

# Romex<sup>®</sup> Brand SIMpull<sup>®</sup> Indoor Wire Copper NM-B Cable



**Nonmetallic-Sheathed Cable. 600 Volt. Copper Conductors. Color-Coded Jacket. Four Conductor Available With Two Neutrals. SIMpull<sup>®</sup> Jacket Designed for Easier Pulling.**

## APPLICATIONS

Southwire<sup>®</sup> Romex<sup>®</sup> Brand SIMpull<sup>®</sup> 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<sup>®</sup> Brand SIMpull<sup>®</sup> 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<sup>®</sup> Brand SIMpull<sup>®</sup> 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<sup>®</sup> Brand SIMpull<sup>®</sup> 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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6/13/18 Rev 0

| 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.<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 |                        |
| <b>TWO CONDUCTOR</b>   |                   |                |                        |
| 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> |
| <b>THREE CONDUCTOR</b> |                   |                |                        |
| 14                     | 3                 | 1              | <b>Stock #: 639468</b> |
| 12                     | 3                 | 1              | <b>Stock #: 639476</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> |
| <b>FOUR CONDUCTOR</b>  |                   |                |                        |
| 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> |

\* 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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| 4                      | 3                 | 7              | <b>Stock #: 639682</b> |
| 2                      | 3                 | 7              | <b>Stock #: 639708</b> |
| <b>FOUR CONDUCTOR</b>  |                   |                |                        |
| 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> |

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