

# AC90

3C8(7) AC90 CU ST1 ZERO HAL

## Contact

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(-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 | 508 kg/km |
| Cable Diameter         | 18.8 mm   |
| Conductor size (AWG)   | 8         |
| Number of cores        | -         |
| Number of strands      | 7         |

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.

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**Electrical characteristics**

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

**Usage characteristics**

|                               |       |
|-------------------------------|-------|
| Maximum operating temperature | 90 °C |
|-------------------------------|-------|

|                                  |        |
|----------------------------------|--------|
| Minimum installation temperature | -40 °C |
|----------------------------------|--------|