

APPLICATION

To supply 120 volts aerial service for temporary service at construction sites, outdoor or street lighting. For service at 600 volts or lower at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

PRODUCT FEATURES

- Conductors are concentrically stranded, compressed 1350-H19 aluminum. Insulated with either polyethylene or XLP crosslinked polyethylene. Neutral messengers are concentrically stranded 6201, AAC or ACSR.

STANDARDS

Service drop cable meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR)
- B-399 Concentric-Lay-Stranded, 6201-T81 Aluminum Alloy Conductors
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire
- ANSI/ICEA S-76-474

AAC NEUTRAL MESSENGER

Service Drop Duplex

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 ft. (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Peakingese	6	Solid	45	6	7/w	563	63.5	61.7	85	70
Collie	6	7/w	45	6	7/w	563	66.8	63.1	85	70
Dachshund	4	Solid	45	4	7/w	881	95.5	93.4	110	90
Spaniel	4	7/w	45	4	7/w	881	100.5	95.4	110	90
Doberman	2	7/w	45	2	7/w	1,350	152.7	145.7	150	120
Malamute	1/0	19/w	60	1/0	7/w	1,990	242.6	234.2	205	160

ACSR NEUTRAL MESSENGER

Service Drop Duplex

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 ft. (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Setter	6	Solid	45	6	6/1	1,190	75.0	73.2	85	70
Shepherd	6	7/w	45	6	6/1	1,190	78.3	74.6	85	70
Eskimo	4	Solid	45	4	6/1	1,860	113.7	111.6	110	90
Terrier	4	7/w	45	4	6/1	1,860	118.7	113.6	110	90
Chow	2	7/w	45	2	6/1	2,850	181.7	174.7	150	120
Bull	1/0	19/w	60	1/0	6/1	4,380	288.7	280.3	200	160

— AAAC ALLOY NEUTRAL MESSENGER

Service Drop Duplex

Code Word	Phase Conductors			Bare Neutral			Weight per 1000 ft. (lbs)		Rating (AMPS)	
	Size AWG	Strand	Insulation Thickness (MLS)	Size AWG	Strand	Breaking Strength (lbs)	XLP	Poly	XLP	Poly
Chihuahua	6	Solid	45	6	7/w	1,110	67.6	65.8	85	70
Vizsla	6	7/w	45	6	7/w	1,110	70.9	67.2	85	70
Harrier	4	Solid	45	4	7/w	1,760	102.0	99.9	110	90
Whippet	4	7/w	45	4	7/w	1,760	107.0	101.9	110	90
Schnauzer	2	7/w	45	2	7/w	2,800	163.3	156.2	150	120
Heeler	1/0	19/w	60	1/0	7/w	4,460	259.2	250.8	200	160

* Note: Designated sizes are ACSR 6/1 diameter equivalent resistivity per ASTM-B-399 for 6201. Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperatures of 40°C; emissivity 0.9; 2ft/sec. wind in sun.

** To determine current ampacity by conductor size, please consult The National Electric Code, latest edition.

The data is approximate and subject to normal manufacturing tolerances.

Specifications may be revised without prior notice. Contact Electro Cable to verify current availability and lead times.