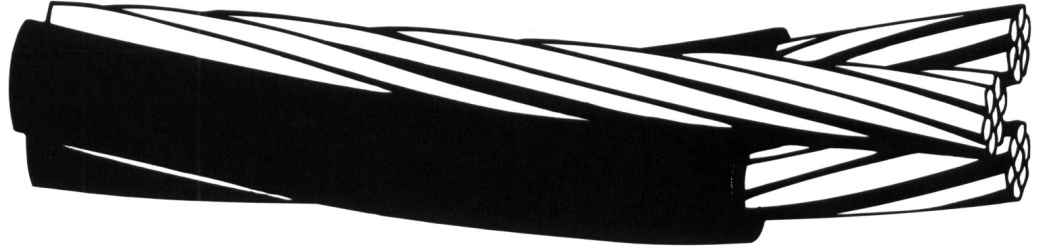


# Triplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



## APPLICATIONS

Used to supply 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 triplex 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 Stranded 6201-T81 Aluminum Alloy Conductors.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Southwire's triplex 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.

# Triplex 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>											
Minex	6	1	45	6	30.58	7	1110	101	101	85	70
Hippa	6	7	45	6	30.58	7	1110	107	107	85	70
Prawn	4	1	45	4	48.69	7	1760	152	152	115	90
Barnacle	4	7	45	4	48.69	7	1760	160	160	115	90
Shrimp	2	7	45	2	77.47	7	2800	243	243	150	120
Gammarus	1/0	7	60	1/0	123.3	7	4460	390	390	205	160
Leda	1/0	9	60	1/0	123.3	7	4460	384	384	205	160
Dungenese	2/0	7	60	2/0	155.4	7	5390	483	483	235	185
Cyclops	2/0	11	60	2/0	155.4	7	5390	474	474	235	185
Flustra	3/0	17	60	3/0	195.7	7	6790	587	587	275	215
Lepas	4/0	18	60	4/0	246.9	7	8560	728	728	315	245

\*Code words for XLP insulated products are formed by adding "XLP" to the conventional code words above (e.g.-Haiotis/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)	Equiv. Dia. (AWG)++	Size (kcmil)	Strand- ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
<b>6201 ALLOY REDUCED NEUTRAL-MESSENGER</b>											
Artemia	4	1	45	6	30.58	7	1110	135	135	115	90
Crab	4	7	45	6	30.58	7	1110	143	143	115	90
Solaster	2	7	45	4	48.69	7	1760	216	216	150	120
Sandcrab	1/0	7	60	2	77.47	7	2800	347	347	205	160
Echinus	1/0	9	60	2	77.47	7	2800	341	341	205	160
Fulgar	3/0	17	60	1/0	123.3	7	4460	519	519	275	215
Arca	4/0	18	60	2/0	155.4	7	5390	643	643	315	245

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 +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.

# Triplex 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)	Size (AWG or kcmil)	Strand- ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
<b>AAC NEUTRAL-MESSENGER</b>										
Patella	6	7	45	6	7	563	103	103	85	70
Oyster	4	7	45	4	7	881	154	154	115	90
Clam	2	7	45	2	7	1350	233	233	150	120
Murex	1/0	7	60	1/0	7	1990	374	374	205	160
Purpura	1/0	9	60	1/0	7	1990	368	368	205	160
Nassa	2/0	7	60	2/0	7	2510	462	462	235	185
Melita	3/0	17	60	3/0	19	3310	562	562	275	215
Portunus	4/0	18	60	4/0	19	4020	696	696	315	245
Nannynose	336.4	19	80	336.4	19	6146	1118	1118	420	325

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

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>ACSR NEUTRAL-MESSENGER</b>										
Paludina	6	1	45	6	6/1	1190	109	109	85	70
Voluta	6	7	45	6	6/1	1190	114	114	85	70
Whelk	4	1	45	4	6/1	1860	--	164	115	90
Periwinkle	4	7	45	4	6/1	1860	172	172	115	90
Conch	2	7	45	2	6/1	2850	262	262	150	120
Neritina	1/0	7	60	1/0	6/1	4380	420	420	205	160
Cenia	1/0	9	60	1/0	6/1	4380	414	414	205	160
Runcina	2/0	7	60	2/0	6/1	5310	520	520	235	185
Triton	2/0	11	60	2/0	6/1	5310	512	512	235	185
Mursia	3/0	17	60	3/0	6/1	6620	635	635	275	215
Zuzara	4/0	18	60	4/0	6/1	8350	789	789	315	245
Limpet	336.4	19	80	336.4	18/1	8680	1167	1167	420	325

\*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP).  
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# Triplex Service Drop

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>ACSR REDUCED NEUTRAL-MESSENGER</b>										
Scallop	4	1	45	6	6/1	1190	--	142	115	90
Strombus	4	7	45	6	6/1	1190	151	151	115	90
Cockle	2	7	45	4	6/1	1860	228	228	150	120
Janthina	1/0	7	60	2	6/1	2853	366	366	205	160
Ranella	1/0	9	60	2	6/1	2853	360	360	205	160
Cavolinia	2/0	7	60	1	6/1	3550	453	453	235	185
Clio	2/0	11	60	1	6/1	3550	444	444	235	185
Aega	3/0	17	60	1/0	6/1	4380	549	549	275	215
Cerapus	4/0	18	60	2/0	6/1	5310	681	681	315	245
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/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.										