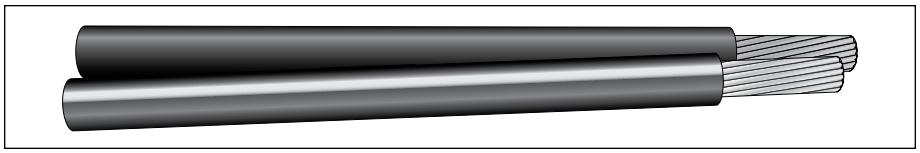
PowrServ® AR Underground Distribution Cable

600 V Duplex Al Conductor Composite XLPE/HDXLPE Insulation, UL Type USE-2



POWRSERV AR DUPLEX CABLE—XLPE/HDXLPE—600 VOLTS

CODE WORD	PHASE CONDUCTOR				NEUTRAL CONDUCTOR				EFF. O.D. IN	APPROX. WEIGHT LB/1000 FT		AMPACITY (2)		PKG. 1000 FEET REEL (3)
	SIZE AWG OR kcmil	NO. OF WIRES (1)	XLPE THKN. IN	HDXLPE THKN. IN	SIZE AWG OR kcmil	NO. OF WIRES	XLPE THKN. IN	HDXLPE THKN. IN		AL	TOTAL	DIRECT BURIED	IN DUCT	
Claflin/AR/EYS	6	7	0.030	0.030	6	7	0.030	0.030	0.60	59	89	110	70	NR 24.18
Delgado/AR/EYS	4	7	0.030	0.030	4	7	0.030	0.030	0.69	78	127	145	90	NR 24.18
Everett/AR/EYS	2	7	0.030	0.030	2	7	0.030	0.030	0.81	125	185	185	120	NR 27.18
Findlay/AR/EYS	2/0	19	0.040	0.040	2/0	19	0.040	0.040	1.11	250	355	270	185	NR 32.24
Hanover/AR/EYS	4/0	19	0.040	0.040	4/0	19	0.040	0.040	1.32	398	528	350	245	NR 40.24

(1) Actual number of wires may differ for compressed round stranded aluminum conductors using single input wire (SIW).
(2) Ampacities are for non-code-complying installations. For installations covered by National Electrical Code (NEC), see the appropriate section of the NEC. Ampacity based on earth thermal resistivity of 90˚C-cm/watt, 90˚C conductor temp., 20˚C earth ambient temperature, 100% load factor and 36" depth of burial. Values based on current in both the phase and neutral conductors. For specific ampacities, contact your General Cable sales representative.
(3) Reel sizes may vary. MasterPak reel-less packaging is available - see Section 6 for description and typical dimensions for selected low-voltage products.

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.

Product Construction:

Complete Cable:

Duplex PowrServ® abuse-resistant (AR) underground distribution cables consist of one phase and one neutral conductor, both of which are insulated with extruded lead-free composite Cross-linked Polyethylene (XLPE) and High-Density Cross-linked Polyethylene (HDXLPE). The cables are twisted together to form a duplex assembly. These XLPE insulated cables are manufactured and tested in accordance with ANSI/ICEA S-81-570 and UL 854, listed as a Type USE-2 cable.

Conductors:
Class B or SIW compressed 1350-H19 aluminum.

Composite Insulation:
The extruded lead-free cross-linked polyethylene insulation meets the requirements of ANSI/ICEA S-81-570. The extruded lead-free high-density cross-linked polyethylene meets the requirements of ASTM D1248, Type III. The phase conductor is black, and the neutral conductor is black, identified by three extruded yellow stripes.

Phase Identification:
Phase identification is provided by means of white print legend markings and sequential footage markings on the phase conductor and white print legend markings and three extruded yellow stripes on the neutral conductor.

Features and Benefits:

The dual extruded composite insulation system provides a very high degree of protection against insulation damage from unclean backfill material and from cuts and abrasions that can occur during installation. For NEC-complying applications, the maximum conductor operating temperature is 90°C in wet or dry locations. This cable is also suitable for non-code-complying installations with a maximum conductor temperature of 90°C in wet or dry locations.

Applications:

PowrServ AR XLPE/HDXLPE underground distribution cable is intended for use in underground systems operated at 600 volts or less.

Options:

- Aluminum 1350-H16 or H26 (¾ Hard) stranded conductor
- Copper conductors
- Sizes 250 through 500 kcmil available with thin wall (0.040"/0.040") insulation
- Composite PE/HDPE insulation, 75˚C rating
- Other phase identification methods
- Combined Duct & Cable factory-installed in extruded HDPE duct
- MasterPak® reel-less packaging

UL LISTED

General Cable