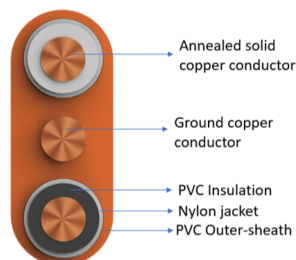


POLYCAB UF-B CABLE

Building Cable, UL 493, 600 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Type UF-B cable is suitable to use as underground feeder and branch circuit wiring in wet, dry & corrosive location as specified in NEC article no 340.

It may also be used as feeder to outside post lamps, pumps and other equipment. POLYCAB UF-B Cable may be directly installed where it is exposed to the sunlight. It can be used as non-metallic sheathed cable in accordance with NEC Article no 334 (with ampacity limited to that of 60°C).

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 and moisture resistant PVC insulation with a transparent layer of Nylon assembled in a flat parallel configuration.
- UV, Moisture & abrasion resistant PVC Sheath.

Core Identification

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

Bending Radius

10 x Overall Diameter

Test Voltage

2500 V AC at 30°C

OUTSTANDING FEATURES

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

STANDARD FOLLOWS

UL 83
UL 493
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
Voltage withstand test	UL 493 C1 8.5
Low Temperature test	UL 493 C1 8.7

OUR ACCREDITATIONS



APPROVAL



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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 Wt	Standard Packing
AWG or KCMIL		AWG	Mils	Mils	AMP	Mils	Lbs/1000ft	Ft
14/2	1	14	15	4	30	15	386 X 185	53
12/2	1	12	15	4	30	20	413 X 197	75
10/2	1	10	20	4	30	30	461 X 228	140
8/2	7	10	30	5	45	40	618 X 319	213
6/2	7	10	30	5	45	55	799 X 386	305
14/3	1	14	15	4	30	15	587 X 185	93
12/3	1	12	15	4	30	20	618 X 197	134
10/3	1	10	30	5	30	30	689 X 228	194
8/3	7	10	30	5	45	40	988 X 319	330
6/3	7	10	30	5	45	55	1201 X 386	449

?? Ampacities are in accordance with NEC 2008 and NEC 2011 Articles 310.15 and 334.80, which are based on NEC2008 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).