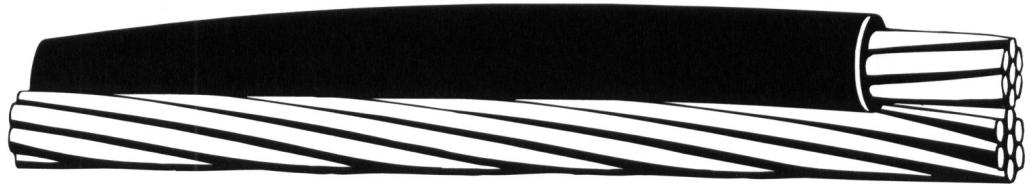


# Duplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



## APPLICATIONS

Primarily used for 120 volt overhead service applications such as street lighting, outdoor lighting, and temporary service for construction. 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 duplex 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 duplex service drop cable meets or exceeds all applicable requirements of ANSI/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.

# Duplex Service Drop

Code Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft. (lbs.)		Allowable Ampacities+		
	Size (AWG)	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>											
Chihuahua	6	1	45	6	30.58	7	1110	65	65	85	70
Vizsla	6	7	45	6	30.58	7	1110	68	68	85	70
Harrier	4	1	45	4	48.69	7	1760	99	99	115	90
Whippet	4	7	45	4	48.69	7	1760	103	103	115	90
Schnauzer	2	7	45	2	77.47	7	2800	157	157	150	120
Heeler	1/0	9	60	1/0	123.3	7	4460	250	250	205	160

\* Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Chihuahua/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)	Strand-ing	Insul. Thick. (mils)	Size (AWG)	Strand-ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
<b>AAC NEUTRAL-MESSENGER</b>										
Pekingese	6	1	45	6	7	563	61	61	85	70
Collie	6	7	45	6	7	563	64	64	85	70
Dachshund	4	1	45	4	7	881	92	92	115	90
Spaniel	4	7	45	4	7	881	96	96	115	90
Doberman	2	7	45	2	7	1350	147	147	150	120
Malemute	1/0	9	60	1/0	7	1990	234	234	205	160

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	Size (AWG)	Strand- ing	Insul. Thick. (mils)	Size (AWG)	Strand- ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
<b>ACSR NEUTRAL-MESSENGER</b>										
Setter	6	1	45	6	6/1	1190	72	72	85	70
Shepherd	6	7	45	6	6/1	1190	75	75	85	70
Eskimo	4	1	45	4	6/1	1860	110	110	115	90
Terrier	4	7	45	4	6/1	1860	115	115	115	90
Chow	2	7	45	2	6/1	2850	176	176	150	120
Bull	1/0	9	60	1/0	6/1	4380	280	280	205	160

\* Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Chihuahua/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.