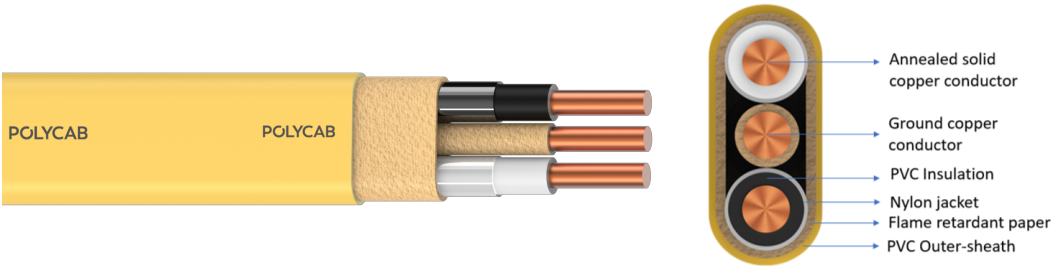


POLYCAB NM-B CABLE

Building Cable, UL 719, 600 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Type NM-B (Non-Metallic sheath cable) is suitable to use in indoor residential wiring including branch circuit for luminaries, outlets and switches. It may be installed in both exposed and concealed work where such area is not subjected to excessive moisture or dampness. It's applications are defined in NEC 2008 and NEC 2011 Article no 334 with ampacity limited to that for 60°C conductor.

CHARACTERISTICS

Voltage Rating
600 V

Operation Temperature
Nominal 90°C,
Cold Bend -25°C.

CONSTRUCTION

- Solid or stranded bare annealed copper conductor as per ASTM B3 & B8
- Heat resistant PVC insulation with a transparent layer of Nylon assembled in a flat parallel configuration including copper ground wire between two insulated cores wrapped with a flame-retardant paper.
- Heat & abrasion resistant PVC Sheath.

Core Identification

As per NEMA WC 57 (black & white with non-insulated grounding conductor).

Bending Radius
12 x Overall Diameter

OUTSTANDING FEATURES

- Heat resistant
- Flame retardant
- Sunlight resistant
- Moisture resistant

STANDARD FOLLOWS

UL 83
UL 719
ASTM B3
ASTM B8

COMPLIANCE

Conductor resistance	ASTM B8
Insulation resistance	UL 83
Vertical Flame test FV-1	UL 2556
Vertical tray Flame test	UL 1685

OUR ACCREDITATIONS



APPROVAL



Dimensional and Electrical characteristics:

Conductor size	No. of Strands	Ground Conductor Size	Insulation Thickness (PVC)	Insulation Thickness (Nylon)	??Allowable Ampacity	Overall Dimension W X T	Approx Weight
AWG or KCMIL		AWG	Mils	Mils	AMP	Mils	Lbs/1000ft
14/2	1	14	15	4	15	386 X 185	56
12/2	1	12	15	4	20	413 X 201	82
10/2	1	10	20	4	30	500 X 232	123
8/2	7	10	30	5	40	614 X 287	185
6/2	7	10	30	5	55	681 X 323	256
14/3	1	14	15	4	15	472 X 185	74
12/3	1	12	15	4	20	539 X 201	107
10/3	1	10	20	4	30	657 X 236	165
8/3	7	10	30	5	40	823 X 287	251
4/3	7	8	40	6	70	1165 X 390	565
2/3	7	8	40	6	95	1331 X 445	841
14/4* & 14/2-2**	1	14	15	4	15	575 X 185	90
12/4* & 12/2-2**	1	12	15	4	20	657 X 201	132
10/4*	1	10	20	4	30	807 X 232	205

?? Ampacities are in accordance with NEC 2008 and NEC 2011 Articles 310.15 and 334.80, which are based on NEC 2008 Table 310.16 or NEC 2011 Table 310.15(B) (16) for conductors in direct buried at 30°C ambient temperature and 60°C rated conductors.

NOTE :

- The “approximate” values are provided for information purposes only and are subject to standard manufacturing tolerances.
- For correction factors at different ambient temperatures and ampacities at different conductor temperature ratings see NEC 2008 Table 310.16 or NEC 2011 Table 310.15(B)(16).
- NM-B Cable supplied with a colour coded outer sheath for quick identification based on wire gauge of the cable:

14 AWG Cable – Outer sheath colour White

12 AWG Cable – Outer sheath colour Yellow

10 AWG Cable – Outer sheath colour Orange

*Colour coding for conductor cable is Black, White, Red & Blue

**Colour code for 2-2 Conductor cable is Black, Red, White, and White with a Red strip