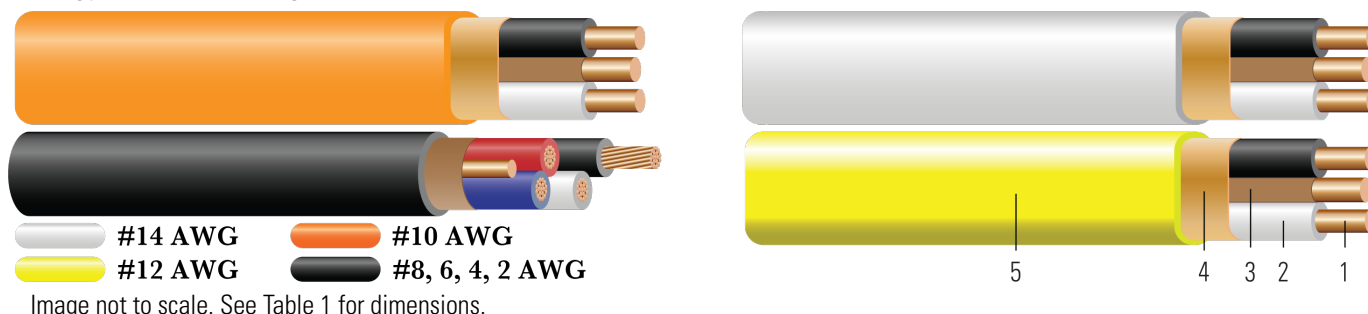


Romex® Brand Copper SIMpull® Indoor NM-B Cable

Nonmetallic-Sheathed Cable. 600 Volt. Copper Conductor. PVC Insulation/Nylon Sheath. PVC Jacket with SIMpull® Technology for Easier Pulling.



CONSTRUCTION:

- Conductor:** Bare copper per ASTM B3. Sizes #14 AWG - #10 AWG are solid. Sizes #8 AWG - #2 AWG are Class B compressed stranded per ASTM B8
- Insulation:** All phases and neutral(s) are insulated with Polyvinyl Chloride (PVC) with Nylon Sheath
- Ground:** Solid soft drawn bare copper with kraft paper wrap
- Binder:** Kraft paper
- Jacket:** Polyvinyl Chloride (PVC) jacket utilizing SIMpull® Technology

APPLICATIONS AND FEATURES:

Southwire® Romex® Brand SIMpull® NM-B (nonmetallic-sheathed) cable may be used for both exposed and concealed work in dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified in the National Electrical Code®. NM-B cable is primarily used in residential wiring as branch circuits for outlets, switches, and other loads. NM-B cable may be run in air voids of masonry block or tile walls where such walls are not wet or damp locations. Voltage rating for NM-B cable is 600 volts.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 719 Nonmetallic-Sheathed Cables
- RoHS-2 (European Directive 2011/65/EU)
- Federal Specification A-A-59544
- NOM-063-SCFI Electrical Products – Conductors – Safety Requirements

SAMPLE PRINT LEGEND:

E18679 (UL) ROMEX® SIMpull{TM} XX AWG (X.XXmm²) CU X CDR WITH XX AWG (mm²) GROUND TYPE NM-B 600 VOLTS
NOM-ANCE PAT www.patentSW.com



Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Strand Count	Insul. Thickness	Ground	Jacket Thickness	Approx. OD	Copper Weight	Approx. Weight
	AWG/Kcmil		No. of Strands	mil	No. x AWG	mil	inch	lb/1000ft	lb/1000ft
288274	14	2	Solid	21	1 x 14	30	0.374 x 0.172	37	62
639468	14	3	Solid	21	1 x 14	30	0.478 x 0.176	49	81
550482^	14	4	Solid	21	1 x 14	30	0.350	62	96
550539	14	4	Solid	21	1 x 14	30	0.350	62	95
288282	12	2	Solid	21	1 x 12	30	0.424 x 0.188	59	89
639476	12	3	Solid	21	1 x 12	30	0.524 x 0.190	79	115
550484^	12	4	Solid	21	1 x 12	30	0.395	99	138
550542	12	4	Solid	21	1 x 12	30	0.395	99	138
288290	10	2	Solid	26	1 x 10	30	0.505 x 0.217	91	126
639484	10	3	Solid	26	1 x 10	30	0.630 x 0.220	122	168
555832	10	4	Solid	26	1 x 10	30	0.479	154	206
288936	8	2	7	37	1 x 10	30	0.628 x 0.278	132	189
639492	8	3	7	37	1 x 10	30	0.585	185	260
288944	6	2	7	37	1 x 10	30	0.700 x 0.314	192	261
639500	6	3	7	37	1 x 10	30	0.672	276	365
639682	4	3	7	49	1 x 8	30	0.843	440	575
639708	2	3	7	49	1 x 8	30	0.887	671	830

All dimensions are nominal and subject to normal manufacturing tolerances

◇ Cable marked with this symbol is a standard stock item

4/C NM-B constructions are round

^4 (2/2) Extra circuit construction

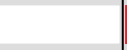
Table 2 – Electrical and Engineering Data

Stock Number	Cond. Size	Cond. Number	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity At 60°C
	AWG/Kcmil		Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
288274	14	2	2.631	3.170	0.058	15
639468	14	3	2.631	3.170	0.058	15
550482^	14	4	2.631	3.170	0.058	12
550539	14	4	2.631	3.170	0.058	12
288282	12	2	1.662	2.002	0.054	20
639476	12	3	1.662	2.002	0.054	20
550484^	12	4	1.662	2.002	0.054	16
550542	12	4	1.662	2.002	0.054	16
288290	10	2	1.040	1.253	0.050	30
639484	10	3	1.040	1.253	0.050	30
555832	10	4	1.040	1.253	0.050	24
288936	8	2	0.653	0.786	0.052	40
639492	8	3	0.653	0.786	0.052	40
288944	6	2	0.411	0.495	0.051	55
639500	6	3	0.411	0.495	0.051	55
639682	4	3	0.258	0.310	0.048	70
639708	2	3	0.162	0.195	0.045	95

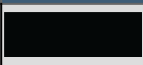
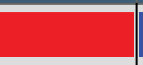
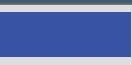


Ampacities based upon 2023 NEC Table 310.16. Also, see NEC sections 310.15 for additional requirements.
Ampacities have been adjusted for more than Three Current-Carrying Conductors.

Phase Color Code and Package #14 and 12 AWG

Conductor Number	Package	Black	White	Red	Blue	White/Red
						
2	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X			
3	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X	X		
4	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X	X	X	
4 - (2/2)	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X	X		X

Phase Color Code and Package #10, #8, 6, 4, 2 AWG

Conductor Number	Package	Black	White	Red	Blue
					
2	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X		
3	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X	X	
4	Coil: 125', 250', 500' Spool: 500', 1000', 2500'	X	X	X	X

