

# AC90

## 3C14(1) AC90 CU ST1 ZERO HAL

### Contact

Inside Sales Representatives  
Phone: 905-944-4300  
buildingwire.canada@nexans.com

Nexans Ref.: 12000117

Country Ref.: 391946

EAN 13: 622089103092

(-40°C) XLPE 600 Volts 90°C Zero Halogen

## DESCRIPTION

CSA File #LL23462 Class 5811 01

Two, three or four copper or aluminum conductor material (ACM) conductors with low temperature EXELENE® cross-linked polyethylene insulation (RW90 XLPE) and bare copper or aluminum bonding wire. Conductor assembly paper wrapped and covered with bare interlocked aluminum armour. Rated 600 volts. LEAD FREE and RoHS compliant.

### Insulation Colour Coding:

2 Conductors - Black, White

3 Conductors - Black, Red, White

4 Conductors - Black, Red, Blue, White

### Application

- 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 minus 40°C (with suitable handling procedures).
- Maximum conductor temperature 90°C.
- Approved for use with ceiling fixtures.
- Armoured cable for commercial, industrial and apartment use.
- Limited Smoke Zero Halogen - CSA rated ST1 per CSA 22.2 No. 2556. Meets the FT4 flame spread test.

Nexans A90 now comes with new features available for sizes 2C14 and 2C12.

Click [here](#) to learn more about the features.



## STANDARDS

National CSA C22.2 N° 2556;  
CSA C22.2 N° 51

## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
Insulation	XLPE
With Bonding Conductor	-

### Dimensional characteristics

Approximate net weight	158.09 kg/km
Cable Diameter	12.34 mm
Conductor size (AWG)	14
Number of cores	-
Number of strands	1

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 2024-06-11 [www.nexans.ca](http://www.nexans.ca) Page 1 / 2

# AC90

3C14(1) AC90 CU ST1 ZERO HAL

## Contact

Inside Sales Representatives  
Phone: 905-944-4300  
buildingwire.canada@nexans.com

### Electrical characteristics

Maximum operating voltage	600 V
---------------------------	-------

### Usage characteristics

Maximum operating temperature	90 °C
Minimum installation temperature	-40 °C