

# 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

### SURFACE PRINT

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

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

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Conductors		Ground Wire AWG	Insulation & Nylon Thickness Mils.	Approx. Cable Dimension (in.)	Ampacity At 30°C Per NEC®	Approx. Net Wt. Lbs./M Ft.	Standard Packaging
AWG & No. Cond.	Number of Strands					147 W/Ground	
14-2	Solid	14	19	.185 x .370	15	58	250' 1,000' reels
12-2	Solid	12	19	.200 x .400	20	82	250' 1000' reels
10-2	Solid	10	24	.225 x .490	30	125	250' 1000' reels
8-2	7	10	35	.320 x .680	40	204	125' 500' 1,000' reels
6-2	7	10	35	.350 x .710	55	276	125' 500' 1,000' reels
14-3	Solid	14	19	.377	15	76	250' 1,000' reels
12-3	Solid	12	19	.360	20	108	250' 1,000' reels
10-3	Solid	10	24	.480	30	164	250' 1,000' reels
8-3	7	10	35	.530	40	250	125' 500' 1,000' reels
6-3	7	10	35	.575	55	350	125' 500' 1,000' reels
4-3	7	8	46	.720	70	556	500' reels
2-3	7	8	46	.852	95	823	500" reels
14-2-2	Solid	14	19	.385	15	133	250' 1000' reels
12-2-2	Solid	12	19	.434	20	93	250' 1000' reels