

PowrServ® OH Service Drop Cable Neutral-Supported

600 V Quadruplex Al Conductor XLPE Insulation



Product Construction:

Complete Cable:

Overhead (OH) quadruplex service drop cable consists of three aluminum conductors insulated with extruded lead-free Cross-linked Polyethylene (XLPE), twisted around a bare conductor which serves as a supporting neutral. Service drop cable meets the requirements of ANSI/ICEA S-76-474.

Insulated Conductors:

The all-aluminum stranded conductors are Class A, Class B, or SIW compressed 1350-H19 aluminum. Solid conductors are H16 temper.

Insulation:

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

Bare Neutral:

The all-aluminum stranded conductors are Class AA or Class A 1350-H19 (AAC) or 6201-T81 alloy (AAAC). The aluminum conductor steel reinforced (ACSR) is Class AA. The direction of lay of the outer layer is right-hand.

Phase Identification:

Phase identification is provided by means of white print legend markings on one phase conductor, one rib on another phase conductor, and two ribs on another phase conductor.

Features and Benefits:

The insulated conductors of service drop cables are resistant to weathering, sunlight, abrasion, tearing, cutting and chemicals. This cable is rated at 600 volts with a maximum conductor operation temperature of 90°C for cross-linked polyethylene insulation.

Applications:

Quadruplex service drop cable is intended to deliver 4-wire three phase power from the secondary power line or pole-mounted transformer to the service-entrance conductors at the user's building or other structure. It may also be used as pole line secondary with service splices at the pole or in mid-span.

Options:

- Aluminum 1350-H16 or H26 (¾ Hard) stranded conductor
- Copper conductors
- High-molecular-weight Polyethylene (PE) insulation, 75°C rating
- High-Density Polyethylene (HDPE) insulation, 75°C rating
- MasterPak® reel-less packaging



POWRSERV OH QUADRUPLEX SERVICE DROP - XLPE INSULATION - 600 VOLTS												
CODE WORD	PHASE CONDUCTOR			NEUTRAL CONDUCTOR			EFF. O.D. INCHES	APPROX. WEIGHT LB/1000 FT		AMPS (2)	PACKAGING (3)	
	SIZE AWG	NO. OF WIRES (1)	INS. THKN. INCHES	SIZE AWG	NO. OF WIRES	RATED STRG. POUNDS		AL	TOTAL		TYPE & SIZE	LENGTH FEET

ALUMINUM 1350 FULL-SIZE NEUTRAL MESSENGER

Quarter/XP	6	1	0.045	6	7	563	0.57	97	133	105	COIL NR 32.24	500 2500
Clydesdale/XP	4	1	0.045	4	7	881	0.67	155	197	135	COIL NR 32.24	500 1700
Pinto/XP	4	7	0.045	4	7	881	0.71	157	210	135	COIL NR 32.24	500 1700
Mustang/XP	2	7	0.045	2	7	1350	0.85	250	317	175	NR 40.24	1800
Shire/XP	1	19	0.060	1	7	1640	1.00	315	408	205	NR 40.24	1500
Libyan/XP	1/0	7	0.060	1/0	7	1990	1.09	397	510	240	NR 40.24	1200
Criollo/XP	1/0	19	0.060	1/0	7	1990	1.08	397	499	240	NR 40.24	1200
Orloff/XP	2/0	7	0.060	2/0	7	2510	1.20	501	629	280	NR 45.28	1500
Percheron/XP	2/0	19	0.060	2/0	7	2510	1.19	501	614	280	NR 45.28	1500
Mongolian/XP	3/0	7	0.060	3/0	7	3040	1.32	631	776	325	NR 45.28	1300
Hanoverian/XP	3/0	19	0.060	3/0	19	3310	1.31	631	758	325	NR 45.28	1300
Singlefoot/XP	4/0	7	0.060	4/0	7	3830	1.45	796	962	375	NR 50.32	1100
Oldenberg/XP	4/0	19	0.060	4/0	19	4020	1.44	796	939	375	NR 50.32	1100

(1) Actual number of wires may differ for compressed round stranded aluminum conductors using single input wire (SIW).

(2) Ampacities are based on conductor temperature of 65°C over 25°C ambient, 2 ft/sec crosswind, .9 coefficient of emissivity, no sun. For specific ampacities, contact your General Cable sales representative.

(3) Normal length and shipping tolerances apply. 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.

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ACSR FULL-SIZE NEUTRAL MESSENGER

Morchuca/XP	6	1	0.045	6	6/1	1190	0.58	97	144	105	COIL NR 32.24	500 2500
Chola/XP	6	7	0.045	6	6/1	1190	0.61	99	153	105	COIL NR 32.24	500 2500
Morgan/XP	4	1	0.045	4	6/1	1860	0.69	154	216	135	COIL NR 32.24	500 1700
Hackney/XP	4	7	0.045	4	6/1	1860	0.72	157	229	135	COIL NR 32.24	500 1700
Palomino/XP	2	7	0.045	2	6/1	2850	0.87	249	347	175	NR 40.24	1800
Albino/XP	1	19	0.060	1	6/1	3550	1.02	314	446	205	NR 40.24	1500
Standardbred/XP	1/0	7	0.060	1/0	6/1	4380	1.11	397	557	240	NR 42.26	1200
Costena/XP	1/0	19	0.060	1/0	6/1	4380	1.10	397	546	240	NR 42.26	1200
Chicoteagues/XP	2/0	7	0.060	2/0	6/1	5300	1.22	500	688	280	NR 45.28	1500
Grullo/XP	2/0	19	0.060	2/0	6/1	5300	1.20	500	673	280	NR 45.28	1500
Mare/XP	3/0	7	0.060	3/0	6/1	6620	1.34	630	850	325	NR 50.32	1300
Suffolk/XP	3/0	19	0.060	3/0	6/1	6620	1.32	630	833	325	NR 50.32	1300
Stallion/XP	4/0	7	0.060	4/0	6/1	8350	1.48	795	1055	375	NR 50.32	1100
Appaloosa/XP	4/0	19	0.060	4/0	6/1	8350	1.46	795	1033	375	NR 50.32	1100

ALUMINUM 6201-T81 FULL-SIZE NEUTRAL MESSENGER

Arabian/XP	4	7	0.045	48.69	7	1760	0.72	163	217	135	COIL NR 32.24	500 1700
Belgian/XP	2	7	0.045	77.47	7	2800	0.87	260	327	175	NR 40.24	1800
Shetland/XP	1/0	19	0.060	123.3	7	4270	1.10	413	515	240	NR 40.24	1200
Thoroughbred/XP	2/0	19	0.060	155.4	7	5390	1.20	521	635	280	NR 45.28	1500
Trotter/XP	3/0	19	0.060	195.7	7	6790	1.32	656	784	325	NR 50.32	1300
Walking/XP	4/0	19	0.060	246.9	7	8560	1.46	828	971	375	NR 50.32	1100

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