



Covered Line Wire Aluminum Conductor

APPLICATION: Used primarily for overhead secondary distribution lines. Not an electrically insulated conductor and is treated as bare conductor when installed.

CONSTRUCTION: Aluminum alloy 1350-H19, 6201-T81, or ACSR conductors, concentrically stranded and covered for protection against circuit interruption due to weather with polyethylene, high density polyethylene (HDPE) or cross-linked polyethylene (XLP).

SPECIFICATIONS: 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

Code Word	Size	Stranding (Alu/Steel)	Insulation Thickness	Outside Diameter	Rated Strength	Weight		Ampacity*
	AWG/kcmil		Inches	Inches	lbs	XLP	POLY	75°C
						lbs/kft	lbs/kft	amps
ACSR Conductors								
Walnut	6	6/1	0.030	0.26	1,131	49	47	105
Butternut	4	6/1	0.030	0.30	1,760	72	70	135
Hickory	4	7/1	0.030	0.31	2,240	82	80	135
Pignut	2	6/1	0.045	0.40	2,710	118	115	180
Beech	2	7/1	0.045	0.41	3,460	134	131	180
Chestnut	1	6/1	0.045	0.43	3,370	146	142	210
Almond	1/0	6/1	0.060	0.51	4,160	190	185	235
Pecan	2/0	6/1	0.060	0.55	5,040	234	228	270
Filbert	3/0	6/1	0.060	0.61	6,290	289	281	305
Buckeye	4/0	6/1	0.060	0.67	7,930	366	349	345
Hackberry	266.8	18/1	0.060	0.71	6,540	355	347	435
AAC Conductors								
Apple	6	Solid	0.030	0.22	445	33	32	105

Covered Line

Wire Aluminum Conductor





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CABLES

Code Word	Size	Stranding (Alu/Steel)	Insulation Thickness	Outside Diameter	Rated Strength	Weight		Ampacity*
						XLP	POLY	75°C
	AWG/kcmil		Inches	Inches	lbs	lbs/kft	lbs/kft	amps
Pear	4	Solid	0.030	0.26	675	49	47	135
Apricot	4	7	0.030	0.29	790	52	51	140
Peach	2	7	0.045	0.37	1,220	87	84	180
Quince	1/0	7	0.060	0.48	1,790	141	136	240
Orange	2/0	7	0.060	0.52	2,260	172	166	280
Fig	3/0	7	0.060	0.57	2,740	211	204	320
Olive	4/0	7	0.060	0.63	3,450	259	251	370
Mulberry	266.8	19	0.060	0.69	4,470	314	306	430
Anona	336.4	19	0.060	0.77	5,535	388	379	495
Huckleberry	477	37	0.080	0.93	7,820	550	538	610
Paw Paw	556.5	37	0.080	0.99	8,950	633	619	670

All values are nominal and subject to correction

NOTE: The code words as given apply to conventional high density polyethylene covered ACSR & AAC line wires. Line wire with AAAC 6201-T81 conductor available upon request.

*Ampacity ratings are based on 75°C conductor temperature 25°C ambient temperature at sea level, emissivity 0.91, coefficient of absorption 0.95, thermal

resistivity of covering -375°C-Cm²/watt-CM, wind speed 2ft./sec in sun.

