

NM-B Wire

Cirtex® Nonmetallic-Sheathed Cable



90°C insulation

With ground wire

600 volts

APPLICATIONS

For use primarily in residential wiring, including branch circuits for outlets, switches, etc. May be installed in both exposed and concealed work in normally dry locations. May be installed in air voids of masonry block or tile walls where these walls are not subject to excessive moisture or dampness. May be installed in locations with temperatures up to 90°C, but with the ampacity limited to that of 60°C conductors. Added Circuit: For use primarily in residential wiring for branch circuits supplying outlets located in bedrooms and other areas. Has two separated neutrals so one cable can be used to run two circuits when sharing of a neutral is not allowed.

CONDUCTORS

Solid conductors: Soft, uncoated copper per ASTM-B3

Stranded conductors: Uncoated copper per ASTM-B3 and ASTM B8

CONDUCTOR INSULATION AND JACKET

Color-coded PVC (polyvinyl chloride), rated 90°C dry with clear nylon (polyamide).

Added Circuit: Color-coded PVC rated 90°C: black, white, red and white with red stripe. Insulated conductors also jacketed with clear nylon (polyamide).

GROUNDING CONDUCTOR

Soft, uncoated copper per ASTM-B3

ASSEMBLY

Two-conductor constructions have the insulated conductors laid parallel. Ground wire is wrapped with paper and laid parallel between the insulated conductors. The entire construction is wrapped with a paper separator before applying the jacket. Three-conductor constructions have the insulated conductors twisted together or laid parallel to each other. Ground wire is wrapped with paper and twisted together or laid parallel to the insulated conductor.

JACKET

30 mil-thick PVC (polyvinyl chloride) jacket applied over the complete assembly

14-2, 14-2-2 & 14-3 w/ground: white

12-2, 12-2-2 & 12-3 w/ground: yellow

10-2 & 10-3 w/ground: orange

8 AWG or larger: black

INDUSTRY STANDARDS*

UL 83 File # E 15119

UL 719 Non-Metallic Sheathed Cable File #E9810

ASTM-B3

ASTM-B8

Fed. Spec. A-A-59544

NFPA70: NEC®

RoHS Compliant

SURFACE PRINT

Sample: NM-B 14-2 W/G 600V Cirtex-A (UL)



MADE IN THE USA

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*It is the sole responsibility of the end user to determine suitability of this product for its intended end use and application.

cerrowire

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A Marmon Group/
Berkshire Hathaway Company

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Product Code Number & Package Code W/Ground	Conductors		Ground Wire AWG	Insulation & Nylon Thickness Mils.	Cable Dimension Mils.	Ampacity At 30°C Per NEC®	Approx. Net Wt. Lbs./M Ft.
	AWG & No. Cond.	No. of Strands					147 W/Ground
147-1402A3	14-2	Solid	14	19	.185 x .370	15	58
147-1403A3	14-3	Solid	14	19	.495	15	76
147-1662F	12-2	Solid	12	19	.200 x .400	20	82
147-1862G	10-2	Solid	10	24	.225 x .490	30	125
147-4002D	8-2	7	10	35	.320 x .680	40	204
147-4202D	6-2	7	10	35	.350 x .710	55	276
147-1463G	14-3	Solid	14	19	.495	15	76
147-1464G	14-2-2	Solid	14	19	.520	15	133
147-1602A3	12-2	Solid	12	19	.200 x .400	20	82
147-1603AR	12-3	Solid	12	19	.520	20	108
147-1664G	12-2-2	Solid	12	19	.535	20	93
147-1803A3	10-3	Solid	10	24	.535	30	164
147-4003A	8-3	7	10	35	.725	40	250
147-4403J	4-3	7	8	46	.1050	70	556
147-4603J	2-3	7	8	46	.1195	95	823

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Package Code	D	G	J	K	P
W/Ground	125' Coil	250' Coil	500' Coil	1,000' Reel	5,000' Reel
14-2 Solid (147-1402)				X	
14-2 Solid (147-1462)		X	X		
12-2 Solid (147-1602)				X	
12-2 Solid (147-1662)		X	X		
10-2 Solid (147-1802)			X	X	
10-2 Solid (147-1862)		X			
8-2 Stranded (147-4002)	X		X	X	
6-2 Stranded (147-4202)	X		X	X	
14-3 Solid (147-1403)				X	
14-3 Solid (147-1463)		X	X		
12-3 Solid (147-1603)				X	
12-3 Solid (147-1663)		X			
10-3 Solid (147-1803)			X	X	
10-3 Solid (147-1863)		X			
8-3 Stranded (147-4003)	X	X	X	X	
6-3 Stranded (147-4203)	X		X	X	X
4-3 Stranded (147-4403)			X	X	
2-3 Stranded (147-4603)			X		
14-2-2 Solid (147-1464)		X			
12-2-2 Solid (147-1664)		X			