

# PowrServ® OH Service Drop Cable Neutral-Supported

## 600 V Duplex Al Conductor XLPE Insulation



### POWRSERV OH DUPLEX 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

Pekingese/XP	6	1	.045	6	7	563	0.44	49	61	110	COIL NR 27.18	1000 3600
Collie/XP	6	7	.045	6	7	563	0.45	49	64	110	COIL NR 27.18	1000 3300
Cocker/XP	6	7	0.060	6	7	563	0.48	49	69	110	COIL NR 30.18	1000 3600
Dachshund/XP	4	1	.045	4	7	881	0.53	78	92	145	COIL NR 30.18	1000 2600
Spaniel/XP	4	7	.045	4	7	881	0.55	78	96	145	COIL NR 27.18	1000 2200
Cairn/XP	4	7	0.060	4	7	881	0.58	78	103	145	COIL NR 30.18	1000 2200
Doberman/XP	2	7	.045	2	7	1350	0.67	125	147	195	COIL NR 32.24	500 2500
Airedale/XP	1	19	0.060	1	7	1640	0.76	157	188	225	COIL NR 36.24	500 2500
Basset/XP	1/0	7	0.060	1/0	7	1990	0.84	199	236	260	COIL NR 32.24	500 1500
Malamute/XP	1/0	19	0.060	1/0	7	1990	0.84	199	233	260	COIL NR 32.24	500 1500

(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.

### Product Construction:

#### Complete Cable:

Overhead (OH) duplex service drop cable consists of one aluminum conductor 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 the 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 operating temperature of 90°C for cross-linked polyethylene insulation.

### Applications:

Duplex service drop cable is intended to deliver single 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 Service Drop Cable Neutral-Supported

## 600 V Duplex Al Conductor XLPE Insulation



**POWRSERV OH DUPLEX 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

**ACSR FULL-SIZE NEUTRAL MESSENGER**

Setter/XP	6	1	.045	6	6/1	1190	0.45	49	72	110	COIL NR 27.18	1000 3300
Shepherd/XP	6	7	.045	6	6/1	1190	0.47	49	75	110	COIL NR 30.18	1000 3300
Retriever/XP	6	7	0.060	6	6/1	1190	0.50	49	80	110	COIL NR 30.18	1000 3300
Eskimo/XP	4	1	.045	4	6/1	1860	0.54	78	110	145	COIL NR 27.18	1000 2400
Terrier/XP	4	7	.045	4	6/1	1860	0.57	78	115	145	COIL NR 30.18	1000 2400
Yorkshire/XP	4	7	0.060	4	6/1	1860	0.60	78	121	145	COIL NR 30.18	1000 2400
Chow/XP	2	7	.045	2	6/1	2850	0.69	125	177	195	COIL NR 32.24	500 2400
Labrador/XP	1	19	0.060	1	6/1	3550	0.79	157	225	225	COIL NR 36.24	500 2400
Bloodhound/XP	1/0	7	0.060	1/0	6/1	4380	0.87	198	283	260	COIL NR 32.24	500 1500
Bull/XP	1/0	19	0.060	1/0	6/1	4380	0.87	198	279	260	COIL NR 32.24	500 1500

**ALUMINUM 6201-T81 FULL-SIZE NEUTRAL MESSENGER**

Chihuahua/XP	6	1	.045	30.58	7	1110	0.45	53	65	110	COIL NR 27.18	1000 3600
Vizsla/XP	6	7	.045	30.58	7	1110	0.47	53	67	110	COIL NR 27.18	1000 3300
Harrier/XP	4	1	.045	48.69	7	1760	0.54	84	98	145	COIL NR 30.18	1000 2600
Whippet/XP	4	7	.045	48.69	7	1760	0.57	85	103	145	COIL NR 27.18	1000 2200
Schnauzer/XP	2	7	.045	77.47	7	2800	0.69	135	157	195	COIL NR 32.24	500 2500
Afghan/XP	1/0	7	0.060	123.3	7	4270	0.87	215	252	260	COIL NR 32.24	500 1500
Heeler/XP	1/0	19	0.060	123.3	7	4270	0.87	215	249	260	COIL NR 32.24	500 500

(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.