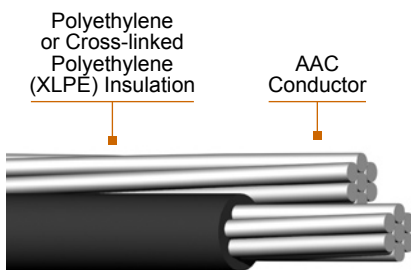


Duplex Service Drop

Aluminum Duplex Service Drop Cable



Detail Description or Construction Conductor

Concentric strand or compressed 1350-H19 conductor. Concentric strand AAC, ACSR or AAAC alloy neutral messenger

Insulation

Polyethylene or Cross-Linked Polyethylene insulation (XLPE)

Application

To supply 120 volt aerial service for temporary service at construction sites, as a Service Drop (power pole to service entrance), as a secondary cable (pole to pole) or street lighting. For service at 600 volts or lower at a maximum conductor temperature of 75°C for Polyethylene insulated cables or 90°C for Cross-Linked (XLPE) insulation.

Standards / Testing 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-498 Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR).
- Duplex Service Drop cable meets or exceeds all applicable requirements of ANSI/ICEA S-76-474.

Marking

PHELPS DODGE - CONDUCTOR TYPE AND SIZE – 600 V - INSULATION TYPE - YEAR OF MANUFACTURE.

Installation

As a Service Drop (power pole to service entrance), as a secondary cable (pole to pole) or street lighting.



Duplex Service Drop

Aluminum Duplex Service Drop Cable

Code Word	Phase Conductors				Bare Natural		Nominal Weight			Ampacity	Standard Package	
	Size & Number of wires	Insulation Thickness mils	Nominal Diameter		Size & Number of Wires	Rated Strength lbs	lbs / 1000'				Coils ft	Reels ft
			Bare	OD			XLPE	Aluminum	Total			
										A		
AAC												
Pekingese	6-Solid	45	162	252	6-7	563	14	49	63	78	1000	3600
Collie	6-7	45	183	273	6-7	563	16	49	65	78	1000	3300
Cocker	6-7	60	183	303	6-7	563	22	49	71	78	1000	3700
Dachshund	4-Solid	45	204	294	4-7	881	18	77	95	103	1000	2600
Spaniel	4-7	45	231	321	4-7	881	20	78	98	103	1000	2200
Cairn	4-7	60	231	351	4-7	881	27	78	105	103	1000	2200
Doberman	2-7	45	292	382	2-7	1,350	26	124	150	136	500	2500
Airedale	1-19	60	332	452	1-7	---	38	157	195	158	500	2000
Basset	1/0-7	60	368	488	1/0-7	1,990	43	198	241	182	500	1500
Malemure	1/0-19	60	372	492	1/0-7	1,990	43	198	241	182	500	1500
AAAC												
Chihuahua	6-Solid	45	162	252	6-7	1,100	14	49	63	78	1000	3600
Vizsla	6-7	45	183	273	6-7	1,100	16	49	65	78	1000	3300
Harrier	4-Solid	45	204	294	4-7	1,760	18	78	96	103	1000	2600
Whippet	4-7	45	231	321	4-7	1,760	20	78	98	103	1000	2400
Schnauzer	2-7	45	292	382	2-7	2,800	26	124	150	136	500	2400
Afghan	1/0-7	60	368	488	1/0-7	4,460	43	199	242	182	500	1500
heeler	1/0-19	60	372	492	1/0-7 ^a	4,460	43	199	242	182	500	1500



Duplex Service Drop

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Code Word	Phase Conductors				Bare Natural		Nominal Weight			Ampacity	Standard Package	
	Size & Number of wires	Insulation Thickness mils	Nominal Diameter		Size & Number of Wires	Rated Strength lbs	lbs / 1000'				Coils ft	Reels ft
			Bare	OD			XLPE	Aluminum	Total			
										A		
ACSR												
Setter	6-Solid	45	162	252	6-6/1	1,190	14	49	63	78	1000	3300
Shepherd	6-7	45	183	273	6-6/1	1,190	16	49	65	78	1000	3300
Retriever	6-7	60	183	303	6-6/1	1,190	22	49	71	78	1000	3300
Eskimo	4-Solid	45	204	294	4-6/1	1,860	18	77	95	103	1000	2400
Terrier	4-7	45	231	321	4-6/1	1,860	20	78	98	103	1000	2400
Yorkshire	4-7	60	231	351	4-6/1	1,860	27	78	105	103	1000	2400
Chow	2-7	45	292	382	2-6/1	2,850	26	124	150	136	500	2400
Labrador	1-19	60	332	452	1-6/1	3,550	38	157	195	158	500	2000
Bloodhound	1/0-7	60	368	488	1/0-6/1	4,380	43	198	241	182	500	1500
Bull	1/0-19	60	372	492	1/0-6/1	4,380	43	198	241	182	500	1500

* 40°C ambient, 75°C conductor temperature; sun and wind.
The above data are approximate and subject to normal manufacturing tolerances.



