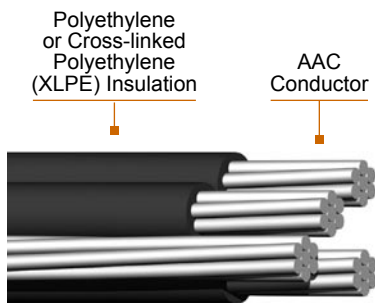


## Quadruplex Service Drop

Aluminum Quadruplex Service Drop Cable



### Detail Description or Construction

#### Conductor

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

#### Insulation

Polyethylene or Cross-Linked Polyethylene insulation (XLPE) (one insulated conductor ridged for phase identification)

### Application

For aerial three phase power supply from the utility's lines to the consumer's servicehead.

### 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).
- Quadruplex 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

For service at 600 volts or less (phase to phase) at a maximum conductor temperature of 75°C for Polyethylene insulation or 90°C for Cross-Linked (XLPE) insulation.



# Quadruplex Service Drop

## Aluminum Quadruplex Service Drop Cable

Code Word	Phase Conductors				Bare Neutral		Nominal Weight			Ampacity*	Standard Package	
	Size & Number of wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	lbs / 1000'				Coils	Reels
			Bare	OD			XLPE	Aluminum	Total			
	mils	mils	mils		lbs		Amps	ft	ft			
AAC												
Quarter	6-Solid	45	162	252	6-7	563	42	100	142	78	500	2500
Clydesdale	4-Solid	45	204	294	4-7	881	53	159	212	103	500	1700
Pinto	4-7	45	232	322	4-7	881	60	159	219	136	500	1700
Mustang	2-7	45	292	382	2-7	1350	77	253	330	158	--	1800
Shire	1-19	60	332	452	1-19	1640	115	319	434	158	--	1500
Libyan	1/0-7	60	368	488	1/0-7	1990	129	402	531	182	--	1200
Criollo	1/0-19	60	373	493	1/0-19	1990	130	402	533	182	--	1200
Orloff	2/0-7	60	414	534	2/0-7	2510	146	507	654	210	--	1500
Percheron	2/0-19	60	419	539	2/0-19	2510	148	507	656	210	--	1500
Mongolian	3/0-7	60	464	584	3/0-7	3040	167	639	806	242	--	1300
Hanoverian	3/0-19	60	470	590	3/0-19	3040	169	639	809	242	--	1300
Singlefoot	4/0-7	60	522	642	4/0-7	3830	192	806	998	279	--	1100
oldenburg	4/0-19	60	528	648	4/0-19	3830	194	806	1001	279	--	1100

\* 40°C ambient, 90°C conductor temperature; sun and wind.  
The above data are approximate and subject to normal manufacturing tolerances.



# Quadruplex Service Drop

## Aluminum Quadruplex Service Drop Cable

Code Word	Phase Conductors				Bare Neutral		Nominal Weight			Ampacity*	Standard Package	
	Size & Number of wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	lbs / 1000'				Coils	Reels
			Bare	OD			XLPE	Aluminum	Total			
	mils	mils	mils		lbs		Amps	ft	ft			
AAAC												
Bay	6-Solid	45	162	252	6-7	1110	42	104	146	78	500	2500
French-conch	6-7	45	184	274	6-7	1110	48	104	152	78	500	2500
German-conch	4-Solid	45	204	294	4-7	1760	53	166	218	103	500	1700
Arabian	4-7	45	232	322	4-7	1730	60	166	226	103	500	1700
Belgian	2-7	45	292	382	2-7	2800	77	263	340	136	--	1800
Saddle	1-19	60	332	452	2-7	2800	115	313	428	158	--	1500
Plow	1/0-7	60	368	488	1/0-7	4460	129	419	547	182	--	1200
Sherland	1/0-19	60	373	493	1/0-7	4460	130	419	549	182	--	1200
Dapple-grey	2/0-7	60	414	534	2/0-7	5390	146	528	675	210	--	1500
Thoroughbred	2/0-19	60	419	539	2/0-7	5390	148	528	677	210	--	1500
Dobbin	3/0-7	60	464	584	3/0-7	6790	167	666	832	242	--	1300
Trotter	3/0-19	60	470	590	3/0-7	6790	169	666	835	242	--	1300
Pony	4/0-7	60	522	642	4/0-7	8560	192	840	1031	279	--	1100
Walking	4/0-19	60	528	648	4/0-7	8560	194	840	1034	279	--	1100

\* 40°C ambient, 90°C conductor temperature; sun and wind.  
The above data are approximate and subject to normal manufacturing tolerances.



