

# PowrServ® XL Underground Distribution Cable

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



**Product Construction:**

**Complete Cable:**

Duplex 600 V PowrServ® XL cables consist of one phase conductor and one neutral conductor that are insulated with extruded lead-free Cross-linked Polyethylene (XLPE). The cables are twisted together to form a duplex assembly. These XLPE insulated cables are manufactured and tested in accordance with ANSI/ICEA S-105-692 and UL 854, listed as a Type USE-2 cable.

**Conductors:**

Class B or SIW compressed 1350-H19 aluminum.

**Insulation:**

The insulation is extruded lead-free Cross-linked Polyethylene (XLPE). 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:**

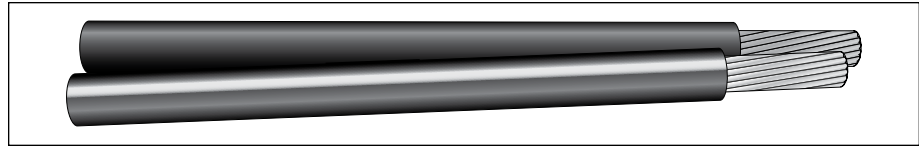
600 V PowrServ XL underground distribution cables are suitable for direct burial or installations in ducts and are resistant to abrasion, impact and sunlight. For NEC-complying applications, the maximum conductor operating temperature is 90°C in wet or dry locations. This cable is also suitable for noncode-complying installations with a maximum conductor temperature of 90°C in wet or dry locations.

**Applications:**

PowrServ XL 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
- Series 8000 aluminum alloy conductor
- Sizes 250 through 500 kcmil available with thin wall (0.080") insulation
- High-molecular-weight Polyethylene (PE) insulation, 75°C rating
- Type RHH/RHW-2 per UL 44
- Other phase identification methods
- Combined Duct & Cable factory-installed in extruded HDPE duct
- MasterPak® reel-less packaging



POWRSERV XL DUPLEX CABLE—XLPE INSULATION—600 VOLTS												
CODE WORD	PHASE CONDUCTOR			NEUTRAL CONDUCTOR			EFF. O.D. INCHES	APPROX. WEIGHT LB/1000 FT		AMPACITY (2)		PACKAGING 1000 FT REEL (3)
	SIZE AWG OR kcmil	NO. OF WIRES (1)	INS. THKN. INCHES	SIZE AWG OR kcmil	NO. OF WIRES	INS. THKN. INCHES		AL	TOTAL	DIRECT BURIED	IN DUCT	
Clafin/XP/EYS	6	7	0.060	6	7	0.060	0.60	49	89	110	70	NR 24.18
Delgado/XP/EYS	4	7	0.060	4	7	0.060	0.69	78	127	145	90	NR 24.18
Everett/XP/EYS	2	7	0.060	2	7	0.060	0.81	125	185	185	120	NR 27.18
Findlay/XP/EYS	2/0	19	0.080	2/0	19	0.080	1.11	250	353	270	185	NR 32.24
Hanover/XP/EYS	4/0	19	0.080	4/0	19	0.080	1.32	398	526	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.