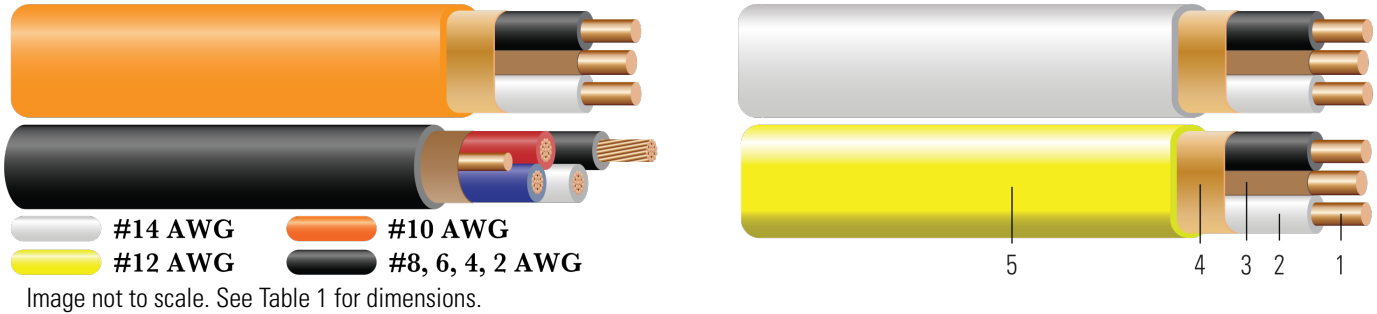




Romex® Brand Copper SIMpull® Indoor NM-B Cable

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 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

| Cond. Size | Cond. Number | Strand Count | Diameter Over Conductor | Insul. Thickness | Ground | Jacket Thickness | Approx. OD | Copper Weight | Approx. Weight |
|---------------|--------------|----------------|-------------------------|------------------|-----------|------------------|-------------|---------------|----------------|
| AWG/ Kcmil | | No. of Strands | inch | mil | No. x AWG | mil | inch | lb/1000ft | lb/1000ft |
| 10 | 2 | Solid | 0.101 | 26 | 1 x 10 | 30 | 0.505x0.217 | 91 | 126 |

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

| Cond. Size | Cond. Number | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity At 75°C | Allowable Ampacity At 90°C |
|------------|--------------|--------------------|------------------|----------------------|----------------------|----------------------------|----------------------------|----------------------------|
| AWG/Kcmil | | inch | lb | Ω/1000ft | Ω/1000ft | Ω/1000ft | Amp | Amp |
| 10 | 2 | 0.9 | 166 | 1.040 | 1.253 | 0.050 | 35 | 40 |

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 |

