



**Type NM-B**  
**Non-metallic Sheathed Cable**  
**600 volts**

## Applications

Type NM-B (Nonmetallic-sheathed Cable) may be used for both exposed and concealed work in normally dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified in the National Electrical Code®. NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches, and other loads. NM-B cable may be run in air voids of masonry block or tile walls where such walls are not subject to excessive moisture or dampness. Voltage rating for NM-B cable is 600 volts.

## Specifications

Type NM-B cable meets or exceeds UL Standard 83, UL Standard 719, Federal Specification A-A-59544 and requirements of the National Electrical Code® (NFPA 70).

## Construction

Type NM-B cable is manufactured as 2 or 3 conductor cable, with a ground wire. Copper conductors are annealed (soft) copper. Stranded conductors are compressed stranded. Phase conductors are lead-free polyvinyl chloride (PVC) insulated, nylon jacketed, color-coded for identification purposes, and jacketed with moisture and fungus resistant lead-free PVC. Jackets are color-coded for ease of conductor size identification: 14 AWG - White; 12 AWG - Yellow; 10 AWG - Orange; 8 & 6 AWG - Black.

Insulated Conductor				Cable Dimensions (mils)	Allowable Ampacity †	Ground Wire		Approx. Net Weight Per 1,000 <sup>1</sup> (lb.)	Standard Package
Size (AWG)	No. Conductors in Cable	No. Strands in Conductor	Insulation and Jacket Thickness (mils)			Size (AWG)	No. Strands		
<b>COPPER</b>									
14	2	1	19	391 x 196	15	14	1	59	BCE
12	2	1	19	440 x 213	20	12	1	84	BCE
10	2	1	24	502 x 234	30	10	1	126	BCE
8	2	7	35	718 x 316	40	10	1	190	ADE
6	2	7	35	808 x 379	55	10	1	261	ADE
14	3	1	19	406	15	14	1	91	BE
12	3	1	19	442	20	12	1	124	BE
10	3	1	24	504	30	10	1	185	BE
8	3	7	35	674	40	10	1	304	ADE
6	3	7	35	838	55	10	1	414	ADE
4	3	7	46	940	70	8	1	613	DE
2	3	7	46	1066	95	8	1	888	DE
14	2/2	1	19	435	15	14	1	110	BE
12	2/2	1	19	467	20	12	1	131	BE

NOTE 1: Single conductor. Subject to special inquiry.  
† Not more than 3 conductors in cable per table 310-6, National Electrical Code.  
NOTE: Jacket thickness for all NM-B cable is 30 mils.

STANDARD PACKAGING CODE:  
A - 125' Coil    D - 500' Reel  
B - 250' Coil    E - 1000' Reel  
C - 500' Coil

## Recommended Sample Specifications

Cable shall be UL listed type NM-B, suitable for operation at 600 volts in all installations as specified by the National Electrical Code®. Conductors shall be annealed copper, insulated with high-heat, moisture resistant, and lead-free PVC, nylon jacketed, and jacketed with moisture and fungus resistant, lead-free PVC.



NONMETALLIC-SHEATHED CABLE



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