



Listed E-123776



ENGINEERING SPECIFICATIONS:

Standards:

Underwriters Laboratories Standards UL-83, UL-493
 Federal Specification A-A-59544
 ASTM-B3 and B8
 ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

Solid 14-10 AWG soft, uncoated copper per ASTM-B3
 Stranded 8 AWG conductor and larger uncoated per ASTM-B8

Insulation:

Color-coded Polyvinyl Chloride (PVC) compound meeting the required thickness of Type THHN or THWN with a heat-stabilized Nylon rated for 90°C in dry or 75°C in wet locations.

Grounding Conductor:

Soft, uncoated copper per ASTM-B3 and or B8

Applications:

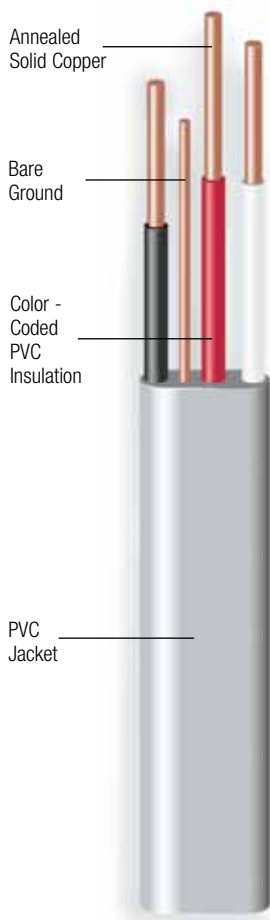
Type UF-B (Underground Feeder Cable) has a broad range of usage as defined in Article 340 of the National Electrical Code (NEC). Type UF-B may be installed as interior wiring in wet, dry, or corrosive locations at temperatures not to exceed 90°C (with ampacity limited to that for 60°C conductors) as specified by the National Electrical Code. Type UF-B may be used where exposed to direct rays of the sun or underground, including direct burial. Type UF-B may also be used in applications permitted for Type NM-C construction as specified in Article 334.10 B of the NEC. Maximum voltage rating for UF-B is 600 volts.

Assembly:

2 and 3-conductor constructions have the insulated conductors laid parallel. When a ground wire is present, it is laid in a valley between the insulated conductors.

Jacket:

A gray, sunlight-resistant PVC jacket is applied over the completed assembly.



Type UF-B Copper Conductor

Size (AWG) and Number of Conductors	Number of Strands	Ground Wire Size (AWG)	Insulation Thickness (in)		Jacket Thickness (in)	Allowable Ampacity (Amps)*	Outside Diameter (in)	Approximate Net Weight (lbs/1000 ft)	Standard Packaging (ft)
			PVC	Nylon					
With Ground									
14/2G	Solid	14	.015	.004	.030	15	.185 x .385	53	25' 50' 100' 250' EZ, 500' 1000' 5000' reels
12/2G	Solid	12	.015	.004	.030	20	.195 x .415	75	25' 50' 100' 250' EZ, 500' 1000' 2500' 5000' reels
10/2G	Solid	10	.020	.004	.030	30	.230 x .460	140	25' 50' 100' 250' 500' 1000' 2500' 5000' reels
8/2G	7	10	.030	.005	.045	40	.320 x .620	213	125' 250' EZ, 500' 1000' 2500' reels
6/2G	7	10	.030	.005	.045	55	.385 x .800	305	125' EZ, 500' 1000' 2500' reels
14/3G	Solid	14	.015	.004	.030	15	.185 x .575	93	25' 50' 100' 250' EZ, 500' 1000' 5000' reels
12/3G	Solid	12	.015	.004	.030	20	.195 x .620	134	25' 50' 100' 250' EZ, 500' 1000' 5000' reels
10/3G	Solid	10	.020	.004	.030	30	.230 x .690	194	25' 50' 100' 250' EZ, 500' 1000' 5000' reels
8/3G	7	10	.030	.005	.045	40	.320 x .990	330	125' 500' 1000' 2500' reels
6/3G	7	10	.030	.005	.045	55	.385 x 1.200	449	125' 500' 1000' 2500' reels

*Allowable ampacity shown above is per the National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

PRINT LEGEND: ENCORE WIRE CORPORATION (SIZE) WITH GROUND TYPE UF-B SUN-RES 600 VOLTS (UL) DATE/TIME/OPER/QC