

FlexGlide™ Secondary URD AA-8000 - Tri-Rated



Compressed Conductor, XLPE Insulated, 600 V

A Viakable Company

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.

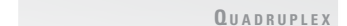
Configurations

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.



Technical Data

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

| Code Word | Phase Conductor | | | Neutral Conductor | | | Cable OD | | XLPE Insulation | |
|--------------|-------------------|-------------------|--------------------------|-------------------|-------------------|--------------------------|-----------------|-------------------|------------------|-------------------|
| | Size AWG or kcmil | Number of Strands | Insulation Thickness mil | Size AWG or kcmil | Number of Strands | Insulation Thickness mil | Single Phase in | Complete Cable in | Code Word Suffix | Net Weight lb/kft |
| Erskine | 6 | 7 | 60 | 6 | 7 | 60 | 0.31 | 0.66 | /XLP/EYS | 139 |
| Vassar | 4 | 7 | 60 | 4 | 7 | 60 | 0.35 | 0.76 | /XLP/EYS | 198 |
| Stephens | 2 | 7 | 60 | 4 | 7 | 60 | 0.41 | 0.88 | /XLP/EYS | 257 |
| Ramapo | 2 | 7 | 60 | 2 | 7 | 60 | 0.41 | 0.88 | /XLP/EYS | 287 |
| Grossmont | 1 | 19 | 80 | 1 | 19 | 80 | 0.49 | 1.06 | /XLP/EYS | 383 |
| Brenau | 1/0 | 19 | 80 | 2 | 7 | 60 | 0.53 | 1.14 | /XLP/EYS | 402 |
| Bergen | 1/0 | 19 | 80 | 1/0 | 19 | 80 | 0.53 | 1.14 | /XLP/EYS | 460 |
| Fisk | 2/0 | 19 | 80 | 2 | 7 | 60 | 0.57 | 1.24 | /XLP/EYS | 468 |
| Converse | 2/0 | 19 | 80 | 1 | 19 | 80 | 0.57 | 1.24 | /XLP/EYS | 500 |
| Shaw | 2/0 | 19 | 80 | 1/0 | 19 | 80 | 0.57 | 1.24 | /XLP/EYS | 525 |
| Hunter | 2/0 | 19 | 80 | 2/0 | 19 | 80 | 0.57 | 1.24 | /XLP/EYS | 558 |
| Calvert | 3/0 | 19 | 80 | 2 | 7 | 60 | 0.62 | 1.34 | /XLP/EYS | 547 |
| Chase | 3/0 | 19 | 80 | 1 | 19 | 80 | 0.62 | 1.34 | /XLP/EYS | 579 |
| Hollins | 3/0 | 19 | 80 | 1/0 | 19 | 80 | 0.62 | 1.34 | /XLP/EYS | 605 |
| Rockland | 3/0 | 19 | 80 | 3/0 | 19 | 80 | 0.62 | 1.34 | /XLP/EYS | 677 |
| Coburn | 4/0 | 19 | 80 | 1 | 19 | 80 | 0.68 | 1.47 | /XLP/EYS | 680 |
| Molloy | 4/0 | 19 | 80 | 1/0 | 19 | 80 | 0.68 | 1.47 | /XLP/EYS | 705 |
| Sweetbriar | 4/0 | 19 | 80 | 2/0 | 19 | 80 | 0.68 | 1.47 | /XLP/EYS | 738 |
| Monmouth | 4/0 | 19 | 80 | 4/0 | 19 | 80 | 0.68 | 1.47 | /XLP/EYS | 828 |
| Aquinas | 250 | 37 | 95 | 2/0 | 19 | 80 | 0.76 | 1.63 | /XLP/EYS | 844 |
| Pratt | 250 | 37 | 95 | 3/0 | 19 | 80 | 0.76 | 1.63 | /XLP/EYS | 884 |
| Yeshiva | 250 | 37 | 95 | 250 | 37 | 95 | 0.76 | 1.63 | /XLP/EYS | 987 |
| Allen | 300 | 37 | 95 | 2/0 | 19 | 80 | 0.81 | 1.75 | /XLP/EYS | 956 |
| Greenville | 350 | 37 | 95 | 1/0 | 19 | 80 | 0.86 | 1.85 | /XLP/EYS | 1034 |
| Gloucester | 350 | 37 | 95 | 3/0 | 19 | 80 | 0.86 | 1.85 | /XLP/EYS | 1106 |
| Wesleyan | 350 | 37 | 95 | 4/0 | 19 | 80 | 0.86 | 1.85 | /XLP/EYS | 1156 |
| Newark | 350 | 37 | 95 | 350 | 37 | 95 | 0.86 | 1.85 | /XLP/EYS | 1320 |
| Old Dominion | 500 | 37 | 95 | 4/0 | 19 | 80 | 0.99 | 2.13 | /XLP/EYS | 1483 |
| Holyoke | 500 | 37 | 95 | 300 | 37 | 95 | 0.99 | 2.13 | /XLP/EYS | 1592 |
| Rider | 500 | 37 | 95 | 350 | 37 | 95 | 0.99 | 2.13 | /XLP/EYS | 1647 |
| Westchester | 500 | 37 | 95 | 500 | 37 | 95 | 0.99 | 2.13 | /XLP/EYS | 1811 |
| Villanova | 750 | 61 | 110 | 350 | 37 | 95 | 1.20 | 2.58 | /XLP/EYS | 2215 |
| Voorhees | 750 | 61 | 110 | 450 | 37 | 95 | 1.20 | 2.58 | /XLP/EYS | 2324 |
| Fairfield | 750 | 61 | 110 | 500 | 37 | 95 | 1.20 | 2.58 | /XLP/EYS | 2379 |
| Seton Hall | 750 | 61 | 110 | 750 | 61 | 110 | 1.20 | 2.58 | /XLP/EYS | 2662 |

