

**Underground Feeder and Branch Circuit Cable.  
600 Volt. Copper Conductors.  
Sunlight, Moisture, and Fungus Resistant Overall PVC Jacket.**



## APPLICATIONS

Southwire Type UF-B cable is generally used as feeder to outside post lamps, pumps, and other loads or apparatus fed from a distribution point in an existing building as specified in the 2008 National Electrical Code. UF-B cable may be used underground, including direct burial. Multiple conductor UF-B cable may be used for interior branch circuit wiring in residential or agricultural buildings at conductor temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified by the National Electrical Code. UF-B can be used in applications permitted for NMC in Section 334.10(B) of the National Electrical Code. Voltage rating for UF-B cable is 600 volts.

## SPECIFICATIONS

Southwire Type UF-B cable meets or exceeds UL Standard 83, UL Standard 493, Federal Specification A-A-59544, and requirements of the National Electrical Code.

## CONSTRUCTION

Southwire Type UF-B cable is manufactured as a 2 or 3 conductor cable, with or without a ground wire. Copper conductors are annealed (soft) copper, solid or compressed stranded. Phase conductors are polyvinyl chloride (PVC) insulated, nylon jacketed, color coded for identification purposes. Jacketed with sunlight, moisture and fungus resistant gray PVC.



**Southwire**  
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greenSpec™  
RoHS Compliant



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# CU-UF-B

| MULTIPLE CONDUCTOR  |             |  |                         |             |             |                        |                                     |                        |                                     |   |                  |
|---|-------------|--|-------------------------|-------------|-------------|------------------------|-------------------------------------|------------------------|-------------------------------------|---|------------------|
| Conductor   |             |  | Jacket Thickness (mils) | With Ground |             |                        |                                     | Without Ground         |                                     | Allowable Ampacity+   | Standard Package |
| Size (AWG)  | No. Strands | Insulation and Jacket Thickness (mils) |                         | Ground Wire |             | Cable Dimension (mils) | Approx. Net Weight Per 1000' (lbs.) | Cable Dimension (mils) | Approx. Net Weight Per 1000' (lbs.) |   |                  |
|   |             |  |                         | Size (AWG)  | No. Strands |                        |                                     |                        |                                     |   |                  |
| <b>TWO CONDUCTOR</b>  |             |  |                         |             |             |                        |                                     |                        |                                     |   |                  |
| 14  | 1           | 19                                     | 30                      | 14          | 1           | 423 X 168              | 70                                  | 354 X 168              | 52                                  | 15  | EQ               |
| 12  | 1           | 19                                     | 30                      | 12          | 1           | 463 X 183              | 95                                  | 386 X 183              | 70                                  | 20  | EQ               |
| 10  | 1           | 24                                     | 30                      | 10          | 1           | 518 X 215              | 138                                 | 440 X 215              | 102                                 | 30  | EQ               |
| 8   | 7           | 35                                     | 45                      | 10          | 1           | 678 X 302              | 222                                 | 576 X 302              | 178                                 | 40  | CK               |
| 6   | 7           | 35                                     | 45                      | 10          | 1           | 770 X 338              | 303                                 | 668 X 338              | 256                                 | 55  | CK               |
| <b>THREE CONDUCTOR</b>  |             |  |                         |             |             |                        |                                     |                        |                                     |   |                  |
| 14  | 1           | 19                                     | 30                      | 14          | 1           | 581 X 168              | 96                                  | 501 X 168              | 77                                  | 15  | EQ               |
| 12  | 1           | 19                                     | 30                      | 12          | 1           | 626 X 183              | 129                                 | 581 X 183              | 108                                 | 20  | BQ               |
| 10  | 1           | 24                                     | 30                      | 10          | 1           | 727 X 215              | 191                                 | 661 X 215              | 156                                 | 30  | BQ               |
| 8   | 7           | 35                                     | 45                      | 10          | 1           | 1059 X 319             | 344                                 | 984 X 319              | 304                                 | 40  | CK               |
| 6   | 7           | 35                                     | 45                      | 10          | 1           | 1223 X 361             | 478                                 | 1153 X 361             | 437                                 | 55  | CK               |
| NOTE 1: Single conductor. Subject to special inquiry.<br>+Not more than 3 conductors in cable per Table 310.16, National Electrical Code, 2008 Edition. |             |  |                         |             |             |                        |                                     |                        |                                     | STANDARD PACKAGE CODE<br>-B 1000' Reel<br>-C 500' Reel<br>-E 1000' Spool<br>-H 250' Spool<br>-K 125' Coil<br>-P 500' Carton<br>-Q 250' Carton |                  |

## RECOMMENDED SAMPLE SPECIFICATIONS:

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