



**Nexans Ref.:** 12001376  
**Country Ref.:** 649772  
**EAN 13:** 622089106536



### CONTACT

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Residential cable

### STANDARDS

**Product** CSA C22.2 N° 48

CSA File #LL23462 Class 5821 02

Two or three copper conductors with 90°C PVC and nylon insulation.

Bare bonding wire and overall jacket of moisture resistant and flame retardant PVC, with FT1 rating.

LEAD FREE.

#### Nexans NMD90 CANADEX® Jacket colours:

#14 AWG - White 2 & 3C #14 for General Application

- Blue 2C#14 for Bedroom Outlets terminating at Arc Fault Circuit Interrupters

(AFCI)

#12 AWG - Yellow

#10 AWG - Orange

#8 AWG and larger - White

#### NMD90 CANADEX® Insulation colours:

2 Conductors - Black, White

3 Conductors - Black, Red, White

#### Residential Applications for NMD90 CANADEX® :

- For open or concealed wiring in dry or damp locations where not exposed to mechanical injury.
- Maximum conductor temperature 90°C.
- Approved for use with ceiling fixtures.
- Minimum recommended handling temperature minus 25°C for 2 conductor cables and minus 10°C for 3 conductor cables (with suitable handling procedures).

## CHARACTERISTICS

### Construction characteristics

Conductor Material	Copper
Insulation	PVC/Nylon
Insulation Colour	White
Number of conductors	3
With Bonding Conductor	Yes

### Dimensional characteristics

Approximate Net Weight	601 kg/km
Bare Ground Size (AWG)	6
Conductor Diameter (mm)	4.67
Conductor size (AWG)	6 AWG
External dimensions	17.2 mm
Jacket Thickness	1.14 mm

### Dimensional characteristics

Nominal insulation thickness	1.14 mm
Number of Conductors	3
Number of Strands	7
Nylon thickness	0.15 mm

### Electrical characteristics

Maximum operating voltage	300 V
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### Usage characteristics

Maximum operating temperature	90 °C
Minimum installation temperature	-25 °C

## ENVIRONMENTAL DATA

This product is part of the **low carbon** range of Nexans : a selection of products ensuring the reduction of the carbon footprint and subject to rigorous ecodesign criteria.

Nexans Low Carbon Selection Criteria: minimum integration of 10% recycled copper or aluminum and/or 100% low-carbon aluminum sourcing.

#### Global Carbon Footprint

**2.24 t**

- Amount of CO<sub>2</sub> emitted Cradle to Gate phase (raw material collection and manufacturing), for the production of 1 km of cable.

#### Recycled copper ratio

**14%**

- Percentage of recycled metal in the cable conductor.