

NM-B COPPER - 600V

DESCRIPTION:

Alan Wire type NM-B are primarily used in residential building applications as specified by the National Electrical Code. Type NM-B is available in sizes ranging from #14 - #6 and constructions of 2 conductors with a ground and 3 conductors with a ground. The individual conductors are solid soft annealed copper with a PVC insulation and nylon jacket. The ground wire is a bare ground. The entire assembly is wrapped with a paper layer and PVC is applied for the outer jacket. Alan Wire's NM-B is manufactured to the recognized industry standard with a friction reducing additive to aide in the installation process.

STANDARDS AND SPECIFICATIONS:

- 600V
- ASTM B3
- ASTM B8
- RoHS Compliant
- UL-83
- UL-719
- UL-1581
- UL-2556
- E-519271
- NFPA 70 (NEC) Article 334
- Federal Specification A-A-56544
- ARRA 2009 Section 1605 "Buy American" Compliant



Size	Stranding	Grnd Size	Insulations Thickness (in)		Ampacity* (AMPS)* 90° C	OD (in)	Appox Net WT./MFT
			PVC	Nylon			
14/2+G	Solid	14	45	0.26	15	.170 x .390	56
12/2+G	Solid	12	45	0.305	20	.16 x .45	82
10/2+G	Solid	10	45	0.36	30	.21 x .45	123
8/2+G	7	10	55	0.415	40	.29 x .58	185
6/2+G	7	10	55	0.45	55	.33 x .695	256
14/3+G	Solid	14	55	0.49	15	0.345	74
12/3+G	Solid	12	55	0.54	20	0.43	107
10/3+G	Solid	10	55	0.59	30	0.555	165
8/3+G	7	10	65	0.655	40	0.612	251
6/3+G	7	10	65	0.705	55	0.82	352

*Allowable ampacity shown above is per National Electrical Code.
The above data is approximate and subject to normal manufacturing tolerances.