

Romex[®] Brand SIMpull[®] Indoor Wire Copper NM-B Cable



Nonmetallic-Sheathed Cable. 600 Volt. Copper Conductors. Color-Coded Jacket. Four Conductor Available With Two Neutrals. SIMpull[®] Jacket Designed for Easier Pulling.

APPLICATIONS

Southwire[®] Romex[®] Brand SIMpull[®] NM-B (nonmetallic-sheathed) cable may be used for both exposed and concealed work in normally 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.

STANDARDS & REFERENCES

Southwire Romex[®] Brand SIMpull[®] NM-B cable complies with the following:

- Listed per UL Standard 719
- UL 83 (Conductor Construction)
- ASTM B-3 and B-8
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70
- REACH/RoHS Compliant

CONSTRUCTION

Southwire Romex[®] Brand SIMpull[®] NM-B cable is manufactured as 2, 3, or 4 conductor cable, with a bare ground wire. Copper conductors are annealed (soft) copper. Stranded conductors are compressed stranded. Conductor insulation is 90°C-rated polyvinyl chloride (PVC), nylon jacketed. Romex[®] Brand SIMpull[®] NM-B cable is designed for easier pulling, resulting in easier installation. The cable jacket is color-coded for quick size identification; White - 14 AWG, Yellow - 12 AWG, Orange - 10 AWG, and Black - 8 AWG and 6 AWG.



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| Conductor | | | Insulation Thickness (mils) | Ground Wire | | Approx. Cable Dimension (mils) | Approx. Net Wt. Per 1000' (lbs.) | Allowable Ampacity + | Standard Package |
|---|-------------------|----------------|-----------------------------|-------------|----------------|--------------------------------|----------------------------------|---|------------------|
| Size (AWG or kcmil) | No. of conductors | No. of strands | | Size (AWG) | No. of strands | | | | |
| TWO CONDUCTOR | | | | | | | | | |
| 14 | 2 | 1 | 19 | 14 | 1 | 368X162 | 57 | 15 | BEF |
| 12 | 2 | 1 | 19 | 12 | 1 | 418X179 | 82 | 20 | BEF |
| 10 | 2 | 1 | 24 | 10 | 1 | 494X210 | 124 | 30 | ABE |
| 8 | 2 | 7 | 35 | 10 | 1 | 618X272 | 186 | 40 | ABCD |
| 6 | 2 | 7 | 35 | 10 | 1 | 658X308 | 252 | 55 | ABCD |
| THREE CONDUCTOR | | | | | | | | | |
| 14 | 3 | 1 | 19 | 14 | 1 | 462X176 | 78 | 15 | BEF |
| 12 | 3 | 1 | 19 | 12 | 1 | 524X190 | 112 | 20 | BEF |
| 10 | 3 | 1 | 24 | 10 | 1 | 630X220 | 166 | 30 | BCE |
| 8 | 3 | 7 | 35 | 10 | 1 | 572 | 255 | 40 | ABCD |
| 6 | 3 | 7 | 35 | 10 | 1 | 659 | 360 | 55 | ABCD |
| 4 | 3 | 7 | 46 | 8 | 1 | 825 | 565 | 70 | BCD |
| 2 | 3 | 7 | 46 | 8 | 1 | 870 | 818 | 95 | BCD |
| FOUR CONDUCTOR | | | | | | | | | |
| 14 | 2/2 | 1* | 19 | 14 | 1 | 336 | 91 | 15 | BE |
| 14 | 4 | 1** | 19 | 14 | 1 | 336 | 91 | 15 | BE |
| 12 | 2/2 | 1* | 19 | 12 | 1 | 381 | 132 | 20 | BE |
| 12 | 4 | 1** | 19 | 12 | 1 | 381 | 132 | 20 | BE |
| 10 | 4 | 1 | 24 | 10 | 1 | 465 | 201 | 30 | BE |
| + Ampacities per National Electrical Code section 310.15 and 334.80. NOTE: Jacket thickness for all NM-B cable is 30 mils. * Color code for 2/2 conductor cable is Black, White, Red and White with Red stripe. ** Color code for 4 conductor cable is Black, White, Red and Blue. | | | | | | | | PACKAGE CODE: A-2,500' B-1,000' C-500' D-125' E-250' F-500' | |

RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Type NM-B, suitable for operation at 600 volts in all installations as specified in the National Electrical Code. SIMpull® jacketed conductors shall be annealed copper as manufactured by Southwire Company or approved equal.

| Conductor | | | Stock Numbers |
|---------------------|-------------------|----------------|------------------------|
| Size (AWG or kcmil) | No. of conductors | No. of strands | |
| TWO CONDUCTOR | | | |
| 14 | 2 | 1 | Stock #: 288274 |
| 12 | 2 | 1 | Stock #: 288282 |
| 10 | 2 | 1 | Stock #: 288290 |
| 8 | 2 | 7 | Stock #: 288936 |
| 6 | 2 | 7 | Stock #: 288944 |
| THREE CONDUCTOR | | | |
| 14 | 3 | 1 | Stock #: 639468 |
| 12 | 3 | 1 | Stock #: 639476 |
| 10 | 3 | 1 | Stock #: 639484 |
| 8 | 3 | 7 | Stock #: 639492 |
| 6 | 3 | 7 | Stock #: 639500 |
| 4 | 3 | 7 | Stock #: 639682 |
| 2 | 3 | 7 | Stock #: 639708 |
| FOUR CONDUCTOR | | | |
| 14 | 2/2 | 1* | Stock #: 550482 |
| 14 | 4 | 1** | Stock #: 550539 |
| 12 | 2/2 | 1* | Stock #: 550484 |
| 12 | 4 | 1** | Stock #: 550542 |
| 10 | 4 | 1 | Stock #: 555832 |

* Color code for 2/2 conductor cable is Black, White, Red and White with Red stripe.

** Color code for 4 conductor cable is Black, White, Red and Blue.

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| 14 | 3 | 1 | Stock #: 639468 |
| 12 | 3 | 1 | Stock #: 639476 |
| 10 | 3 | 1 | Stock #: 639484 |
| 8 | 3 | 7 | Stock #: 639492 |
| 6 | 3 | 7 | Stock #: 639500 |
| 4 | 3 | 7 | Stock #: 639682 |
| 2 | 3 | 7 | Stock #: 639708 |
| FOUR CONDUCTOR | | | |
| 14 | 2/2 | 1* | Stock #: 550482 |
| 14 | 4 | 1** | Stock #: 550539 |
| 12 | 2/2 | 1* | Stock #: 550484 |
| 12 | 4 | 1** | Stock #: 550542 |
| 10 | 4 | 1 | Stock #: 555832 |

* Color code for 2/2 conductor cable is Black, White, Red and White with Red stripe.

** Color code for 4 conductor cable is Black, White, Red and Blue.