



## NM-B



### DESCRIPTION

600 Volt Building Wire Copper Conductors with 90 C THHN Insulation  
Paper Sheath separates conductors from color coded PVC Jacket

### CONSTRUCTION

- **Conductors**  
Solid 14-10 AWG soft, uncoated copper, per ASTM-B3; Stranded 8 AWG conductor and larger uncoated, copper ASTM-B8
- **Insulation**  
Color-coded Polyvinyl Chloride (PVC) compound meeting the required thickness of Type THHN or THWN-2 with a heat-stabilized Nylon jacket rated for 90°C in dry locations.
- **Grounding Conductor**  
Soft, uncoated copper per ASTM-B3 and/or ASTM-B8
- **Jacket**  
Color-coded Polyvinyl Chloride (PVC) compound meeting the required thickness of Type THHN or THWN-2 with a heat-stabilized Nylon jacket rated for 90°C in dry locations.

### APPLICATIONS

Type NM-B (Non-metallic sheathed cable) has a broad range of usage as defined in Article 334 of the National Electrical Code (NEC). Colonial NM-B (Non-Metallic Sheathed Cable) is commonly used for residential wiring. Colonial NM-B is used for dry locations at temperatures not to exceed 90 C (with ampacity limited to that for 60 C conductors) as defined in article 334 of the National Electrical Code. Colonial NM-B is rated 600 volts. Colonial NM-B may be installed or run in air voids and joints in masonry block or tile walls that are not exposed to moisture or dampness.

### SPECIFICATIONS

- UL File # E24723
- Underwriters Laboratories (UL) standards;
  - UL83 - THHN - Thermoplastic Insulated Wires & Cables (ZLGR)
  - UL719 - NM - B - Nonmetallic Sheathed Cable (PWVX)
- Federal Specification A-A-59544 - Specification of Electrical Wire and Cables
- NFPA 70 - National Electrical Code
- ROHS Compliant
- No lead
- Ampacity of conductor based on NFPA 70 (NEC) Table 310.15-(B)(16)



Annealed Solid or Stranded Copper Conductor

PVC Insulation

Nylon Jacket

Treated Paper Separator

Paper Sheath

SuperSlick Elite1 Color-Coded PVC Jacket

## NM-B

Size (AWG or KCMIL)	No. of Strands	Ground Wire Size (AWG)	Insulation Thickness(in)		Allowable Ampacity (Amps) <sup>2</sup>	Outside Diameter (in)	Approximate Net Weight (lbs/1000 ft)	Standard Packaging(ft)
			PVC	Nylon				
14/2 G <sup>1</sup>	Solid	14	0.015	0.004	15	0.166 x 0.333	57	250' 1000'
12/2 G <sup>1</sup>	Solid	12	0.015	0.004	20	0.182 x 0.382	82	250' 1000'
10/2 G <sup>1</sup>	Solid	10	0.020	0.004	30	0.213 x 0.464	123	250' 1000'
8/2 G <sup>1</sup>	7	10	0.030	0.005	40	0.290 x 0.580	185	1000' 2500'
6/2 G <sup>1</sup>	7	10	0.030	0.005	55	0.330 x 0.695	256	1000' 2500'
14/3 G <sup>1</sup>	Solid	14	0.015	0.005	15	0.166 x 0.438	74	250' 1000'
12/3 G <sup>1</sup>	Solid	12	0.015	0.004	20	0.345	107	250' 1000'
10/3 G <sup>1</sup>	Solid	10	0.020	0.004	30	0.430	165	250' 1000'
8/3 G	7	10	0.030	0.005	40	0.555	251	1000' 2500'
6/3 G	7	10	0.030	0.005	55	0.612	352	1000' 2500'
4/3 G	7	8	0.040	0.006	70	0.820	565	500' 1000'
2/3 G	7	8	0.040	0.006	95	0.945	841	500' 1000'