

TYPE NM-B COPPER CONDUCTOR 600V



APPLICATIONS

TYPE NM-B conductors (non-metallic sheathed metal has a broad range of usage as defined in Article 334 of the National Electric Code (NEC). Type NM-B cable is commonly used for residential wiring of appliances and lighting. Type NM-B ampacity limitation shall be in accordance with the 60° C conductor temperature rating as specified in the NEC. Voltage rating is 600V for applications in dry locations.

CONSTRUCTION

GROUNDING CONDUCTOR - soft annealed copper conductors per ASTM-B3 and/or ASTM-B8. Housed by a 30-mil color-coded, flame-retardant, moisture-resistant, friction reducing Polyvinyl Chloride (PVC) jacket.

INSULATION - Color-coded PVC meeting the thickness of Type THHN or THWN-2 with a heat stabilized nylon jacket.

SPECIFICATIONS

TYPE NM-B conductors meet or exceed the following standards: UL-83, UL-719, UL-1581, and UL-2556; ASTM Specifications ASTM B-3, and ASTM-B8; National Electric Code NFPA 70; Federal Specification A-A59544 and E-504545. RoHS compliant.

			
99.9% Pure Copper	VW-1 Rated	Moisture Resistant	Abrasion Resistant

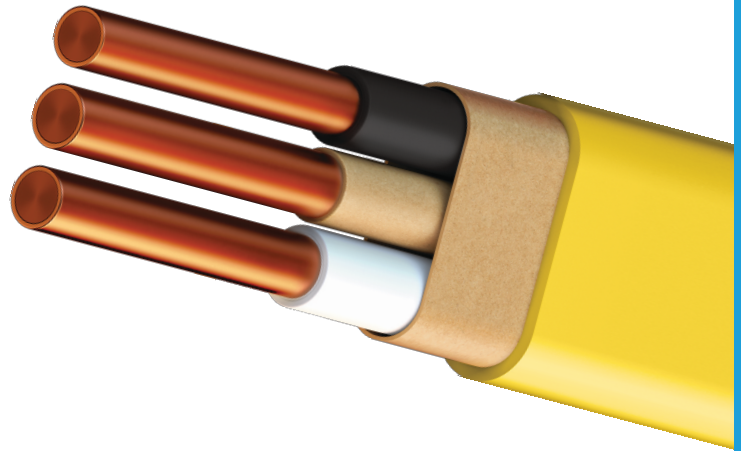


Table 1.1

		CONDITIONS		
		DRY	WET	OIL
TYPE	NM-B	≤ 90° C*	-	-

*with ampacity limited to that of 60° C conductors per NEC.

Table 1.2

SIZE (AWG OR KCMIL)	CLR	STRAND QTY.	GROUND (AWG)	INSULATION THICKNESS (IN.)		OUTSIDE DIAMETER (IN.)	APPROX. NET WEIGHT (LBS/1000FT)	ALLOWABLE AMPACITY ¹ (AMPS)
				PVC	NYLON			
14/2		SLD	14	0.015	0.004	0.170 x 0.390	58	15
12/2		SLD	12	0.015	0.004	0.160 x 0.450	82	20
10/2		SLD	10	0.020	0.004	0.210 x 0.493	123	30
8/2		7	10	0.030	0.005	0.290 x 0.580	185	40
6/2		7	10	0.030	0.005	0.330 x 0.695	256	55
14/3		SLD	14	0.015	0.004	0.170 x 0.450	74	70
12/3		SLD	12	0.015	0.004	0.345	107	85
10/3		SLD	10	0.020	0.004	0.430	165	95
8/3		7	10	0.030	0.005	0.560	251	58
6/3		7	10	0.030	0.005	0.620	352	58
4/3		7	8	0.040	0.006	0.820	565	70
2/3		7	8	0.040	0.006	0.950	841	95
14/4 & 14/2/2		SLD	14	0.015	0.004	0.350	90	15
12/4 & 12/2/2		SLD	12	0.015	0.004	0.390	132	20
10/4		SLD	10	0.020	0.004	0.540	205	30

¹ Ampacity of conductors are based on NFPA 70 (NEC) Table 310.15(B)(16). See 110.14(C), 240.4(D) and 310.15(B) for other limitations where applicable.

PRINT LEGEND: IUSA E504545 [UL] [SIZE] TYPE NM-B 600V DATE TIME

