ALUMINUM SERVICE DROP

Quadruplex Service Drop Aluminum Conductor

APPLICATION:

Quadruplex Service Drop Aluminum Conductor cable is designed for use 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 (XLP) insulated conductors.

CONDUCTORS:

- Concentric strand or compressed 1350-H19 series aluminum conductor

MESSENGER:

- Concentric strand AAC, ACSR, or AAAC 6201 alloy bare neutral messenger

INSULATION:

- Black cross linked polyethylene (XLP) insulation. Polyethylene (PE) insulation is available upon request.

STANDARDS:

- ASTM B-230 Aluminum 1350–H19 Wire for Electrical Purposes
- ASTM B-231 Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B-232 Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
- ASTM B-399 Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors
- ICEA S-76-474 Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation Rated 600 Volts
- RUS Accepted

Code Word	Phase Conductors			Bare Neutral Messenger			Completed Cable			Ampacity**	
	Size	Strand	Insulation Thickness	Size	Strand*	Breaking Strength	Diameter	Weight		XLP 90˚C	Poly 75˚C
								XLP	Poly		
	AWG/kcmil		inches	AWG/kcmil		lbs	inches	lbs/kft	lbs/kft	amps	amps
AAC NEUTRAL MESSENGER											
-	8	Solid	0.045	8	7	310	0.49	94	93	55	45
Clydesdale	4	Solid	0.045	4	7	881	0.68	208	201	100	80
Pinto	4	7/w	0.045	4	7	881	0.73	223	207	100	80
Mustang	2	7/w	0.045	2	7	1,350	0.88	333	312	135	105
Criollo	1/0	19/w	0.060	1/0	7	1,990	1.12	529	504	180	140
Percheron	2/0	19/w	0.060	2/0	7	2,510	1.24	649	620	205	160
Hanoverian	3/0	19/w	0.060	3/0	19	3,310	1.36	799	765	235	185
Oldenburg	4/0	19/w	0.060	4/0	19	4,020	1.50	986	946	275	210
Lippizaner	336.4	19/w	0.080	336.4	19	6,146	1.91	1,546	1,519	370	280

All values are nominal and subject to correction
**Designated sizes are ACSR 6/1, diameter, equivalent resistivity per ASTM B399 for 6201.*
***Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9; 2ft/sec. wind in sun.*

#1090-03

1-800-945-5542
www.PriorityWire.com

PRIORITY WIRE & CABLE, INC.

Quadruplex Service Drop Aluminum Conductor

Code Word	Phase Conductors			Bare Neutral Messenger			Completed Cable			Ampacity**	
	Size	Strand	Insulation Thickness	Size	Strand*	Breaking Strength	Diameter	Weight		XLP 90˚C	Poly 75˚C
								XLP	Poly		
	AWG/kcmil		inches	AWG/kcmil		lbs	inches	lbs/kft	lbs/kft	amps	amps
ACSR NEUTRAL MESSENGER											
Morochuca	6	Solid	0.045	6	6/1	1,190	0.58	152	147	75	60
Chola	6	7/W	0.045	6	6/1	1,190	0.62	162	151	75	60
Morgan	4	Solid	0.045	4	6/1	1,860	0.69	226	220	100	80
Hackney	4	7/W	0.045	4	6/1	1,860	0.74	241	226	100	80
Palomino	2	7/W	0.045	2	6/1	2,850	0.89	362	342	135	105
Costena	1/0	19/W	0.060	1/0	6/1	4,380	1.14	575	550	180	140
Grullo	2/0	19/W	0.060	2/0	6/1	5,310	1.26	707	678	205	160
Suffolk	3/0	19/W	0.060	3/0	6/1	6,620	1.38	872	838	135	185
Appaloosa	4/0	19/W	0.060	4/0	6/1	8,350	1.52	1,079	1,039	275	210
Bronco	336.4	19/W	0.080	336.4	18/1	8,580	1.92	1,613	1,568	370	280
Gelding	336.4	19/W	0.080	4/0	6/1	8,350	1.85	1,548	1,494	370	280
Hurricane	500	37/w	0.080	336.4	26/7	14,100	2.21	2,196	2,186	480	360
6201 ALLOY NEUTRAL MESSENGER											
Bay	6	Solid	0.045	6	7	1,110	0.59	145	140	75	60
French-Coach	6	7/w	0.045	6	7	1,110	0.63	155	144	75	60
German-Coach	4	Solid	0.045	4	7	1,760	0.69	214	208	100	80
Arabian	4	7/w	0.045	4	7	1,760	0.74	229	214	100	80
Belgian	2	7/w	0.045	2	7	2,800	0.89	344	323	135	105
Shetland	1/0	19/w	0.060	1/0	7	4,460	1.14	546	521	180	140
Thoroughbred	2/0	19/w	0.060	2/0	7	5,390	1.26	670	641	205	160
Trotter	3/0	19/w	0.060	3/0	7	6,790	1.38	825	791	135	185
Walking	4/0	19/w	0.060	4/0	7	8,560	1.52	1,019	979	275	210

All values are nominal and subject to correction
**Designated sizes are ACSR 6/1, diameter, equivalent resistivity per ASTM B399 for 6201.*
***Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C, emissivity 0.9; 2ft/sec. wind in sun.*

1-800-945-5542
www.PriorityWire.com

PRIORITY WIRE & CABLE, INC.