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NMD90 (XLPE)

Applications : For exposed or concealed wiring in dry or damp locations, where not exposed to mechanical injury.

Conductors : 14 AWG to 2 AWG bare copper.
Insulation : Cross-linked Polyethylene (XLPE)
Jacket: Polyvinyl chloride (PVC)

Jacket Colours:

Size(AWG)	14	12	10	8	6	4	3	2
Standard	White	Yellow	Orange	White	White	White	White	White
Optional	Red* , Blue**	Red*	Red*	Red*				

*Red - 2C (Black and Red conductors) - For 208 or 240 V circuits
**Blue - 2C (Black and White conductors) - For Arc Fault Circuit Interrupters (AFCI)

Voltage Rating : 300V
Max. Temperature Rating : 90 °C
Min. Temperature Rating: – 25 °C[1] for 8 AWG and larger, round construction
– 40 °C[1] for 10 AWG and smaller, parallel construction
Flame Rating : FT1
Standards : CSA C22.2 No. 48

Gauge AWG (Strands)	Circuit Conductor Count	Bonding AWG (Strands)	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Cable Diameter		30C Ambient Ampacity[2]
			mm	in.	mm	in.	mm	in.	
14 (1)	2	14 (1)	0.76	0.030	0.76	0.030	4.851 X 9.703	0.191 X 0.382	25
14 (1)	3	14 (1)	0.76	0.030	0.76	0.030	8.59	0.338	25
12 (1)	2	14 (1)	0.76	0.030	0.76	0.030	5.283 X 10.566	0.208 X 0.416	30
12 (1)	3	14 (1)	0.76	0.030	0.76	0.030	9.50	0.374	30
10 (1)	2	12 (1)	0.76	0.030	0.76	0.030	5.842 X 12.116	0.230 X 0.477	40
10 (1)	3	12 (1)	0.76	0.030	0.76	0.030	10.77	0.424	40
8 (7)	2	10 (7)	0.89	0.035	1.14	0.045	13.61	0.536	55
8 (7)	3	10 (7)	0.89	0.035	1.14	0.045	14.48	0.570	55
6 (7)	2	8 (7)	1.14	0.045	1.14	0.045	16.66	0.656	75
6 (7)	3	8 (7)	1.14	0.045	1.14	0.045	17.75	0.699	75
4 (7)	2	8 (7)	1.14	0.045	1.52	0.060	19.81	0.780	95
4 (7)	3	8 (7)	1.14	0.045	1.52	0.060	21.13	0.832	95
3 (7)	2	6 (7)	1.14	0.045	2.03	0.080	22.30	0.878	115
3 (7)	3	6 (7)	1.14	0.045	2.03	0.080	23.70	0.933	115
2 (7)	2	6 (7)	1.14	0.045	2.03	0.080	23.98	0.944	130
2 (7)	3	6 (7)	1.14	0.045	2.03	0.080	25.50	1.004	130

[1] The low temperature rating indicates that the cables have passed a cold impact test under carefully controlled laboratory conditions. These conditions may or may not reflect actual field conditions. It is therefore recommended that all cables be warmed to at least -10°C before installation.

[2]Ampacity values are per Canadian Electrical Code, Part I, Table 2, and are provided for engineering information only. Final determination of wire size/ampacity will be governed by local jurisdiction.

Notes: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.