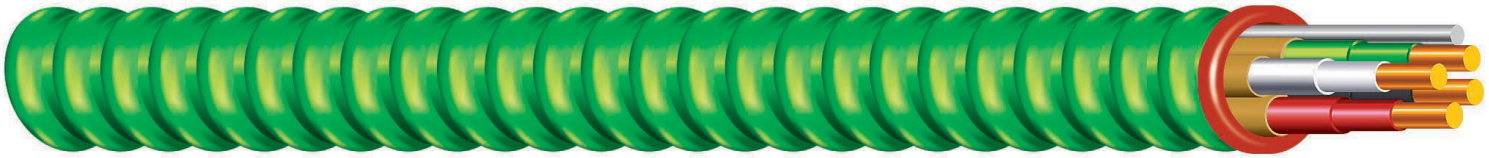
Armorlite® Type AC-HCF "Hospital Care Facility"

Green Lightweight Aluminum Interlocked Armor for Identification. 600 Volts.
Copper Power Conductors. Type ACTHH (THHN Singles).
16 AWG Aluminum Bond Wire. Copper Green Grounding Conductor.
Sizes 14 AWG through 10 AWG.



APPLICATIONS

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

- Branch and feeders for general purpose, non-essential electrical systems in patient care areas of hospitals, medical and other types of healthcare facilities. Such areas include nursing homes, dental offices, and outpatient facilities.
- Use in hazardous anesthesizing areas and essential electrical system circuits are prohibited, except as permitted per the 2011 NEC 517.30(C)(3).
- Where redundant or isolated grounding is required.
- Feeders and branch circuits.
- Dry locations only.
- Fished or embedded in plaster.
- Concealed or exposed installations.

STANDARDS & REFERENCES

Southwire Armorlite ® Type AC Cable meet or exceeds the following requirements

- UL 4
- UL 83
- Federal Specification A-A59544 (formerly J-C-30B)
- National Electrical Code
- Listed for use in UL 1, 2, and 3 Hour Through-Penetration Firestop Systems

CONSTRUCTION

Southwire Armorlite ® Type AC-HCF Cable is constructed with soft-drawn copper, Type THHN insulated conductors which are individually wrapped with a moisture-resistant, flame-retardant paper covering. A green insulated copper grounding conductor is also included. Green colored aluminum interlocking armor is applied over the assembly for easy identification. 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. Refer to color chart for conductor color sequence.

Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

MADE IN ★ THE USA

Armorlite Type AC HCF

Conductor Size (AWG)+	Solid or Stranded	Grounding Conductor Size (AWG)	Aluminum Bonding Wire Size (AWG)	Aluminum Interlocked Armor		Ampacities‡ (Amps)			Standard Package	
				Outside Diameter (inches)	Weight (lbs./1000 ft.)	60°C	75°C	90°C	Coil (feet)	Reel (feet)
12/2	19 Strands	12/19	16 sol	0.540	139	20	20	20	250	1000
10/2	Solid	10sol	16 sol	0.588	182	30	30	30	250	1000
10/2	19 Strands	10/19	16 sol	0.612	192	30	30	30	250	1000
14/2	Solid	14sol	16 sol	0.485	104	15	15	15	250	1000
12/2	Solid	12sol	16 sol	0.521	132	20	20	20	250	1000
10/3	Solid	10sol	16 sol	0.632	225	30	30	30	250	1000
14/3	Solid	14sol	16 sol	0.517	124	15	15	15	250	1000
12/3	Solid	12sol	16 sol	0.557	161	20	20	20	250	1000
10/3	19 Strands	10/19	16 sol	0.659	237	30	30	30	250	1000
12/3	19 Strands	12/19	16 sol	0.579	170	20	20	20	250	1000
14/4	Solid	14sol	16 sol	0.553	145	15	15	15	250	1000
10/4	Solid	10sol	16 sol	0.682	269	30	30	30	250	1000
12/4	Solid	12sol	16 sol	0.598	190	20	20	20	250	1000
12/4	19 Strands	12/19	16 sol	0.623	201	20	20	20	250	1000

Note: Ampacities are based on Table 310.16 of the NEC, 2011 Edition.
‡Allowable ampacities shown are for general use as specified by the National Electrical Code, 2011 Edition, Section 310.15.
If the equipment is marked for use at higher temperatures, the conductor ampacity 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 size 14 through 1 AWG conductors.
75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG.
90°C - For ampacity derating purposes.
Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.
+Circuit sizes 12 AWG and 10 AWG also available as stranded conductors.

FEATURES

- An armor assembly (combination of the interlocked armor & bonding strip) that is recognized as an equipment grounding conductor per the 2005 NEC, Articles 250.118(8) and 517.30(A).
- An insulated equipment grounding conductor sized per NEC 517.13(B) and Table 250.122.
- Green colored armor for easy identification.
- 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.
- Anit-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.

Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

MADE IN ★ THE USA

Armorlite Type AC HCF

NUMBER OF CONDUCTORS	COLOR SEQUENCE 120/208Y
2	black, white
3	black, white, red
4	black, white, red, blue
Grounding Conductor	green

NUMBER OF CONDUCTORS	COLOR SEQUENCE 277/480Y
2	brown, grey
2	orange, grey
2	yellow, grey
2	purple, grey
3	brown, yellow, grey
3	brown, orange, grey
4	brown, orange, yellow, grey
4	brown, yellow, purple, grey
Grounding Conductor	green

ONLINE CERTIFICATIONS & TOOLS

- UL Online Certification Directory (www.ul.com)
- UL Online Product Guide Info - Armored Cable (AWEZ) (www.ul.com)