

APPLICATION

To supply power from the utility's lines to the consumer's weatherhead. For service at 600 volts or less (phase to phase) at a conductor temperature of 75°C maximum for polyethylene insulation or 90°C maximum 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

AAAC-ALLOY NEUTRAL MESSENGER

Service Drop Triplex

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
Minex	6	Solid	45	6	7	1,110	106.6	102.9	85	70
Hippa	6	7/w	45	6	7	1,110	107.0	105.7	85	70
Prawn	4	Solid	45	4	7	1,760	158.4	154.1	110	90
Barnacles	4	7/w	45	4	7	1,760	160.0	157.0	110	90
Shrimp	2	7/w	45	2	7	2,800	243.0	238.0	150	115
Gammarus	1/0	7/w	60	1/0	7	4,460	390.0	384.0	200	155
Leda	1/0	19/w	60	1/0	7	4,460	384.0	378.0	200	155
Dungenese	2/0	7/w	60	2/0	7	5,390	481.0	474.0	230	180
Cyclops	2/0	19/w	60	2/0	7	5,390	473.0	467.0	230	180
Flustra	3/0	19/w	60	3/0	7	6,790	596.0	589.1	260	205
Lepas	4/0	19/w	60	4/0	7	8,560	725.0	716.0	300	235

— AAAC ALLOY REDUCED NEUTRAL MESSENGER

Service Drop Triplex

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
Artemia	4	Solid	45	6	7	1,110	134.0	132.0	110	90
Crab	4	7/w	45	6	7	1,110	144.0	141.2	110	90
Solaster	2	7/w	45	4	7	1,760	216.0	212.6	150	115
Sandcrab	1/0	7/w	60	2	7	2,800	348.0	341.0	200	155
Echinus	1/0	19/w	60	2	7	2,800	342.0	336.0	200	155
Crayfish	2/0	7/w	60	1	7	3,530	452.6	422.5	230	180
Sipho	2/0	19/w	60	1	7	3,530	441.0	422.5	230	180
Fulgar	3/0	19/w	60	1/0	7	4,460	525.0	518.0	260	205
Arca	4/0	19/w	60	2/0	7	5,360	640.0	632.0	300	235

— AAC NEUTRAL MESSENGER

Service Drop Triplex

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
Haiotis	6	Solid	45	6	7	563	102.5	98.8	85	70
Patella	6	7/w	45	6	7	563	104.0	101.6	85	70
Fusus	4	Solid	45	4	7	881	151.9	147.6	110	90
Oyster	4	7/w	45	4	7	881	154.0	151.7	110	90
Clam	2	7/w	45	2	7	1,350	232.0	228.0	150	115
Murex	1/0	7/w	60	1/0	7	1,990	374.0	367.0	200	155
Purpura	1/0	19/w	60	1/0	7	1,990	368.0	362.0	200	155
Nassa	2/0	7/w	60	2/0	7	2,510	461.0	453.0	230	180
Melita	3/0	19/w	60	3/0	19	3,310	585.2	562.9	260	205
Portunus	4/0	19/w	60	4/0	19	4,020	693.0	684.0	300	235
Nannynose	336.4	19/w	80	336.4	19	6,146	1,111.0	1,096.0	380	290

— FULL SIZE ACSR MESSENGER

Service Drop Triplex

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
Paludina	6	Solid	45	6	6/1	1,190	114	113	85	70
Voluta	6	7/w	45	6	6/1	1,190	115	112	85	70
Whelk	4	Solid	45	4	6/1	1,860	163	161	110	90
Periwinkle	4	7/w	45	4	6/1	1,860	172	169	110	90
Conch	2	7/w	45	2	6/1	2,850	262	257	150	115
Neritina	1/0	7/w	60	1/0	6/1	4,380	420	414	200	115
Cenia	1/0	19/w	60	1/0	6/1	4,380	414	408	200	115
Runcina	2/0	7/w	60	2/0	6/1	5,310	519	512	230	180
Triton	2/0	19/w	60	2/0	6/1	5,310	511	505	230	180
Cherrystone	3/0	7/w	60	3/0	6/1	6,620	656	643	260	205
Mursia	3/0	19/w	60	3/0	6/1	6,620	633	626	260	205
Razor	4/0	7/w	60	4/0	6/1	8,350	814	799	300	235
Zuzara	4/0	19/w	60	4/0	6/1	8,350	785	777	300	235
Limpet	336.4	19/w	80	336.4	18/1	8,680	1,160	1,147	300	290

— ACSR REDUCED SIZE MESSENGER

Service Drop Triplex

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
Scallop	4	Solid	45	6	6/1	1,190	142	139	110	90
Strombus	4	7/w	45	6	6/1	1,190	151	148	110	90
Cockle	2	7/w	45	4	6/1	1,860	228	224	150	115
Janthina	1/0	7/w	60	2	6/1	2,850	367	360	200	155
Ranella	1/0	19/w	60	2	6/1	2,850	361	356	200	155

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
Cavolinia	2/0	7/w	60	1	6/1	3,550	452	444	230	180
Clio	2/0	19/w	60	1	6/1	3,550	444	437	230	180
Sanddollar	3/0	7/w	60	1/0	6/1	4,380	570	557	260	205
Aega	3/0	19/w	60	1/0	6/1	4,380	565	552	260	205
Cutlefish	4/0	7/w	60	2/0	6/1	5,310	706	691	300	235
Cerapus	4/0	19/w	60	2/0	6/1	5,310	678	670	300	235
Cowry	336.4	19/w	80	4/0	6/1	8,350	1,135	1,093	380	290

* 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.