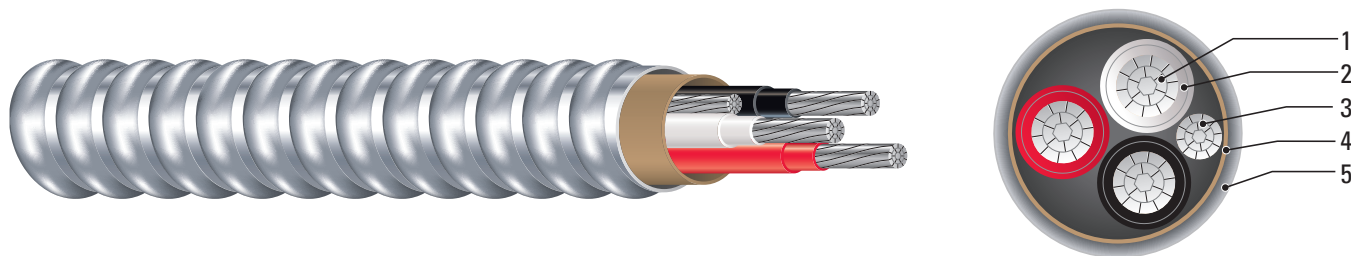


AC90 Aluminum

No. 6 & 2 AWG, Copper Conductors, 600V / -40°C MIN, 90°C MAX, XLPE (type RW90)



CONSTRUCTION:

Featuring three compact 8000 Series ACM aluminum conductors with low temperature XLPE insulation (RW90). The bare aluminum bonding wire is included in all cables. Conductor assembly is wrapped and enclosed in interlocked aluminum armour.

1. Aluminum Conductor
2. XLPE Insulation
3. Bare Bonding Conductor
4. Oil Impregnated Kraft Paper Binder
5. Aluminum Interlock Armour

CONDUCTOR COLOURS:

- For 3 conductor constructions: black, red and white plus bare bonding conductor.

APPLICATIONS AND FEATURES:

For exposed and concealed wiring such as ventilated cable trays and other dry locations only, where the maximum conductor temperature will not exceed 90°C. Minimum recommended installation temperature -10°C (with suitable handling procedures).

SPECIFICATIONS:

Southwire's AC90 aluminum cables meet or exceed the following requirements:

- 8000 Series ACM aluminum conductors
- CSA Standard C22.2, No. 51 - armoured cables
- CSA Certified file listing: LL90458, CLASS 581801 – armoured cable
- CSA -40°C cold temperature rating
- CSA -10°C minimum recommended cold temperature installation temperature
- Meets CSA cold bend and impact tests at -40°C
- Temperature rating of conductors is 90°C (maximum)
- Aluminum interlocked armour
- 600V insulation rating



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SPS_699_ELECTRICAL-E(18-03) Rev 6

SPECIFICATIONS

Southwire Stock Number	Conductor					Bare Bonding Conductor Size		Approximate Diameter		Approximate Net Cable Weight		Allowable Amps 30°C Ambient in Conduit **	
	Size (AWG or kcmil)	# of Strands	# of Conductors	Insulation Thickness		AWG	# of Strands	inches	mm	lb/1000ft	kg/km	75°C	90°C
				inches	mm								
562384	6	7	3	0.05	1.30	8	7	0.91	23.1	288	428	50	55
562386	2	6	3	0.05	1.30	6	7	28.5	28.5	486	723	90	100

* Numbers in brackets represent number of strands per conductor

** Allowable ampacities are for general use as specified by Table 4 in the 2018 Canadian Electrical Code Part I