

FlexGlide™ Mobile Home Feeder AA-8000 - Tri-Rated



Compact Conductor, XLPE Insulated, 600 V

A Viakable Company

Features

Single conductors are UL Listed as Type RHH/RHW-2/USE-2 (aka Triple-Rated or Tri-rated).

AA-8000 Series aluminum alloy conductor for increased flexibility.

Use of lubrication is not mandatory to install FlexGlide™ conductors in the raceways. Annealed conductor of AA-8000 aluminum alloy are easy to bend for increased flexibility and less springback.

Excellent insulation properties for sunlight resistant, moisture resistant, and flame retardant.

Resistant to tear and abrasion.

Suitable for direct burial.

Complete cable is Lead Free and RoHS compliant.

Used for secondary distribution and underground service at 600 V or less.

May be used in ducts or direct burial.

Application

These cables are designed to connect mobile homes to an electrical supply where permanent wiring is required.

It can also be used for general purpose wiring in circuits not exceeding 600 volts.

May be used in wet or dry locations, installed in conduit, duct, and directly buried in earth not exceeding 90 °C and in accordance with requirements of the NEC®.

Standards

ICEA S-105-692

600 V Single Layer Thermoset Insulated Utility Underground Distribution Cable.

UL 854

Service-Entrance Cables.

UL 44

Thermoset-Insulated Wire and Cable.

Specifications

Maximum operating voltage:

- 600 V

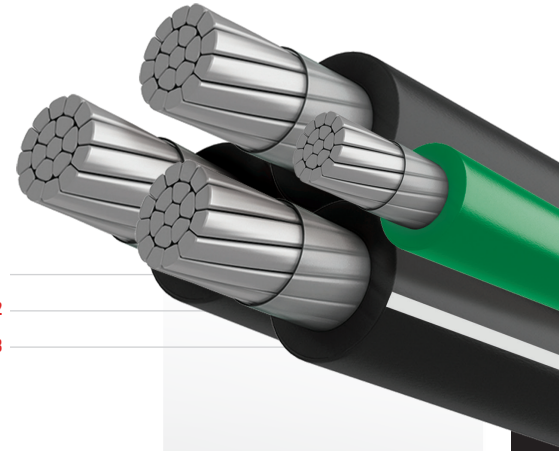
Maximum conductor operation temperatures:

- 90 °C wet and dry

Engineering Information

1. Conductor: Aluminum alloy AA-8000 series, compact Class B stranding per ASTM B801.

2. Separator: A suitable opaque tape, as required.



3. Insulation:

Two Phase conductors:

Black thermoset cross-linked polyethylene (XLPE).

Neutral conductor:

Black thermoset cross-linked polyethylene (XLPE), with three white extruded stripes.

Grounding conductor:

Green thermoset cross-linked polyethylene (XLPE)

Conductor Phase ID: Ink printed.

Configurations

Quadruplex: Two black phase insulated conductors (A & B); one neutral insulated conductor; and, one green ground insulated conductor cabled together.

Technical Data

Mobile Home Feeder AA-8000 Series Tri-Rated; USE-2/RHH/RHW-2; Compact Conductor

Sizes	Part Number	Phase Conductor					Neutral Conductor			Ground Conductor			Cable OD		Net Weight lb/kft	Ampacity†
		Size AWG or kcmil	Number of Strands*	Diameter mil	Insulation Thickness mil	Insulated Diameter mil	Size AWG or kcmil	Number of Strands	Insulation Thickness mil	Size AWG or kcmil	Number of Strands*	Insulation Thickness mil	Complete Cable in			
2-2-4-6	MHF2246	2	19	269	60	389	4	7	60	6	7	60	0.842	318	100	
2/0-2/0-1-4	MHF202014	2/0	19	376	80	536	1	19	80	4	7	60	1.164	395	150	
4/0-4/0-2/0-4	MHF4040204	4/0	19	475	80	635	2/0	19	80	4	7	60	1.543	813	205	

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

* Number of wires may vary as permitted by ASTM B801 and UL 44.

† Ampacities are based on NEC 2014 Table 310.15(B)(16) for insulated conductors rated up to and including 2000 volts, at 90 °C for not more than three current-carrying conductors in raceway, cable, or earth (directly buried), based on ambient temperature of 30 °C.