- UL 83
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )
- Federal Specification A-A59544 (formerly J-C-30B)
- NFPA 70 (National Electrical Code), Article 320
- Listed for use in UL 1, 2, and 3 Hour Through-Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

### CONSTRUCTION

Southwire Armorlite® Type AC Cable is constructed with soft-drawn copper, Type THHN insulated conductors which are individually wrapped with a moisture-resistant, flame-retardant paper covering. Aluminum interlocking armor is applied over the assembly. A 16 AWG aluminum bond wire is placed inside the armor, runs longitudinally and is in intimate contact with the armor for its entire length.



The Power of Connections.™



Southwire®

CONDUCTOR SIZE AND COLORS	GROUNDING/BONDING CONDUCTOR SIZE	STOCK NUMBER		WEIGHT (LBS/1000')	OVERALL DIAMETER (INCHES)
		COIL	REEL		
<b>SOLID CONDUCTOR COLORS 120/208V</b>					
14-2 SOLID (BLACK/WHITE)	16 SOLID ALUMINUM	61-02-93-01 (250')	61-02-93-02 (1000')	86	.464
14-3 SOLID (BLACK/WHITE/RED)	16 SOLID ALUMINUM	61-02-94-01 (250')	61-02-94-02 (1000')	105	.484
14-4 SOLID (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	61-02-96-01 (250')	61-02-96-02 (1000')	124	.517
12-2 SOLID (BLACK/WHITE)	16 SOLID ALUMINUM	61-02-31-01 (250')	61-02-31-02 (1000')	106	.498
12-3 SOLID (BLACK/WHITE/RED)	16 SOLID ALUMINUM	61-02-32-01 (250')	61-02-32-02 (1000')	132	.521
12-4 SOLID (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	61-02-97-01 (250')	61-02-97-02 (1000')	161	.557
10-2 SOLID (BLACK/WHITE)	16 SOLID ALUMINUM	61-02-98-01 (250')	61-02-98-01 (1000')	141	.56
10-3 SOLID (BLACK/WHITE/RED)	16 SOLID ALUMINUM	61-02-99-01 (250')	61-02-99-02 (1000')	182	.588
10-4 SOLID (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	61-03-00-01 (250')	61-03-00-02 (1000')	225	.632
<b>STRANDED CONDUCTOR COLORS 120/208V</b>					
8-2 STRANDED (BLACK/WHITE)	16 SOLID ALUMINUM	89-06-07-01 (200')	89-06-07-02 (500')	211	.686
8-3 STRANDED (BLACK/WHITE/RED)	16 SOLID ALUMINUM	89-06-08-01 (200')	89-06-08-02 (500')	319	.834
8-4 STRANDED (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	89-06-90-03 (200')	89-06-90-02 (500')	395	.895
6-2 STRANDED (BLACK/WHITE)	16 SOLID ALUMINUM	89-06-91-01 (125')	89-06-91-02 (500')	326	.868
6-3 STRANDED (BLACK/WHITE/RED)	16 SOLID ALUMINUM	89-06-92-04 (100')	89-06-92-02 (500')	432	.912
6-4 STRANDED (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	89-06-93-01 (100")	89-06-93-02 (500')	543	.981
4-3 STRANDED (BLACK/WHITE/RED)	16 SOLID ALUMINUM	89-06-95-02 (100')	89-06-95-01 (500')	633	1.061
4-4 STRANDED (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM		89-06-96-01 (500')	806	1.15
3-3 STRANDED (BLACK/WHITE/RED)	16 SOLID ALUMINUM	55-32-75-01 (100')	55-32-75-02 (500')	754	1.121
3-4 STRANDED (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	55-32-78-01 (100')	55-32-78-02 (500')	965	1.216
2-3 STRANDED (BLACK/WHITE/RED)	16 SOLID ALUMINUM	89-06-98-02 (100')	89-06-98-01 (500')	906	1.190
2-4 STRANDED (BLACK/WHITE/RED/BLUE)	16 SOLID ALUMINUM	89-06-99-01 (100')	89-06-99-03 (500')	1164	1.293
For allowable ampacities, refer to NEC 310.15.					



## FEATURES

- An armor assembly (combination of the interlocked armor & bonding strip) that is recognized as an equipment grounding conductor per NEC 250.118(8).
- Reduces installation costs up to 50% over pipe and wire.
- Lightweight aluminum armor--as much as 45% lighter than steel AC Cable.
- UL Classified 1, 2, and 3 hour Through Penetration Firestop Systems: W-J-3037, W-L-3110, W-L-3113, W-L-3117, W-L-3120, W-L-3121, W-L-3160, C-AJ-3115, C-AJ-3140, C-AJ-3142, C-AJ-3145, C-AJ-3173, C-AJ-3202, C-AJ-4065, C-AJ-4066, F-C-3038.
- Anti-short/insulating bushings supplied with every reel or coil.
- Cable reverse wound on reel for ease of pulling and installation. When pulling from coils, pull from inside to ensure ease of installation.

