

Triples Overhead Aluminum Conductor (Service Drop)

APPLICATION: To supply power from the utility lines to the consumer weather head. For service at 600 volts or lower (phase to phase) at a conductor temperature of 90°C maximum for cross linked insulation or 75°C maximum for polyethylene insulation.

CONSTRUCTION: Concentrically stranded, compressed 1350-H19 aluminum conductor, cross-linked polyethylene (XLP) or polyethylene (PE) insulation, concentrically stranded AAC, ACSR or 6201 alloy bare neutral messenger.

SPECIFICATIONS: Triples service drop cable meets or exceeds the following ASTM specifications:

- B-230 Aluminum 1350–H19 Wire for Electrical Purposes
- B-231 Concentric-Lay-Stranded Aluminum 1350 Conductors
- B-232 Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- B-399 Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors
- Service Drop cable meets or exceeds all applicable requirements of ICEA S-76-474

OPTIONS: Ridged Phase ID

Code Word	Phase Conductor			Bare Neutral Messenger			Completed Cable			Ampacity#	
	Size	No. of Strands	Insulation Thickness	Size	No. of Strands	Breaking Strength	Diameter	Weight		XLP 90°C	PE 75°C
	AWG/kcmil		Inches	AWG/kcmil		lbs	Inches	lbs/kft	lbs/kft	amps	amps
6201 ALLOY NEUTRAL MESSENGER#											
Minex	6	Solid	0.045	6	7	1,110	0.53	107	103	85	70
Hippa	6	7	0.045	6	7	1,110	0.57	107	106	85	70
Prawn	4	Solid	0.045	4	7	1,760	0.62	158	154	115	90
Barnacles	4	7	0.045	4	7	1,760	0.67	160	157	115	90
Shrimp	2	7	0.045	2	7	2,800	0.80	243	238	150	120
Gammarus	1/0	7	0.060	1/0	7	4,460	1.02	390	384	205	160
Leda	1/0	19	0.060	1/0	7	4,460	1.03	384	378	205	160
Dungeness	2/0	7	0.060	2/0	7	5,390	1.11	481	474	235	185
Cyclops	2/0	19	0.060	2/0	7	5,390	1.12	473	467	235	185
Flustra	3/0	19	0.060	3/0	7	6,790	1.23	596	589	275	215
Lepas	4/0	19	0.060	4/0	7	8,560	1.35	725	716	315	245
6201 ALLOY REDUCED NEUTRAL MESSENGER#											
Artemia	4	Solid	0.045	6	7	1,110	0.62	134	132	115	90
Crab	4	7	0.045	6	7	1,110	0.67	144	141	115	90
Solaster	2	7	0.045	4	7	1,760	0.80	216	212	150	120
Sandcrab	1/0	7	0.060	2	7	2,800	1.02	348	341	205	160
Echinus	1/0	19	0.060	2	7	2,800	1.03	342	336	205	160
Crayfish	2/0	7	0.060	1	7	3,530	1.11	453	423	235	185
Sipho	2/0	19	0.060	1	7	3,530	1.12	441	423	235	185
Fulgar	3/0	19	0.060	1/0	7	4,460	1.23	525	518	275	215
Arca	4/0	19	0.060	2/0	7	5,390	1.35	640	632	315	245

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			Inches	AWG/kcmil		lbs	Inches	lbs/kft	lbs/kft		
AAC NEUTRAL MESSENGER											
Haiotis	6	Solid	0.045	6	7	563	0.53	103	99	85	70
Patella	6	7	0.045	6	7	563	0.57	104	102	85	70
Fusus	4	Solid	0.045	4	7	881	0.62	152	148	115	90
Oyster	4	7	0.045	4	7	881	0.67	154	152	115	90
Mussel	2	7	0.045	4	7	881	0.80	208	204	150	120
Clam	2	7	0.045	2	7	1,350	0.80	232	228	150	120
Snail	1/0	7	0.060	2	7	1,350	1.02	336	329	205	160
Murex	1/0	7	0.060	1/0	7	1,990	1.02	374	367	205	160
Purpura	1/0	19	0.060	1/0	7	1,990	1.03	368	362	205	160
Nassa	2/0	7	0.060	2/0	7	2,510	1.11	461	453	235	185
Melita	3/0	19	0.060	3/0	19	3,310	1.23	585	563	275	215
Portunus	4/0	19	0.060	4/0	19	4,020	1.35	693	684	315	245
Nannynose	336.4	19	0.080	336.4	19	6,146	1.72	1,110	1,096	420	325

