



Nexans Ref.: 12000115
Country Ref.: 391664
EAN 13: 622089103115



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	370 kg/km
Bare Ground Size (AWG)	10
Conductor Diameter (mm)	3.71
Conductor size (AWG)	8 AWG
External dimensions	14.1 mm
Jacket Thickness	1.14 mm

Dimensional characteristics

Nominal insulation thickness	0.89 mm
Number of Conductors	3
Number of Strands	7
Nylon thickness	0.12 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

1.57 t

- Amount of CO₂ 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.