

Non-metallic sheathed cable (NMD90)



APPLICATIONS:

NMD90 cables may be used for both exposed work in dry locations or concealed work in dry or damp locations.

The maximum allowable conductor temperature is 90°C. The minimum recommended installation temperature is -25°C for two-conductor cables and -10°C for three-conductor cables (with suitable handling procedures). Material should be properly stored above 0°C for 24 hours prior to installation.

The maximum voltage rating for all intended applications is 300 volts. Consult the Canadian Electrical Code¹ for further information related to applications.

CONSTRUCTION:

Conductor: Solid or stranded bare copper

Insulation: Flame-retardant (FR) Polyvinyl Chloride (PVC) c/w Nylon sheath insulation or CrossLinked Polyethylene (XLPE) Type RW90 Ground (Bonding) Conductor: Bare solid or stranded copper bonding wire Outer Jacket: Flame-retardant (FR) and moisture resistant Polyvinyl Chloride (PVC)

DESCRIPTION:

Rating Voltage: 300V.

Temperature Range: -25~+90°C.

Flame Test: FT1.

SPECIFICATIONS:

- CSA C22.2 No. 48 (non-metallic sheathed cable)
- Canadian Electrical Code¹

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SPECIFICATIONS

No. of Conductor	Conductor Size (AWG)	Bonding (AWG)	Insulation Thickness (mm)	Insulation Color	Nylon Thickness (mm)	Jacket Thickness (mm)	Jacket Color	Approximate Diameter (mm)	Weight (kg/km)
2	14	14	0.76	White, Black	0.10	0.76	White	9.93*4.91	102
2	12	14	0.76	White, Black or Red, Black	0.10	0.76	Yellow/Red	10.80*5.41	129
2	10	12	0.76	Red, Black	0.10	0.76	Red	12.27*5.87	180
3	14	14	0.76	White, Black	0.10	0.76	White	8.90	136
3	10	12	0.76	White, Black	0.10	0.76	Orange	11.13	252
3	8	10	0.89	White, Black	0.12	1.14	White	14.44	413
3	6	8	1.14	White, Black	0.15	1.14	White	17.66	637