Duplex Service Drop

Aluminum Duplex Service Drop Cable

Code Word	Phase Conductors				Bare Natural		Nominal Weigth			Ampacity	Standard Package	
	Size & Number of wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	kg / km				Coils	Reels
			Bare	OD			XLPE	Aluminum	Total			
	mm	mm	mm	kg	A	m	m					
AAC												
Pekingese	6-Solid	1.14	4.1	6.4	6-7	255	20.8	72.9	94	78	305	1000
Collie	6-7	1.14	4.6	6.9	6-7	255	23.8	72.9	97	78	305	1000
Cocker	6-7	1.52	4.6	7.7	6-7	255	32.7	72.9	106	78	305	1000
Dachshund	4-Solid	1.14	5.2	7.5	6-7	400	26.8	114.6	141	103	305	500
Spaniel	4-7	1.14	5.9	8.2	6-7	400	29.8	116.1	146	103	305	500
Cairn	4-7	1.52	5.9	8.9	6-7	400	40.2	116.1	156	103	305	500
Doberman	2-7	1.14	7.4	9.7	2-7	612	38.7	184.5	223	136	152	500
Airedale	1-19	1.52	8.4	11.5	1-7	---	56.5	233.6	290	158	152	500
Basset	1/0-7	1.52	9.3	12.4	1/0-7	903	64.0	294.7	359	182	152	457
Malemure	1/0-19	1.52	9.4	12.5	1/0-7	903	64.0	294.7	359	182	152	457
AAAC												
Chihuahua	6-Solid	1.14	4.1	6.4	6-7	499	20.8	72.9	94	78	305	1000
Vizsla	6-7	1.14	4.6	6.9	6-7	499	23.8	72.9	97	78	305	1000
Harrier	4-Solid	1.14	5.2	7.5	4-7	798	26.8	116.1	143	103	305	500
Whippet	4-7	1.14	5.9	8.2	4-7	798	29.8	116.1	146	103	305	500
Schnauzer	2-7	1.14	7.4	9.7	2-7	1,270	38.7	184.5	223	136	152	500
Afghan	1/0-7	1.52	9.3	12.4	1/0-7	2,023	64.0	296.1	360	182	152	457
heeler	1/0-19	1.52	9.4	12.5	1/0-7	2,023	64.0	296.1	360	182	152	457



Duplex Service Drop

Aluminum Duplex Service Drop Cable

Code Word	Phase Conductors				Bare Natural		Nominal Weigth			Ampacity	Standard Package	
	Size & Number of wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	kg / km				Coils	Reels
			Bare	OD			XLPE	Aluminum	Total			
	mm	mm	mm	mm	kg	A	m	m				
ACSR												
Setter	6-Solid	1.14	4.1	6.4	6/6/01	540	20.8	72.9	94	78	305	1000
Shepherd	6-7	1.14	4.6	6.9	6/6/01	540	23.8	72.9	97	78	305	1000
Retriever	6-7	1.52	4.6	7.7	6/6/01	540	32.7	72.9	106	78	305	1000
Eskimo	4-Solid	1.14	5.2	7.5	4/6/01	844	26.8	114.6	141	103	305	500
Terrier	4-7	1.14	5.9	8.2	4/6/01	844	29.8	116.1	146	103	305	500
Yorkshire	4-7	1.52	5.9	8.9	4/6/01	844	40.2	116.1	156	103	305	500
Chow	2-7	1.14	7.4	9.7	2/6/01	1,293	38.7	184.5	223	136	152	500
Labrador	1-19	1.52	8.4	11.5	1/6/01	1,610	56.5	233.6	290	158	152	500
Bloodhound	1/0-7	1.52	9.3	12.4	1/0-6/1	1,987	64.0	294.7	359	182	152	457
Bull	1/0-19	1.52	9.4	12.5	1/0-6/1	1,987	64.0	294.7	359	182	152	457

* 40°C ambient, 75°C conductor temperature; sun and wind.
The above data are approximate and subject to normal manufacturing tolerances.