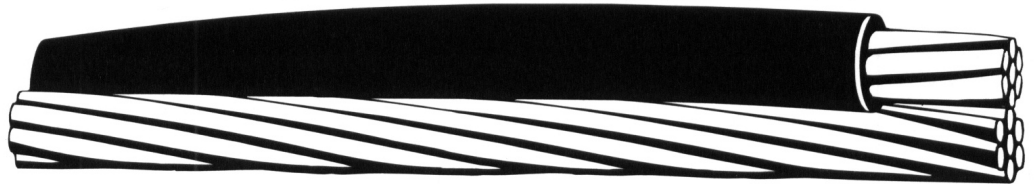


Duplex Service Drop

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
6201 ALLOY NEUTRAL-MESSENGER											
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
AAC NEUTRAL-MESSENGER										
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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Duplex Service Drop

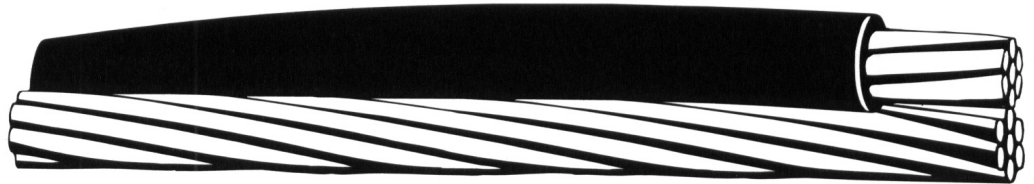
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ACSR NEUTRAL-MESSENGER										
Setter	6	1	45	6	6/1	1190	72	72	85	70
Shepherd	6	7	45	6	6/1	1190	75	75	85	70
Eskimo	4	1	45	4	6/1	1860	110	110	115	90
Terrier	4	7	45	4	6/1	1860	115	115	115	90
Chow	2	7	45	2	6/1	2850	176	176	150	120
Bull	1/0	9	60	1/0	6/1	4380	280	280	205	160

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