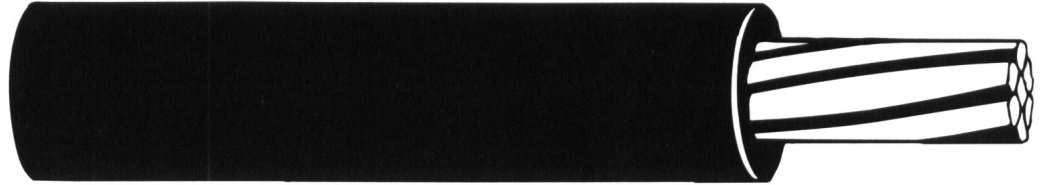


# Covered Line Wire

Aluminum Conductor. Polyethylene or Crosslinked Polyethylene Covering.



## APPLICATIONS

Used primarily for, but not limited to, overhead secondary distribution lines. Installed on insulators, otherwise treated as a bare conductor.

## SPECIFICATIONS

Southwire's covered line wire 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.

Southwire's covered line conductors meet all applicable requirements of ANSI/ICEA S-70-547.

## CONSTRUCTION

Aluminum alloy 1350-H19, 6201, or ACSR conductors, concentrically stranded. Covered with polyethylene or crosslinked polyethylene (XLP).

# Covered Line Wire

Code Word	Equiv Dia (AWG)*	Size (kcmil)	Strand-ing	Cover Thickness (mils)	Total Diameter (mils)	Rated Strength (lbs.)	Weight Per 1000 ft. (lbs.)			Allowable Ampacity+
							XLP	Conv. Poly	HD Poly	
<b>6201 ALUMINUM Alloy</b>										
Hornbeam	4	48.69	7	30	310	1360	60	60	--	145
Linden	2	77.47	7	45	406	2160	99	99	--	190
Oilnut	1/0	123.3	7	60	518	3440	159	159	--	250
Waterash	2/0	155.4	7	60	567	4160	195	195	--	290
Shellbark	3/0	195.7	7	60	622	5240	240	240	--	335
Planetree	4/0	246.9	7	60	683	6610	297	297	--	385

\*Diameter equivalent to ACSR construction or 1350 aluminum equivalent.  
 +Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation - sea level.  
 Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering - 375°C M /Watt-CM.  
 Wind speed 2 ft./sec. in sun.

Code Word	Size (AWG or kcmil)	Strand-ing	Cover Thickness (mils)	Total Diameter (mils)	Rated Strength (lbs.)	Weight Per 1000 ft. (lbs.)			Allowable Ampacity+	
						XLP	Conv. Poly	HD Poly		
<b>ALL- ALUMINUM</b>										
Apple	6	1	30	222	445	31	31	--	105	
Plum	6	7	30	238	510	56	34	--	105	
Pear	4	1	30	264	710	47	47	--	135	
Apricot	4	7	30	285	790	51	51	--	140	
Cherry	2	1	45	348	1100	78	78	--	180	
Peach	2	7	45	373	1220	84	84	85	180	
Nectarine	1	7	45	408	1470	104	104	--	210	
Quince	1/0	7	60	477	1790	136	136	--	240	
Orange	2/0	7	60	522	2260	167	167	--	280	
Fig	3/0	7	60	570	2740	205	205	--	320	
Olive	4/0	7	60	626	3450	253	253	--	370	
Pomegranate	4/0	19	60	632	3620	247	247	--	370	
Mulberry	266.8	19	60	694	4470	305	305	--	430	
Annona	336.4	19	60	765	5540	377	377	--	495	
Molles	397.5	19	80	861	6400	462	462	--	545	
Huckleberry	477	37	80	931	7820	538	538	--	610	
Paw Paw	556.5	37	80	992	8950	619	619	--	670	
Breadfruit	636.0	61	95	1081	10500	715	715	--	720	
Persimmon	795	61	95	1186	12900	877	877	881	825	
Grapefruit	1033.5	61	95	1326	16500	--	1118	--	970	

+Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation - sea level.  
 Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering - 375°C M /Watt-CM.  
 Wind speed 2 ft./sec. in sun.

# Covered Line Wire

Code Word	Size (AWG or kcmil)	Stranding	Cover Thickness (mils)	Total Diameter (mils)	Rated Strength (lbs.)	Weight Per 1000 ft. (lbs.)			Allowable Ampacity+
						XLP	Conv. Poly	HD Poly	
<b>ACSR</b>									
Walnut	6	6/1	30	258	1130	47	47	47	105
Butternut	4	6/1	30	310	1770	72	72	72	135
Hickory	4	7/1	30	317	2240	83	83	84	135
Pignut	2	6/1	45	406	2710	118	118	119	180
Beech	2	7/1	45	415	3460	136	136	137	180
Chestnut	1	6/1	45	444	3370	145	145	--	210
Almond	1/0	6/1	60	518	4160	190	190	191	235
Pecan	2/0	6/1	60	567	5040	233	233	235	270
Filbert	3/0	6/1	60	622	6290	288	288	290	305
Buckeye	4/0	6/1	60	683	7930	357	357	359	345
Hackberry	266.8	18/1	60	729	6540	354	354	--	435

+Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation - sea level.  
 Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering - 375°C M /Watt-CM.  
 Wind speed 2 ft./sec. in sun.