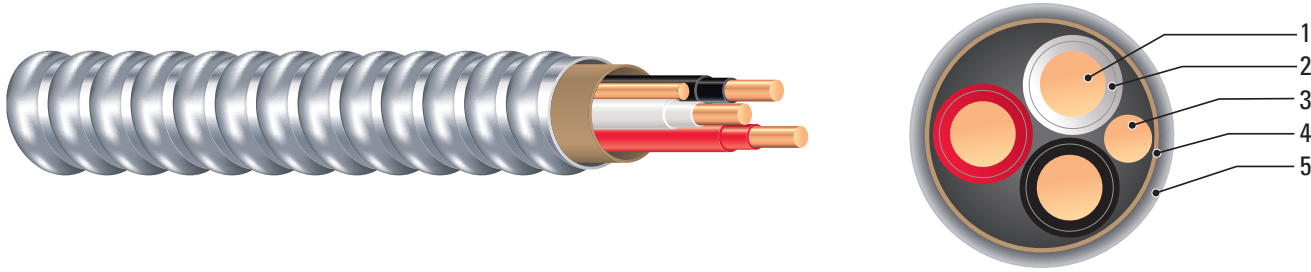


## AC90

No. 14 to 2 AWG, Copper Conductors, 600V / -40°C MIN, 90°C MAX, XLPE (type RW90)



### CONSTRUCTION:

Solid copper circuit conductors, (No. 8 AWG and larger are stranded) with low temperature XLPE insulation (RW90), copper bonding conductor, twisted assembly wrapped with a paper binder and covered with aluminum interlocking armour. Rated 600 volts.

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

### CONDUCTOR COLOURS:

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

### APPLICATIONS AND FEATURES:

Southwire's AC90 is designed for exposed and concealed wiring such as ventilated cable trays and other dry locations, where the maximum conductor temperature will not exceed 90°C. Meets CSA cold bend and impact tests at -40°C.

### SPECIFICATIONS:

Southwire's AC90 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



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## SPECIFICATIONS

Conductor				Bare Bonding 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	0.452	11.48	90	134	15*	20*	25*
12	2	0.030	0.76	14	0.486	12.34	111	165	20*	25*	30*
10	2	0.030	0.76	12	0.528	13.41	148	220	30*	35*	40*
14	3	0.030	0.76	14	0.475	12.07	109	162	15*	20*	25*
12	3	0.030	0.76	14	0.508	12.90	137	204	20*	25*	30*
10	3	0.030	0.76	12	0.554	14.07	188	280	30*	35*	40*
14	4	0.030	0.76	14	0.530	13.46	130	193	15*	20*	25*
12	4	0.030	0.76	14	0.544	13.82	165	246	20*	25*	30*
10	4	0.030	0.76	12	0.620	15.75	244	363	30*	35*	40*
3	3	0.045	1.143	6	1.038	26.36	805	1198	85	100	115

† Allowable ampacities are for general use as specified by the 2018 Canadian Electrical Code, Table 2

\* See the 2018 Canadian Electrical Code Rule 14.104(2) for details.