

Aluminum Conductors. Cross-linked Polyethylene Insulation. Bare Neutral Messengers



APPLICATIONS

DUPLEX: To supply 120 volt aerial service for temporary service at construction sites, outdoor or street lighting. For service at 600 volts or lower at a conductor temperature of 75°C maximum.

TRIPLEX: To supply power from the utility lines to the consumer weather head. 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 cross-linked insulation.

QUADRUPLEX: Used to supply 3 phase power. 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 cross-linked polyethylene (XLPE) insulated conductors.

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

Service Drop cable meets or exceeds all applicable requirements of ICEA S-76-474.

CONSTRUCTION

- | | |
|------------|--|
| Conductor | • Conductors are concentrically stranded, compressed 1350-H19 aluminum |
| | • Neutral messengers are concentrically stranded 6201, AAC, or ACSR. |
| Insulation | • Insulated with either polyethylene or cross-linked polyethylene(XLPE). |

FEATURES:

Duplex, triplex, quadruplex overhead service drop cable has two black XLPE insulated aluminum conductors cabled around a bare stranded alloy supporting neutral with steel support center wire. Superior weather-, abrasion-, crush-, and sunlight-resistant XLPE insulation rated 90°C operation wet or dry. Manufactured and tested according to ANSI/ICEA S-76-474: Standard for Neutral Supported Power Cable Assemblies with Weather-Resistant Extruded Insulations Rated 600 Volts. Insulated conductors are surface printed for identification.

TECHNICAL PARAMETER LIST

Code Word	Phase Conductors			Bare Neutral			Weight Per 1000ft (Lbs)		Rating (Amps)	
	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Breaking Strength (Lbs)	XLPE	Poly	XLPE	Poly
DUPLEX										
AAC										
Pekingese	6	Solid	45	6	7/W	563	63.5	61.7	85	70

Service Drop

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	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Breaking Strength (Lbs)	XLPE	Poly	XLPE	Poly
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	200	60
Pekingese	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
ACSR NEUTRAL MESSENGER										
Setter	6	Solid	45	6	6/1	1,190	75	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	115
Bull	1/0	19/W	60	1/0	6/1	4,380	288.7	280.3	200	155
6201 ALLOY NEUTRAL MESSENGER										
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	99.9	110	90
Whippet	4	7/W	45	4	7/W	1,760	107	101.9	110	90
Schnauzer	2	7/W	45	2	7/W	2,800	163.3	156.2	150	115
Heeler	1/0	19/W	60	1/0	7/W	4,460	259.2	250.8	200	155

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TRIPLEX										
6201 ALLOY NEUTRAL MESSENGER										
Minex	6	Solid	45	6	7	1,110	106.6	102.9	85	70
Hippa	6	7	45	6	7	1,110	107	105.7	85	70
Prawn	4	Solid	45	4	7	1,760	158.4	154.1	110	90
Barnacles	4	7	45	4	7	1,760	160	157	110	90
Shrimp	2	7	45	2	7	2,800	243	238	150	115
Gammarus	1/0	7	60	1/0	7	4,460	390	384	200	155
Leda	1/0	19	60	1/0	7	4,460	384	378	200	155
Dungeness	2/0	7	60	2/0	7	5,390	481	474	230	180
Cyclops	2/0	19	60	2/0	7	5,390	473	467	230	180



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	Size AWG	Strand	Insulation Thickness (mils)	Size AWG	Strand	Breaking Strength (Lbs)	XLPE	Poly	XLPE	Poly
Flustra	3/0	19	60	3/0	7	6,790	596	589.1	260	205
Lepas	4/0	19	60	4/0	7	8,560	725	716	300	235
6201 ALLOY REDUCED NEUTRAL MESSENGER										
Artemia	4	Solid	45	6	7	1,110	134	132	110	90
Crab	4	7	45	6	7	1,110	144	141.2	110	90
Solaster	2	7	45	4	7	1,760	216	212.6	150	115
Sandcrab	1/0	7	60	2	7	2,800	348	341	200	155
Echinus	1/0	19	60	2	7	2,800	342	336	200	155
Crayfish	2/0	7	60	1	7	3,530	452.6	422.5	230	180
Sipho	2/0	19	60	1	7	3,530	441	422.5	230	180
Fulgar	3/0	19	60	1/0	7	4,460	525	518	260	205
Arca	4/0	19	60	2/0	7	5,390	640	632	300	235
AAC NEUTRAL MESSENGER										
Haiotis	6	Solid	45	6	7	563	102.5	98.8	85	70
Patella	6	7/w	45	6	7	563	104	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	151.7	110	90
Clam	2	7/w	45	2	7	1,350	232	228	150	115
Murex	1/0	7/w	60	1/0	7	1,990	374	367	200	155
Purpura	1/0	19/w	60	1/0	7	1,990	368	362	200	155
Nassa	2/0	7/w	60	2/0	7	2,510	461	453	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	684	300	235
Nannynose	336	19/w	80	336	19	6,146	1111	1096	380	290
FULL SIZE ACSR MESSENGER										
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	155
Cenia	1/0	19/w	60	1/0	6/1	4,380	414	408	200	155
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



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Limpet	336	19/w	80	336	18/1	8,680	1161	1147	380	290
ACSR REDUCED SIZE MESSENGER										
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
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
Cuttlefish	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	19/w	80	4/0	6/1	8,350	1135	1093	380	290

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QUADRUPLEX										
AAC - NEUTRAL MESSENGER										
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
Hanoverian	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	80	336.4	19	6,146	1546	1,519	330	240
ACSR - NEUTRAL MESSENGER										
Morchuca	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



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Appaloosa	4/0	19/W	60	4/0	6/1	8,350	1079	1,039	270	205
Bronco	336.4	19/W	80	336.4	18/1	8,580	1613	1,568	330	240
Gelding	336.4	19/W	80	4/0	6/1	8,350	1548	1,494	330	240
6201 - ALLOY NEUTRAL MESSENGER										
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	1019	979	270	205

