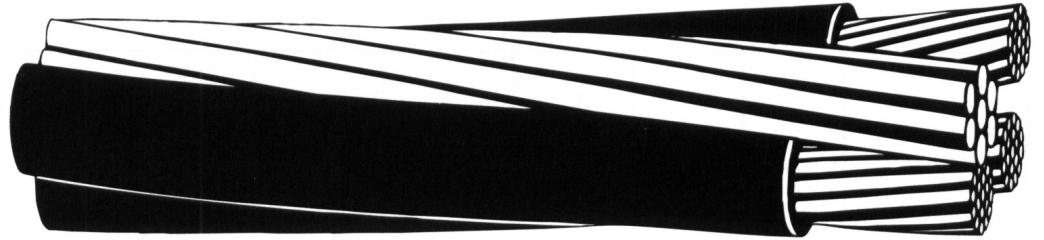


# Quadruplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



## APPLICATIONS

Used 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 phase-to-phase or less and at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

## SPECIFICATIONS

Southwire's quadruplex service drop cable meets or exceeds the following ASTM 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-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Southwire's quadruplex service drop cable meets or exceeds all applicable requirements of ICEA S-76-474 .

## CONSTRUCTION

Conductors are concentrically stranded, compressed 1350-H19 aluminum. Insulated with either polyethylene or crosslinked polyethylene (XLP). Neutral messengers are concentrically stranded 6201, AAC, or ACSR. Conductors are manufactured with ridges for phase identification (one conductor one ridge, one conductor two ridges, one conductor plain.)

# Quadruplex Service Drop

Code* Word	Phase Conductor			Bare Neutral Messenger				Weight Per 1000 ft.(lbs.)		Allowable Ampacities+	
	Size (AWG or kcmil)	Strand- ing	Insul. Thick. (mils)	Equiv. Dia. (AWG)++	Size++ (kcmil)	Strand- ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY
<b>6201 ALLOY NEUTRAL-MESSENGER</b>											
Bay	6	1	45	6	30.58	7	1110	137	137	75	60
French Coach	6	7	45	6	30.58	7	1110	146	146	75	60
German Coach	4	1	45	4	48.69	7	1760	205	205	100	80
Arabian	4	7	45	4	48.69	7	1760	217	217	100	80
Belgian	2	7	45	2	77.47	7	2800	328	328	135	105
Shetland	1/0	9	60	1/0	123.3	7	4460	519	519	180	140
Thoroughbred	2/0	11	60	2/0	155.4	7	5390	639	639	205	160
Trotter	3/0	17	60	3/0	195.7	7	6790	789	789	235	185
Walking	4/0	18	60	4/0	246.9	7	8560	977	977	275	210
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Bay/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun. ++Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.											

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+		
	Size (AWG or kcmil)	Strand- ing	Insul. Thick. (mils)	Size (AWG or kcmil)	Strand- ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY	
<b>AAC NEUTRAL-MESSENGER</b>											
Clydesdale	4	1	45	4	7	881	198	198	100	80	
Pinto	4	7	45	4	7	881	211	211	100	80	
Mustang	2	7	45	2	7	1350	318	318	135	105	
Criollo	1/0	9	60	1/0	7	1990	503	503	180	140	
Percheron	2/0	11	60	2/0	7	2510	619	619	205	160	
Hanovarian	3/0	17	60	3/0	19	3310	764	764	235	185	
Oldenburg	4/0	18	60	4/0	19	4020	945	945	275	210	
Lippizaner	336.4	19	80	336.4	19	6146	1519	1519	370	280	
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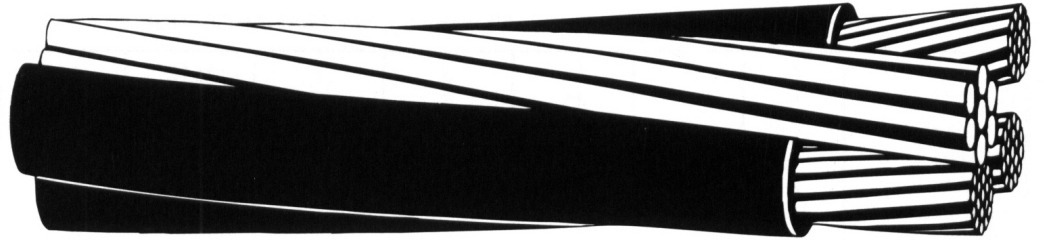
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ACSR NEUTRAL-MESSENGER										
Morochuca	6	1	45	6	6/1	1190	145	145	75	60
Chola	6	7	45	6	6/1	1190	153	153	75	60
Morgan	4	1	45	4	6/1	1860	217	217	100	80
Hackney	4	7	45	4	6/1	1860	229	229	100	80
Palomino	2	7	45	2	6/1	2850	347	347	135	105
Costena	1/0	9	60	1/0	6/1	4380	549	549	180	140
Grullo	2/0	11	60	2/0	6/1	5310	677	677	205	160
Suffolk	3/0	17	60	3/0	6/1	6620	837	837	235	185
Appaloosa	4/0	18	60	4/0	6/1	8350	1038	1038	275	210
Gelding	336.4	19	80	4/0	6/1	8350	1494	1494	370	280
Bronco	336.4	19	80	336.4	18/1	8680	1568	1568	370	280

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