

AC90 Cable

- Copper cable 600volts
- XLPE + paper binder + aluminum interlock armour

Overview

Our AC90 cables are robust and versatile, designed for use in both exposed and concealed wiring applications. These cables feature high-quality copper conductors, interlocked aluminum armor, and cross-linked polyethylene (XLPE) insulation which is wrapped by paper, suitable for residential, commercial, and industrial settings. Provides a cost-effective alternative to conduit installations.

Key Features

- Conductor Material: Solid or stranded bare copper.
- Insulation: XLPE (RW90) for exceptional heat resistance.
- Armour: Flexible aluminum interlocked armor for added durability.
- Voltage Rating: Supports up to 600 volts.
- Temperature Range: Operates between -40°C and 90°C.

AC90 cables feature:

- Solid copper circuit conductors (stranded for sizes No. 8 AWG and larger).
- XLPE insulation (RW90) for superior thermal performance.
- Bonding conductor: Bare copper.
- Aluminum interlocked armor for mechanical protection.

Performance Standards

- CSA C22.2, No. 51
- Cold bend and impact tests at -40°C.
- Flame test compliance: CSA ST1 and FT4.



Cable size (AWG)	Number of conductors	Ground wire (AWG)	Insulation Thickness		Approximate Diameter		Approximate Net Weight	
			mm	In.	mm	In.	Kg/km	Lb/1000ft
2 Conductor								
14	2	14	0.76	0.03	11.83	0.47	138	93
12	2	12	0.76	0.03	12.65	0.50	173	117
10	2	14	0.76	0.03	13.73	0.54	228	153
3 Conductor								
14	3	14	0.76	0.03	12.36	0.49	167	113
12	3	14	0.76	0.03	13.23	0.52	210	141
10	3	12	0.76	0.03	14.42	0.57	285	192
3	3	6	1.14	0.045	25.62	1.01	1195	803
4 Conductor								
14	4	14	0.76	0.03	13.35	0.53	196	132
12	4	14	0.76	0.03	14.14	0.56	254	171
10	4	12	0.76	0.03	15.65	0.62	358	241