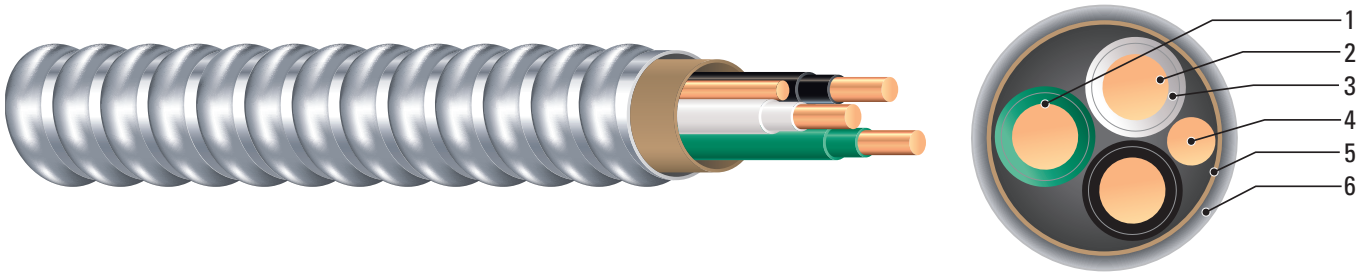


AC90 ISO-BX

No. 14, 12 & 10 AWG, Copper Conductors, 600V / -40°C MIN, 90°C MAX, RW90



CONSTRUCTION:

Solid copper circuit conductors, with low temperature XLPE insulation (RW90), two additional solid copper bonding conductors (one bare, one covered with green low temperature XLPE insulation (RW90) twisted assembly wrapped with a paper binder and covered with aluminum interlocking armour. Rated 600 volts.

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

CONDUCTOR COLOURS:

- For 2 conductor constructions: black and white circuit conductors, green isolated ground conductor, and a bare copper bonding conductor.
- For 3 conductor constructions: red, black and white circuit conductors, green isolated ground conductor, and a bare copper bonding conductor.

APPLICATIONS AND FEATURES:

Southwire's AC90 ISO-BX is designed for open and concealed wiring in dry locations only. This cable is recommended for installations where an isolated ground is required (i.e. computer and other electronic equipment or special installations). Size No. 12 with a No. 12 AWG isolated ground is acceptable for use in patient care areas in accordance with rules 24-102 and 24-104 of the 2015 Canadian Electrical Code. Minimum recommended installation temperature -10°C (with suitable handling procedures).

SPECIFICATIONS:

Southwire's AC90 ISO-BX cables meet or exceed the following requirements:

- CSA Spec. C22.2, No. 51-95 (R2013)
- CSA File Listing: LL90458 Class 58 11 01
- CSA -40°C Cold Temperature Rating
- CSA -10°C Minimum recommended cold installation temperature



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SPECIFICATIONS

Conductor		Insulation Thickness		Isolated Ground Conductor Size (AWG)*	Bare Bonding Conductor Size (AWG)	Approximate Diameter		Approximate Net Cable Weight		Allowable Ampacity (Amps) 30°C Ambient in Conduit **		
Size (AWG or kcmil)	# of Conductors	inches	mm			inches	mm	lb/1000ft	kg/km	60°C	75°C	90°C
14	2	0.030	0.76	14	14	0.491	12.5	114	169	15	20	25
12	2	0.030	0.76	12	14	0.527	13.4	137	205	20	25	30

* "Isolated Ground Conductor" covered with green low temperature XLPE insulation (RW90). Refer to the Canadian Electrical Code Part 1 2018 Section 24 (rules 24-100 to 24-116) for rules covering cables and systems containing isolated grounding conductors etc.

** Allowable ampacities are for general use as specified in the 2018 Canadian Electrical Code Part 1 table 2. See sub rule 14-104 for details.

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