

APPLICATION

Used to supply power for three phase systems, usually from a pole mounted transformer to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts or less phase to phase and 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 Quadruplex

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
Clydesdale	4	Solid	45	4	7	881	208	201	100	80
Pinto	4	7/w	45	4	7	881	223	207	100	80
Mustang	2	7/w	45	2	7	1,350	333	312	135	105
Criollo	1/0	19/w	60	1/0	7	1,990	529	504	180	135
Percheron	2/0	19/w	60	2/0	7	2,510	649	620	205	155
Hanovarian	3/0	19/w	60	3/0	19	3,310	799	765	235	180
Oldenburg	4/0	19/w	60	4/0	19	4,020	986	946	270	205
Lippizaner	336.4	19/w	60	336.4	19	6,146	1,546	1,519	330	240

ACSR NEUTRAL MESSENGER

Service Drop Quadruplex

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
Morochuca	6	Solid	45	6	6/1	1,190	152	147	75	60
Chola	6	7/w	45	6	6/1	1,190	162	151	75	60
Morgan	4	Solid	45	4	6/1	1,860	226	220	100	80
Hackney	4	7/w	45	4	6/1	1,860	241	226	100	80
Palomino	2	7/w	45	2	6/1	2,850	362	342	135	105
Costena	1/0	19/w	60	1/0	6/1	4,380	575	550	180	135
Grullo	2/0	19/w	60	2/0	6/1	5,310	707	678	205	155
Suffolk	3/0	19/w	60	3/0	6/1	6,620	872	838	235	180
Appaloosa	4/0	19/w	60	4/0	6/1	8,350	1,079	1,039	270	205
Bronco	336.4	19/w	60	336.4	18/1	8,580	1,613	1,568	330	240
Gelding	336.4	19/w	60	4/0	6/1	8,350	1,548	1,494	330	240

AAAC ALLOY NEUTRAL MESSENGER

Service Drop Quadruplex

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
Bay	6	Solid	45	6	7	1,110	145	140	75	60
French Coach	6	7/w	45	6	7	1,110	155	144	75	60
German Coach	4	Solid	45	4	7	1,760	214	208	100	80
Arabian	4	7/w	45	4	7	1,760	229	214	100	80
Belgian	2	7/w	45	2	7	2,800	344	323	135	105
Shetland	1/0	19/w	60	1/0	7	4,460	546	521	180	135
Thoroughbred	2/0	19/w	60	2/0	7	5,390	670	641	205	155
Trotter	3/0	19/w	60	3/0	7	6,790	825	791	235	180
Walking	4/0	19/w	60	4/0	7	8,560	1,019	979	270	205

* 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.