# Quadruplex Service Drop

## Aluminum Quadruplex Service Drop Cable

Code Word	Phase Conductors				Bare Neutral		Nominal Weight			Ampacity*	Standard Package	
	Size & Number of wires	Insulation Thickness	Nominal Diameter		Size & Number of Wires	Rated Strength	lbs / 1000'				Coils	Reels
			Bare	OD			XLPE	Aluminum	Total			
	mils	mils	mils		lbs			Amps	ft	ft		
ACSR												
Morochuca	6-Solid	45	162	252	6-6/1	1190	42	100	154	78	500	2500
Chola	6-7	45	184	274	6-6/1	1190	48	100	159	78	500	2500
Morgan	4-Solid	45	204	294	4-6/1	1860	53	160	231	103	500	1700
Hackney	4-7	45	232	322	4-6/1	1860	60	160	239	103	500	1700
Palomino	2-7	45	292	382	2-6/1	2850	77	253	374	136	--	1800
Albino	1-19	60	332	452	1-6/1	3550	115	318	470	158	--	1200
Standardbred	1/0-7	60	368	488	1/0-6/1	4380	129	402	577	182	--	1200
Costena	1/0-19	60	373	493	1/0-6/1	4380	130	402	579	182	--	1200
Chicoteagues	2/0-7	60	414	534	2/0-6/1	5300	146	506	712	210	--	1500
Grullo	2/0-19	60	419	539	2/0-6/1	5300	148	506	714	210	--	1500
Mare	3/0-7	60	464	584	3/0-6/1	6620	167	639	879	242	--	1300
Suffolk	3/0-19	60	470	590	3/0-6/1	6620	169	639	882	242	--	1300
Stallion	4/0-7	60	522	642	4/0-6/1	8350	192	805	1090	279	--	1100
Appaloosa	4/0-19	60	528	648	4/0-6/1	8350	194	805	1093	279	--	1100
Bronco	336.4-19	80	665	825	336.4-19/1	8670	281	1269	1600	355	--	500

\* 40°C ambient, 90°C conductor temperature; sun and wind.  
The above data are approximate and subject to normal manufacturing tolerances.



# Quadruplex Service Drop

## Aluminum Quadruplex Service Drop Cable

Code Word	Phase Conductors				Bare Neutral		Nominal Weight			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			Amps	m	m			
AAC												
Quarter	6-Solid	1.143	4.115	6.401	6-7	255.371	63	149	211	78	152.4	762.0
Clydesdale	4-Solid	1.143	5.182	7.468	4-7	399.613	79	237	315	103	152.4	518.2
Pinto	4-7	1.143	5.893	8.179	4-7	399.613	89	237	326	136	152.4	518.2
Mustang	2-7	1.143	7.417	9.703	2-7	612.347	115	377	491	158	--	548.6
Shire	1-19	1.524	8.433	11.481	1-19	743.888	171	475	646	158	--	457.2
Libyan	1/0-7	1.524	9.347	12.395	1/0-7	902.644	192	598	790	182	--	365.8
Criollo	1/0-19	1.524	9.474	12.522	1/0-19	902.644	193	598	793	182	--	365.8
Orloff	2/0-7	1.524	10.516	13.564	2/0-7	1138.511	217	754	973	210	--	457.2
Percheron	2/0-19	1.524	10.643	13.691	2/0-19	1138.511	220	754	976	210	--	457.2
Mongolian	3/0-7	1.524	11.786	14.834	3/0-7	1378.914	249	951	1199	242	--	396.2
Hanoverian	3/0-19	1.524	11.938	14.986	3/0-19	1378.914	251	951	1204	242	--	396.2
Singlefoot	4/0-7	1.524	13.259	16.307	4/0-7	1737.250	286	1199	1485	279	--	335.3
oldenburg	4/0-19	1.524	13.411	16.459	4/0-19	1737.250	289	1199	1490	279	--	335.3

\* 40°C ambient, 90°C conductor temperature; sun and wind.  
The above data are approximate and subject to normal manufacturing tolerances.



