



UNITED COPPER INDUSTRIES
COPPER BUILDING WIRE & CABLE PRODUCTS

UF-B



Type UF-B
Underground Feeder Cable
600 volts

Applications

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®. UF-B cable may be 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 in the National Electrical Code®. UF-B can be used in applications permitted in Section 339 of the National Electrical Code®. Voltage rating for UF-B cable is 600 volts.

Specifications

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® (NFPA 70).

Construction

Type UF-B cable is manufactured as 2 or 3 conductor cable, with a ground wire. Copper conductors are annealed (soft) copper, solid or compressed stranded. Phase conductors are lead-free polyvinyl chloride (PVC) insulated, nylon jacketed, color-coded for identification purposes, and jacketed with sunlight, moisture and fungus resistant lead-free gray PVC.

Insulated Conductor				Cable Dimensions (mils)	Allowable Ampacity +	Ground Wire		Approx. Net Weight Per 1,000' (lb.)	Standard Package
Size (AWG)	No. Conductors in Cable	No. Strands in Conductor	Insulation and Jacket Thickness (mils)			Size (AWG)	No. Strands		
COPPER									
14	2	1	19	423 x 168	15	14	1	71	BE
12	2	1	19	463 x 183	20	12	1	97	BE
10	2	1	24	518 x 215	30	10	1	141	BE
8	2	7	35	700 x 319	40	10	1	234	AD
6	2	7	35	900 x 361	55	10	1	341	AD
14	3	1	19	581 x 168	15	14	1	97	BE
12	3	1	19	626 x 183	20	12	1	131	BE
10	3	1	24	727 x 215	30	10	1	194	BE
8	3	7	35	1059 x 319	40	10	1	344	AD
6	3	7	35	1223 x 361	55	10	1	479	AD

NOTE 1: Single conductor. Subject to special inquiry.
+ Not more than 3 conductors in cable per table 310-6, National Electrical Code.
NOTE: Jacket thickness for all UF-B cable is 30 mils

STANDARD PACKAGING CODE:
A - 125' Coil D - 500' Reel
B - 250' Coil E - 1000' Reel
C - 500' Coil

Recommended Sample Specifications

Cable shall be UL listed type UF-B, suitable for operation at 600 volts in all installations as specified by the National Electrical Code®. Conductors shall be annealed copper, insulated with high-heat, moisture resistant, and lead-free PVC, nylon jacketed, and jacketed with sunlight, moisture and fungus resistant, lead-free gray PVC.



UNDERGROUND-FEEDER CABLE



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