Copper UF-B

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

APPLICATIONS

Southwire® copper 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 2011 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.

STANDARDS & REFERENCES

Southwire® copper UF-B cable complies with the following:
- ASTM - B3 and B-8
- UL Standard 83
- UL Standard 493
- Federal Specification A-A-59544
- National Electrical Code, NFPA 70, 2011 Edition
- RoHS/ REACH

CONSTRUCTION

Southwire® copper 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.

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One Southwire Drive, Carrollton, GA 30119, USA

Conductor			Jacket Thickness (mils)	Ground Wire		Cable Dimension (mils)	Approx. Net Wt. Per 1000' (lbs.)	Allowable Ampacity	Standard Package
Size (AWG or kcmil)	No. of strands	Insulation and jacket thickness (mils)		Size (AWG)	No. of strands				
TWO CONDUCTOR									
14	1	19	30	14	1	423X168	70	15	AC
12	1	19	30	12	1	463X183	95	20	ACDE
12	1	19	30	Without Ground		386X183	70	20	AC
10	1	24	30	10	1	518X215	138	30	ACDE
8	7	35	45	10	1	678X302	222	40	BCE
6	7	35	45	10	1	770X338	303	55	BCE
THREE CONDUCTOR									
14	1	19	30	14	1	581X168	95	15	AC
12	1	19	30	12	1	626X183	129	20	ACD
12	1	19	30	Without Ground		581X183	107	20	A
10	1	24	30	10	1	727X215	191	30	ABC
8	7	35	45	10	1	1059X319	344	40	BCE
6	7	35	45	10	1	1223X361	478	55	BCE
+ Ampacities per National Electrical Code section 310.15 and 340.80, 2011 Edition								Package Code: A-250' B-500' C-1,000' D-2,500' E-125'	

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.

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Conductor		
Size (AWG or kcmil)	No. of strands	Stock Numbers
TWO CONDUCTOR		
14	1	**Stock #: 130542**
12	1	**Stock #: 130559**
12	1	**Stock #: 130492**
10	1	**Stock #: 130567**
8	7	**Stock #: 208587**
6	7	**Stock #: 214692**
THREE CONDUCTOR		
14	1	**Stock #: 130575**
12	1	**Stock #: 130583**
12	1	**Stock #: 130526**
10	1	**Stock #: 130591**
8	7	**Stock #: 147835**
6	7	**Stock #: 147827**

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