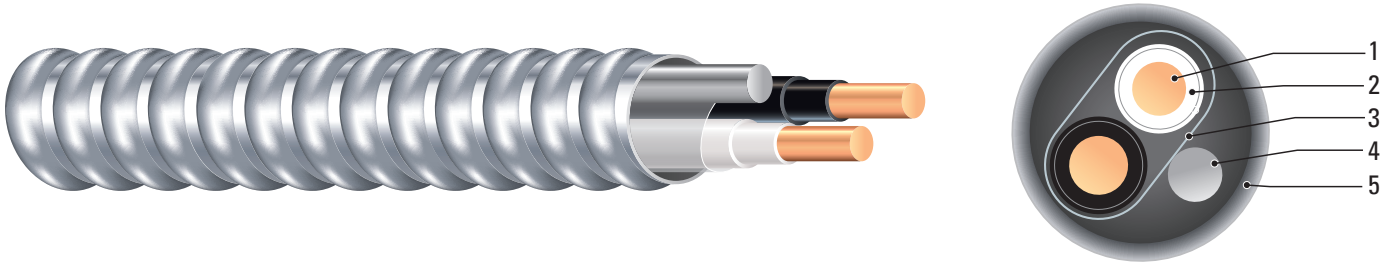


## AC90AG™ (TYPE ACG90)

No. 14 to 6 AWG, Copper Conductors, 600V / -40°C MIN, 90°C MAX, RW90



### CONSTRUCTION:

Solid copper circuit conductors, with low temperature XLPE insulation (RW90) wrapped with a polymer binder. Type ACG90™ cable construction provides a combination of interlocked aluminum armour in contact with a bare aluminum conductor as the overall bonding conductor for the cable. Rated 600 volts.

1. Copper Conductor
2. XLPE Insulation
3. Poly Tape
4. Bare Aluminum Bonding Conductor
5. Aluminum Interlock Armour

### CONDUCTOR COLOURS:

- For 2 conductor constructions: black and white circuit conductors and a bare aluminum bonding conductor.
- For 3 conductor constructions: red, black and white circuit conductors and a bare aluminum bonding conductor.
- For 4 conductor constructions: red, black, blue and white circuit conductors and a bare aluminum bonding conductor.

### APPLICATIONS AND FEATURES:

Southwire's ACG90™ is designed for open and concealed wiring in dry locations only. For use in cabletroughs and ventilated flexible cableways in dry locations only. Minimum recommended installation temperature -10°C (with suitable handling procedures).

### SPECIFICATIONS:

**Southwire's AC90AG™ cables meet or exceed the following requirements:**

- CSA Spec. C22.2 No. 51 - Armoured Cables
- CSA File Listing: LL90458
- CSA -40°C Cold Temperature Rating
- CSA -10°C Minimum recommended cold installation temperature

**Note:** 2018 Canadian Electrical Code Part 1-Rule 10-610 (2) it is not the intent of this Rule to limit the use of cable constructions such as Type ACG90 that provide a combination of armor in contact with an internal bare conductor as the overall bonding conductor for the cable. These cable constructions rely on the use of suitable fittings designed specifically for the cable (such as press fittings) as required by Rule 10-612 (1).



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## SPECIFICATIONS

Conductor				Conductor Size (AWG)*	Approximate Diameter		Approximate Net Cable Weight		Allowable Amps 30°C Ambient in Conduit **		
Size (AWG or kcmil)	# of Conductors	Insulation Thickness			inches	mm	lb/1000ft	kg/km	60°C	75°C	90°C
		inches	mm								
14	2	0.030	0.76	14	0.470	11.94	99	148	15	20	25
12	2	0.030	0.76	14	0.500	12.70	123	184	20	25	30
14	3	0.030	0.76	14	0.490	12.45	117	175	15	20	25
12	3	0.030	0.76	14	0.530	13.46	142	212	20	25	30
12	4	0.030	0.76	14	0.570	14.48	180	268	20	25	30

\* Allowable ampacities are based on the 2018 Canadian Electrical Code Part I, Table 2. Terminations must comply with Rule 14.104(2)

Other constructions available upon request. Minimum order quantities may apply. Consult your Southwire representative for details.