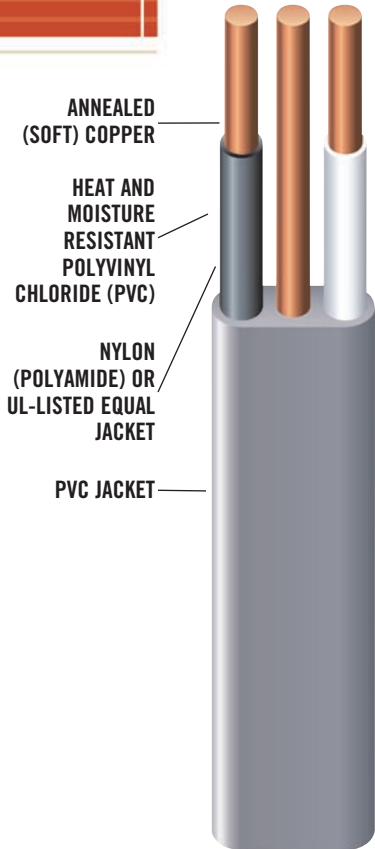


# UF-B



**Underground Feeder and Branch Circuit Cable**

**600 Volt**

**Copper Conductors**

**Sunlight, Moisture, and Fungus Resistant Overall PVC Jacket**

## APPLICATIONS Suitable for use as follows:

- 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 National Electrical Code<sup>1</sup>
- 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

## STANDARDS & REFERENCES

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.

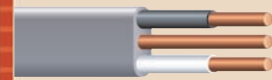
## CONSTRUCTION

- 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

## 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 manufactured by Southwire Company or approved equal.

<sup>1</sup> 2005 Edition.



# COPPER CONDUCTORS

UF-B

## WEIGHTS, MEASUREMENTS AND PACKAGING

MULTIPLE CONDUCTOR											
CONDUCTOR			JACKET THICKNESS (mils)	WITH GROUND				WITHOUT GROUND		ALLOWABLE AMPACITY†	STANDARD PACKAGE
SIZE/CONST. (AWG)	NUMBER OF STRANDS	INSULATION & JACKET THICKNESS (mils)		GROUND WIRE		CABLE DIMENSION (mils)	APPROX. NET WEIGHT PER 1000 FT.(lbs)	CABLE DIMENSION (mils)	APPROX. NET WEIGHT PER 1000 FT.(lbs)		
				SIZE (AWG)	NUMBER OF STRANDS						
<b>2 CONDUCTOR</b>											
14	1	19	30	14	1	423 X 168	71	354 X 168	53	15	EQ
12	1	19	30	12	1	463 X 183	97	386 X 183	71	20	EQ
10	1	24	30	10	1	518 X 215	140	440 X 215	104	30	EQ
6	7	35	45	10	1	678 X 302	223	576 X 302	178	40	CK
8	7	35	45	10	1	770 X 338	304	668 X 338	256	55	CK
<b>3 CONDUCTOR</b>											
14	1	19	30	14	1	581 X 168	97	501 X 168	78	15	EQ
12	1	19	30	12	1	626 X 183	131	581 X 183	110	20	BQ
10	1	24	30	10	1	727 X 215	194	661 X 215	159	30	BQ
6	7	35	45	10	1	1059 X 319	345	984 X 319	304	40	CK
8	7	35	45	10	1	1223 X 361	480	1153 X 361	438	55	CK
NOTE 1: Single conductor. Subject to special inquiry. †Not more than 3 conductors in cable per Table 310.16, National Electrical Code, 2005 Edition.									<b>STANDARD PACKAGE CODES</b> B – 1000 ft. reel C – 500 ft. reel E – 1000 ft. spool H – 250 ft. coil K – 125 ft. coil		