

Duplex Overhead Aluminum Conductor (Service Drop)

APPLICATION: To supply power 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 for polyethylene insulation or 90°C maximum for cross linked insulation.

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

SPECIFICATIONS: Duplex 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 of Cable	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
AAC NEUTRAL MESSENGER											
Pekingese	6	Solid	0.045	6	7	563	0.44	64	62	85	70
Collie	6	7	0.045	6	7	563	0.46	69	63	85	70
Dachshund	4	Solid	0.045	4	7	881	0.53	96	93	115	90
Spaniel	4	7	0.045	4	7	881	0.56	101	95	115	90
Doberman	2	7	0.045	2	7	1,350	0.68	153	146	150	120
Malamute	1/0	19	0.060	1/0	7	1,990	0.87	243	234	205	160
ACSR NEUTRAL MESSENGER											
Setter	6	Solid	0.045	6	6/1	1,190	0.46	75	73	85	70
Shepherd	6	7	0.045	6	6/1	1,190	0.48	78	75	85	70
Eskimo	4	Solid	0.045	4	6/1	1,860	0.55	114	112	115	90
Terrier	4	7	0.045	4	6/1	1,860	0.58	119	114	115	90
Chow	2	7	0.045	2	6/1	2,850	0.70	182	175	150	120
Bull	1/0	19	0.060	1/0	6/1	4,380	0.90	289	280	205	160
6201 ALLOY NEUTRAL MESSENGER##											
Chihuahua	6	Solid	0.045	6	7	1,110	0.46	68	66	85	70
Vizsla	6	7	0.045	6	7	1,110	0.48	71	67	85	70
Harrier	4	Solid	0.045	4	7	1,760	0.55	102	100	115	90
Whippet	4	7	0.045	4	7	1,760	0.58	107	102	115	90
Schnauzer	2	7	0.045	2	7	2,800	0.70	163	156	150	120
Heeler	1/0	19	0.060	1/0	7	4,460	0.90	1259	251	205	160

All values are nominal and subject to correction

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

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