# Quadruplex Service Drop

## Aluminum Quadruplex Service Drop Cable

Code Word	Phase Conductors				Bare Neutral		Nominal Weight			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			Amps	m	m			
AAAC												
Bay	6-Solid	1.143	4.115	6.401	6-7	503.485	63	155	217	78	152.4	762.0
French-conch	6-7	1.143	4.674	6.960	6-7	503.485	71	155	226	78	152.4	762.0
German-conch	4-Solid	1.143	5.182	7.468	4-7	798.318	79	247	324	103	152.4	518.2
Arabian	4-7	1.143	5.893	8.179	4-7	784.711	89	247	336	103	152.4	518.2
Belgian	2-7	1.143	7.417	9.703	2-7	1270.052	115	391	506	136	--	548.6
Saddle	1-19	1.524	8.433	11.481	2-7	1270.052	171	466	637	158	--	457.2
Plow	1/0-7	1.524	9.347	12.395	1/0-7	2023.011	192	624	814	182	--	365.8
Sherland	1/0-19	1.524	9.474	12.522	1/0-7	2023.011	193	624	817	182	--	365.8
Dapple-grey	2/0-7	1.524	10.516	13.564	2/0-7	2444.850	217	786	1005	210	--	457.2
Thoroughbred	2/0-19	1.524	10.643	13.691	2/0-7	2444.850	220	786	1007	210	--	457.2
Dobbin	3/0-7	1.524	11.786	14.834	3/0-7	3079.876	249	991	1238	242	--	396.2
Trotter	3/0-19	1.524	11.938	14.986	3/0-7	3079.876	251	991	1243	242	--	396.2
Pony	4/0-7	1.524	13.259	16.307	4/0-7	3882.730	286	1250	1534	279	--	335.3
Walking	4/0-19	1.524	13.411	16.459	4/0-7	3882.730	289	1250	1539	279	--	335.3

\* 40°C ambient, 90°C conductor temperature; sun and wind.  
The above data are approximate and subject to normal manufacturing tolerances.



# Quadruplex Service Drop

## Aluminum Quadruplex Service Drop Cable

Code Word	Phase Conductors				Bare Neutral		Nominal Weight			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	Amps	m	m					
ACSR												
Morochuca	6-Solid	1.143	4.115	6.401	6-6/1	539.772	63	149	229	78	152.4	762.0
Chola	6-7	1.143	4.674	6.960	6-6/1	539.772	71	149	237	78	152.4	762.0
Morgan	4-Solid	1.143	5.182	7.468	4-6/1	843.677	79	238	344	103	152.4	518.2
Hackney	4-7	1.143	5.893	8.179	4-6/1	843.677	90	238	356	103	152.4	518.2
Palomino	2-7	1.143	7.417	9.703	2-6/1	1292.732	115	377	557	136	--	548.6
Albino	1-19	1.524	8.433	11.481	1-6/1	1610.245	171	473	699	158	--	365.8
Standardbred	1/0-7	1.524	9.347	12.395	1/0-6/1	1986.724	192	598	859	182	--	365.8
Costena	1/0-19	1.524	9.474	12.522	1/0-6/1	1986.724	193	598	862	182	--	365.8
Chicoteagues	2/0-7	1.524	10.516	13.564	2/0-6/1	2404.027	217	753	1060	210	--	457.2
Grullo	2/0-19	1.524	10.643	13.691	2/0-6/1	2404.027	220	753	1063	210	--	457.2
Mare	3/0-7	1.524	11.786	14.834	3/0-6/1	3002.766	249	951	1308	242	--	396.2
Suffolk	3/0-19	1.524	11.938	14.986	3/0-6/1	3002.766	251	951	1313	242	--	396.2
Stallion	4/0-7	1.524	13.259	16.307	4/0-6/1	3787.477	286	1198	1622	279	--	335.3
Appaloosa	4/0-19	1.524	13.411	16.459	4/0-6/1	3787.477	289	1198	1627	279	--	335.3

\* 40°C ambient, 90°C conductor temperature; sun and wind.  
The above data are approximate and subject to normal manufacturing tolerances.