All values are nominal and subject to correction

#Designated 6201 neutral sizes are ACSR 6/1 diameter equivalent, phase conductor resistivity equivalent per ASTM B399

##Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9, 2ft/sec. wind in sun.

Code Word	Phase Conductor			Bare Neutral Messenger			Completed Cable			Ampacity#	
	Size	No. of Strands	Insulation Thickness	Size	No. of Strands	Breaking Strength	Diameter	Weight		XLP 90°C	PE 75°C
								XLP	Poly		
	AWG/kcmil		inches	AWG/kcmil		lbs	inches	lbs/kft	lbs/kft	amps	amps
ACSR FULL SIZE NEUTRAL MESSENGER											
Paludina	6	Solid	0.045	6	6/1	1,190	0.53	114	113	85	70
Voluta	6	7	0.045	6	6/1	1,190	0.57	115	112	85	70
Whelk	4	Solid	0.045	4	6/1	1,860	0.62	163	161	115	90
Periwinkle	4	7	0.045	4	6/1	1,860	0.67	172	169	115	90
Conch	2	7	0.045	2	6/1	2,850	0.80	262	257	150	120
Neritina	1/0	7	0.060	1/0	6/1	4,380	1.02	420	414	205	160
Cenia	1/0	19	0.060	1/0	6/1	4,380	1.03	414	408	205	160
Runcina	2/0	7	0.060	2/0	6/1	5,310	1.11	519	512	235	185
Triton	2/0	19	0.060	2/0	6/1	5,310	1.12	511	505	235	185

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	AWG/kcmil		Inches	AWG/kcmil		lbs	Inches	XLP	Poly	amps	amps
Cherrystone	3/0	7	0.060	3/0	6/1	6,620	1.22	656	643	275	215
Mursia	3/0	19	0.060	3/0	6/1	6,620	1.23	633	626	275	215
Razor	4/0	7	0.060	4/0	6/1	8,350	1.34	814	799	315	245
Zuzara	4/0	19	0.060	4/0	6/1	8,350	1.35	785	777	315	245
Limpet	336.4	19	0.080	336.4	18/1	8,680	1.72	1,161	1,147	420	325
ACSR REDUCED SIZE NEUTRAL MESSENGER											
Scallop	4	Solid	0.045	6	6/1	1,190	0.62	142	139	115	90
Strombus	4	7	0.045	6	6/1	1,190	0.67	151	148	115	90
Cockle	2	7	0.045	4	6/1	1,860	0.80	228	224	150	120
Janthina	1/0	7	0.060	2	6/1	2,850	1.02	367	360	205	160
Ranella	1/0	19	0.060	2	6/1	2,850	1.03	361	356	205	160
Cavolinia	2/0	7	0.060	1	6/1	3,550	1.11	452	444	235	185
Clio	2/0	19	0.060	1	6/1	3,550	1.12	444	437	235	185
Sanddollar	3/0	7	0.060	1/0	6/1	4,380	1.22	570	557	275	215
Aega	3/0	19	0.060	1/0	6/1	4,380	1.23	565	552	275	215
Cuttlefish	4/0	7	0.060	2/0	6/1	5,310	1.33	706	691	315	245
Cerapus	4/0	19	0.060	2/0	6/1	5,310	1.35	678	670	315	245
Cowry	336.4	19	0.080	4/0	6/1	8,350	1.72	1,135	1,093	420	325

All values are nominal and subject to correction

##Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9, 2ft/sec. wind in sun.