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

Ampacities: Refer to table at beginning of section.

Technical Data *continued*

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

| Code Word | Phase Conductor | | | Neutral Conductor | | | Cable OD | | XLPE Insulation | |
|---------------|-------------------|-------------------|--------------------------|-------------------|-------------------|--------------------------|-----------------|-------------------|------------------|------------------|
| | Size AWG or kcmil | Number of Strands | Insulation Thickness mil | Size AWG or kcmil | Number of Strands | Insulation Thickness mil | Single Phase in | Complete Cable in | Code Word Suffix | Net Weight lb/ft |
| Tulsa | 4 | 7 | 60 | 4 | 7 | 60 | 0.35 | 0.85 | /XLP/EYS | 263 |
| Miami | 2 | 7 | 60 | 6 | 7 | 60 | 0.41 | 0.99 | /XLP/EYS | 333 |
| Dyke | 2 | 7 | 60 | 4 | 7 | 60 | 0.41 | 0.99 | /XLP/EYS | 353 |
| Wittenberg | 2 | 7 | 60 | 2 | 7 | 60 | 0.41 | 0.99 | /XLP/EYS | 382 |
| Notre Dame | 1/0 | 19 | 80 | 2 | 7 | 60 | 0.53 | 1.28 | /XLP/EYS | 556 |
| Purdue | 1/0 | 19 | 80 | 1/0 | 19 | 80 | 0.53 | 1.28 | /XLP/EYS | 614 |
| Syracuse | 2/0 | 19 | 80 | 1 | 19 | 80 | 0.57 | 1.39 | /XLP/EYS | 686 |
| Lafayette | 2/0 | 19 | 80 | 2/0 | 19 | 80 | 0.57 | 1.39 | /XLP/EYS | 744 |
| Swarthmore | 3/0 | 19 | 80 | 1/0 | 19 | 80 | 0.62 | 1.51 | /XLP/EYS | 831 |
| Davidson | 3/0 | 19 | 80 | 3/0 | 19 | 80 | 0.62 | 1.51 | /XLP/EYS | 903 |
| Mc Pherson | 4/0 | 19 | 80 | 2 | 7 | 60 | 0.68 | 1.64 | /XLP/EYS | 924 |
| Doane | 4/0 | 19 | 80 | 1/0 | 19 | 80 | 0.68 | 1.64 | /XLP/EYS | 981 |
| Wake Forest | 4/0 | 19 | 80 | 2/0 | 19 | 80 | 0.68 | 1.64 | /XLP/EYS | 1014 |
| Earlham | 4/0 | 19 | 80 | 4/0 | 19 | 80 | 0.68 | 1.64 | /XLP/EYS | 1104 |
| Rust | 250 | 37 | 95 | 3/0 | 19 | 80 | 0.76 | 1.83 | /XLP/EYS | 1213 |
| Palomar | 250 | 37 | 95 | 250 | 37 | 95 | 0.76 | 1.83 | /XLP/EYS | 1316 |
| Slippery Rock | 350 | 37 | 95 | 4/0 | 19 | 80 | 0.86 | 2.08 | /XLP/EYS | 1596 |
| Pomona | 350 | 37 | 95 | 350 | 37 | 95 | 0.86 | 2.08 | /XLP/EYS | 1760 |
| Morehouse | 500 | 37 | 95 | 300 | 37 | 95 | 0.99 | 2.39 | /XLP/EYS | 2196 |
| Wofford | 500 | 37 | 95 | 350 | 37 | 95 | 0.99 | 2.39 | /XLP/EYS | 2251 |
| Marshall | 500 | 37 | 95 | 500 | 37 | 95 | 0.99 | 2.39 | /XLP/EYS | 2415 |
| Westminster | 750 | 61 | 110 | 350 | 37 | 95 | 1.20 | 2.89 | /XLP/EYS | 3102 |
| Windham | 750 | 61 | 110 | 500 | 37 | 95 | 1.20 | 2.89 | /XLP/EYS | 3266 |
| Tabor | 750 | 61 | 110 | 750 | 61 | 110 | 1.20 | 2.89 | /XLP/EYS | 3550 |

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

Ampacities: Refer to table at beginning of section.

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