

Type UF-B Underground Feeder Cable

600 V Copper, PVC/Nylon, Ground, PVC Jacket, 90 °C

CME[®]
wire and cable

A Viakable Company

Features

UL Listed as UF-B Cable.

Single conductors are dual rated THHN/THWN, meeting 90 °C for Wet and Dry locations.

Jacket is rated Sunlight Resistance for CT use.

Application

For use underground, including direct burial in the earth.

For wiring in wet, dry, or corrosive locations under the recognized wiring methods of the NEC.

Multiconductor can be installed as nonmetallic-sheathed cable. Where so installed, installation and conductor requirements shall comply with Parts II and III of Article 334.

The allowable ampacity shall not exceed that of a 60°C rated conductor, in accordance with NEC.

Standards

UL 493

Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables.

UL 83

Thermoplastic-Insulated and Cables.

A-A-59544

Federal Specifications Standards and Test Methods.

Specifications

Maximum operating voltage:

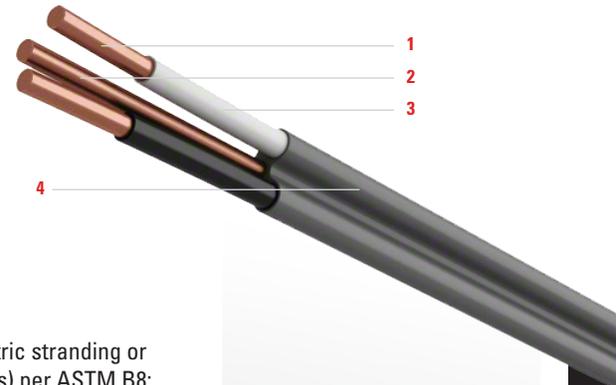
- 600 volts

Maximum conductor operation temperature:

- 90° C Dry, but conductor ampacity is limited to 60 °C, in accordance with NEC.

Engineering Information

1. Copper Conductor: Soft annealed uncoated copper solid wire per ASTM B3; or soft annealed uncoated copper Class



B or C concentric stranding or unilay (19 wires) per ASTM B8; or combination unilay per ASTM B787.

Sizes: 14 AWG – 6 AWG

Number of Conductors: 2 or 3.

2. Ground Wire: Soft annealed uncoated copper solid wire per ASTM B3.

3. Insulation: Flame retardant thermoplastic polyvinyl chloride (PVC) and nylon covering.

4. Jacket: Flexible, moisture, fungus, corrosion, sunlight resistant and flame retardant polyvinyl chloride (PVC), Gray color.

Technical Data

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Conductor			Ground Wire		Jacket Thickness mil	Cable Dimension mil	Net Weight lb/kft
Size AWG	Number of Strands	Insulation Thickness	Size	Number of Strands			
		mil	AWG				
Two Conductor							
14	1	19	14	1	30	354 x 170	68
12	1	19	12	1	30	388 x 187	94
10	1	24	10	1	30	440 x 219	138
8	19	35	10	1	45	635 x 315	234
6	19	35	10	1	45	750 x 352	324
Three Conductor							
14	1	19	14	1	30	543 x 170	98
12	1	19	12	1	30	593 x 187	134
10	1	24	10	1	30	667 x 219	195
8	19	35	10	1	45	963 x 315	340
6	19	35	10	1	45	1156 x 352	479

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. For sizes not listed above, please contact Sales Department.

Ampacities: Refer to beginning of section.