

NMD90 HEATEX® 300 Volts 90°C

Description

CSA File #LL23462 Class 5821 02

NMD90 (Red) HEATEX® is a variant of copper conductor NMD90 CANADEx®, with NO WHITE WIRE in the 2 conductor cable. This cable is designed for use on 240-volt systems where there is no NEUTRAL, therefore the cable has a black and a red conductor in addition to the bare bonding wire. To make identification easier it is usually supplied with a RED overall jacket. It should NOT be used on 120 volt systems as there is no neutral, and it is dangerous to use either the red or the black as a neutral. Large sizes are available for use with electric furnaces.



Standards

National CSA C22.2 N° 48

Application

For open or concealed wiring in dry or damp locations where not exposed to mechanical injury.

Minimum recommended handling temperature minus 25°C (with suitable handling procedures).

Maximum conductor temperature 90°C.

Specifically designed for 240 V heating circuits.

Characteristics

Construction characteristics	
Conductor material	Copper
Electrical characteristics	
Maximum operating voltage	300 V
Usage characteristics	
Maximum operating temperature	90 °C

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NMD90 HEATEX® 300 Volts 90°C

NMD90 HEATEX® CU 300 Volts 90°C

Size AWG	Number of Conductors	Bonding Wire Size AWG (Copper)	Insulation Thickness		Nylon Thickness		Jacket Thickness		Approximate Overall Dimensions		Approximate Net Cable Weight		Ampacity 30°C Ambient A
			mm	in	mm	in	mm	in	mm	in	kg/km	lbs/kft	
14 (1)	2	14 (1)	0.76	0.030	0.10	0.004	0.76	0.030	4.9 x 9.9	0.19 x 0.39	99	67	15
12 (1)	2	14 (1)	0.76	0.030	0.10	0.004	0.76	0.030	5.3 x 10.7	0.21 x 0.42	127	85	20
10 (1)	2	12 (1)	0.76	0.030	0.10	0.004	0.76	0.030	5.9 x 12.2	0.23 x 0.48	181	122	30
8 (7)	2	10 (1)	0.89	0.035	0.12	0.005	1.14	0.045	7.7 x 15.9	0.3 x 0.63	299	201	45
6 (7)	2	8 (7)	1.14	0.045	0.15	0.006	1.14	0.045	9.0 x 19.5	0.35 x 0.77	453	304	65
4 (7)	2	8 (7)	1.14	0.045	0.15	0.006	1.52	0.060	19.0	0.75	638	429	85
3 (7)	2	6 (7)	1.14	0.045	0.15	0.006	2.03	0.080	21.3	0.84	839	564	105
2 (7)	2	6 (7)	1.14	0.045	0.15	0.006	2.03	0.080	22.8	0.90	986	663	120

Selling information

Note: Sizes 4 AWG and larger are twisted.

Jacket Colour: Red

Insulation Colours: Black, Red