Mexans

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.

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.



Standards National CSA C22.2 N° 48

Characteristics

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

CLICK ANYWHERE on THIS PAGE to RETURN to ELECTRICAL WIRE IDENTIFICATION & HISTORY at InspectApedia.com

Version V1.0 Generated 11/01/16 for Roger Laliberte - http://www.nexans.ca

Page 1 / 2

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Mexans

Contact Residential/Commercial/Industrial Phone: 905-944-4300 buildingwire.canada@nexans.com

NMD90 HEATEX® 300 Volts 90°C

NMD90 HEATEX® CU 300 Volts 90°C

Size	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
AWG			mm	in	mm	in	mm	in	mm	in	kg/km	lbs/kft	A
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

Version V1.0 Generated 11/01/16 for Roger Laliberte - http://www.nexans.ca

Page 2/2

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.