

# 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 2011 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:

- ASTM B-3 and B-8
- UL Standard 83
- UL Standard 719
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70. 2011 Edition
- RoHS/ REACH

## 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.



The Power of Connections.™



**Southwire®**

| 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              | 360X162                        | 57                               | 15  | BEF              |
| 12  | 2                 | 1              | 19                          | 12          | 1              | 410X179                        | 82                               | 20  | BEF              |
| 10  | 2                 | 1              | 24                          | 10          | 1              | 494X210                        | 124                              | 30  | ABE              |
| 8   | 2                 | 7              | 35                          | 10          | 1              | 612X269                        | 186                              | 40  | ABCD             |
| 6   | 2                 | 7              | 35                          | 10          | 1              | 683X304                        | 225                              | 55  | BDF              |
| THREE CONDUCTOR   |                   |                |                             |             |                |                                |                                  |   |                  |
| 14  | 3                 | 1              | 19                          | 14          | 1              | 307                            | 74                               | 15  | BDF              |
| 12  | 3                 | 1              | 19                          | 12          | 1              | 347                            | 107                              | 20  | BEF              |
| 10  | 3                 | 1              | 24                          | 10          | 1              | 422                            | 164                              | 30  | BCE              |
| 8   | 3                 | 7              | 35                          | 10          | 1              | 565                            | 253                              | 40  | ABCD             |
| 6   | 3                 | 7              | 35                          | 10          | 1              | 650                            | 357                              | 55  | ABCD             |
| 4   | 3                 | 7              | 46                          | 8           | 1              | 814                            | 560                              | 70  | BCD              |
| 2   | 3                 | 7              | 46                          | 8           | 1              | 952                            | 816                              | 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, 2011 Edition<br>NOTE: Jacket thickness for all NM-B cable is 30 mils<br>* Color code for 2/2 conductor cable is Black, White, Red and White with Red stripe.<br>** Color code for 4 conductor cable is Black, White, Red and Blue. |                   |                |                             |             |                |                                |                                  | PACKAGE CODE:<br>A-2,500'<br>B-1,000'<br>C-500'<br>D-125'<br>E-250'<br>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              | <b>Stock #: 288274</b> |
| 12                  | 2                 | 1              | <b>Stock #: 288282</b> |
| 10                  | 2                 | 1              | <b>Stock #: 288290</b> |
| 8                   | 2                 | 7              | <b>Stock #: 288936</b> |
| 6                   | 2                 | 7              | <b>Stock #: 288944</b> |
| THREE CONDUCTOR     |                   |                |                        |
| 14                  | 3                 | 1              | <b>Stock #: 567542</b> |
| 12                  | 3                 | 1              | <b>Stock #: 567546</b> |
| 10                  | 3                 | 1              | <b>Stock #: 639484</b> |
| 8                   | 3                 | 7              | <b>Stock #: 639492</b> |
| 6                   | 3                 | 7              | <b>Stock #: 639500</b> |
| 4                   | 3                 | 7              | <b>Stock #: 639682</b> |
| 2                   | 3                 | 7              | <b>Stock #: 639708</b> |
| FOUR CONDUCTOR      |                   |                |                        |
| 14                  | 2/2               | 1*             | <b>Stock #: 550482</b> |
| 14                  | 4                 | 1**            | <b>Stock #: 550539</b> |
| 12                  | 2/2               | 1*             | <b>Stock #: 550484</b> |
| 12                  | 4                 | 1**            | <b>Stock #: 550542</b> |
| 10                  | 4                 | 1              | <b>Stock #: 555832</b> |