

FlexGlide™ Secondary URD AA-8000 - Tri-Rated



A Viakable Company

Compressed Conductor, XLPE Insulated, 600 V

Features

RUS accepted as Type USE-2.

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 heat, ozone, oil and chemical resistance.

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.

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, compressed Class B stranding per ASTM B801.

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

3. Insulation:

Phase conductor: Black thermoset cross-linked polyethylene (XLPE).

Neutral conductor: Black thermoset cross-linked polyethylene (XLPE), with three yellow extruded stripes.

Conductor Phase ID: Ink printed.

Configurations

Single: One black phase insulated conductor.

Duplex: One black phase insulated conductor and one neutral insulated conductor cabled together.

Triplex: Two black phase insulated conductors (A & B) and one neutral insulated conductor cabled together.

Quadruplex: Three black phase insulated conductors (A, B & C) and one neutral insulated conductor cabled together.



TRIPLEX

Technical Data

Triplex AA-8000 Series Tri-Rated; USE-2/RHH/RHW-2; Compressed Conductor

Code Word	Standard Packaging	Phase Conductor			Neutral Conductor			Cable OD		XLPE Insulation	
		Size AWG or kcmil	Number of Strands	Insulation Thickness	Size AWG or kcmil	Number of Strands	Insulation Thickness	Single Phase in	Complete Cable in	Code Word Suffix	Net Weight
				mil			mil				lb/kft
Ramapo	1000' reel	2	7	60	2	7	60	0.403	0.820	/XLP/EYS	310.47
Hunter	1000' reel	2/0	19	80	2/0	19	80	0.555	1.130	/XLP/EYS	585.66
Sweetbriar	1000' reel	4/0	19	80	2/0	19	80	0.658	1.275	/XLP/EYS	770.90
Monmouth	1000' reel	4/0	19	80	4/0	19	80	0.658	1.345	/XLP/EYS	863.51
Pratt	1000' reel	250	37	95	3/0	19	80	0.748	1.430	/XLP/EYS	932.20
Wesleyan	1000' reel	350	37	95	4/0	19	80	0.851	1.605	/XLP/EYS	1211.85

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.
Ampacities: Refer to table below.

Ampacity Data

Triplex

Conductor Size AWG/kcmil	Ampacity*	
	In Duct	Direct Burial
8	55	70
6	70	95
4	90	125
2	120	165
1/0	160	215
2/0	180	245
3/0	205	280
4/0	240	315
250	265	345
350	320	415

* Conductor temperature of 90 °C; ambient temperature of 20 °C; RHO 90; 100% load factor with neutral carrying only unbalanced load for triplex assemblies.

NOTE: For NEC application ampacities, use NEC table 310.15.B(16).