

PowrServ® XL Underground Distribution Cable

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



Product Construction:

Complete Cable:

Triplex 600 V PowrServ® XL cables consist of two phase conductors and one neutral conductor, all of which are insulated with extruded lead-free Cross-linked Polyethylene (XLPE). The cables are twisted together to form a triplex 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 two phase conductors are 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 one phase conductor, white print legend markings on the other phase conductor, and white print legend markings and three extruded yellow stripes on the neutral conductor.

Features and Benefits:

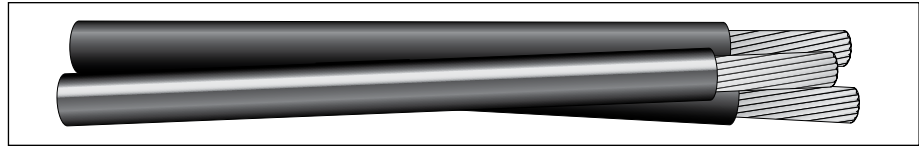
600 V PowrServ XL underground distribution cables are suitable for direct burial or installations in ducts and are resistant to abrasion, impact and sunlight. For NEC-complying applications, the maximum conductor operating temperature is 90°C in wet or dry locations. This cable is also suitable for non-code-complying 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 TRIPLEX 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	
Erskine/XP/EYS	6	7	0.060	6	7	0.060	0.64	74	133	110	70	NR 27.18
Vassar/XP/EYS	4	7	0.060	4	7	0.060	0.74	118	190	145	90	NR 30.18
Stephens/XP/EYS	2	7	0.060	4	7	0.060	0.84	164	248	185	120	NR 32.24
Ramapo/XP/EYS	2	7	0.060	2	7	0.060	0.87	187	277	185	120	NR 32.24
Brenau/XP/EYS	1/0	19	0.080	2	7	0.080	1.04	261	384	235	160	NR 36.24
Bergen/XP/EYS	1/0	19	0.080	1/0	19	0.080	1.10	298	437	235	160	NR 40.24
Converse/XP/EYS	2/0	19	0.080	1	19	0.080	1.15	329	474	270	185	NR 40.24
Hunter/XP/EYS	2/0	19	0.080	2/0	19	0.080	1.20	375	530	270	185	NR 40.24
Hollins/XP/EYS	3/0	19	0.080	1/0	19	0.080	1.25	415	576	305	210	NR 40.24
Rockland/XP/EYS	3/0	19	0.080	3/0	19	0.080	1.30	473	645	305	210	NR 42.26
Sweetbriar/XP/EYS	4/0	19	0.080	2/0	19	0.080	1.36	523	702	350	245	NR 42.26
Monmouth/XP/EYS	4/0	19	0.080	4/0	19	0.080	1.42	597	789	350	245	NR 45.28
Pratt/XP/EYS	250†	37	0.095	3/0	19	0.080	1.53	628	852	380	270	NR 45.28
Wesleyan/XP/EYS	350†	37	0.095	4/0	19	0.080	1.69	858	1111	455	325	NR 50.32
Newark/XP/EYS	350†	37	0.095	350	37	0.095	2.03	988	1277	455	325	NR 58.32
Rider/XP/EYS	500†	37	0.095	350	37	0.095	2.03	1269	1596	555	410	NR 58.32

(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 no current in the neutral conductor. 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.
 † Available with thin wall (0.080") insulation.

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